



Ebb Tide

Vol. 14, Issue 7 The Newsletter of WSU Snohomish County Extension Beach Watchers Sept. 2019

<i>Index</i>	
Beach Watchers' News	Page 1
Feature Articles	Page 2
Educational Opportunities	Page 4
Volunteer Opportunities	Page 6
Working Team Leads	Page 7
Wish List	Page 8
Staff Notes	Page 9
Beach Watchers Members Section	Page 9
Beach Watchers' Calendar	Page 10



The James Lea Foundation

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

Beach Watchers' News

Monthly Beach Watchers' Breakfast
2nd Wednesdays each month at 9:00 am - 10:30 am

Glacier Lanes, 9630 Evergreen Way, Everett, phone # 425-353-8292.
And it is also a bowling alley, for your post-breakfast pleasure!

Upcoming breakfasts will be held: October 9 and November 13

Ebb Tide Has a New Editor

We thank Laura McCarty (Class of 2019) for volunteering to take over the editorship of the Ebb Tide. She with support from Lisa Conley will begin by publishing the October 2019 issue. We anticipate a modernization of the newsletter format as we begin using the Mail Chimp program. Please welcome Laura McCarty in her new role.

During this period of transition, team leaders can feel free to use the Beach Watchers' list server (sno beachwatchers@lists.cahnrs.wsu.edu) as a supplement to announce events. The Ebb Tide will continue to solicit and publish feature articles and photos by Beach Watchers,

Beach Naturalists and community partners as well as provide links to interesting news items and educational events.

Farewell from Chuck LoPresti

It's been a pleasure serving the Beach Watchers' Community as Editor of the Ebb Tide these four and a half years. How time flies when one is having fun on and off the beach. Please accept my best wishes to all the Beach Watchers and Beach Naturalists. I will remain active but in a different capacity, doing different things, and occasionally contributing feature articles.

Dog Shelter Outreach

Piggy backing off the success of our Vet Clinic Outreach program and with funding from James Lea Foundation, we have reached out to local shelters. Our goal to reach new dog owners and educate them about the hazards of pet waste. Snohomish County has over 170,000 dogs that generate 63 tons of poop each day. (Yes, you read that number right.) Our message: "Scoop It! Bag It! Put it in the trash!"

Judy Ness has agreed to be our Adoption Center Pet Outreach Team Leader. The Noah Center signed on as our first shelter in the program. We will be delivering "Scoop Kits" to them beginning in October. (Thank you work party volunteers who will be putting the kits together on September 18th.)

Susan Clark, Chrys and Lisa also met with Homeward Pet Adoption Center in Woodinville. As a result we will be supporting them for Adopt a Shelter Dog Month. Andrea Massoni will drop off Scoop the Poop kits for them to hand out to dog adopters throughout October, (She volunteers there in addition to her Beach Watchers volunteering.) We also will have a table at Homeward Pet Center's Open House on October 5th.

Feature Article

The Marine Riparian Zone, Part 3: Making Things Better

By Sara Noland, Class of 2018

Note: This is the third and final part of a mini-series for Beach Watchers about the marine riparian zone along Puget Sound. The state of marine riparian areas affects the health of both intertidal communities and creatures that rely on them, from salmon to orcas.

More than a century ago, loggers saw their fortunes in the dense shoreline forests along Puget Sound. The sawmills, towns, cities, roads, docks, seawalls, and all the other developments that followed have radically changed much of the Puget Sound marine riparian zone, that transitional area between marine shorelines and upland areas.

A healthy marine riparian zone is one piece of the puzzle that is a healthy Puget Sound. As mentioned in the first part of this series, the functions of a healthy marine riparian zone include stabilizing slopes, protecting soil from erosion, providing wildlife habitat, protecting water quality, adding nutrients and fish prey such as insects, providing a source of large wood, and creating shade for the upper beach.

Today we're living with not only the legacy of past decisions about how to use the shoreline, but the increasing pressure of more people wanting to live near salt water. The creatures of Puget Sound are feeling that pressure, too, and sometimes it's hard for me to bear another piece of bad news about salmon, orcas, and the rest. Is there any reason for hope?

As the saying goes, the first step toward solving a problem is admitting you have one. Scientists, citizens, agencies, and organizations have been raising alarms about problems in Puget Sound for years. It seems to me that it's been in just the past decade or so that these issues have caught public attention on a wider scale. In 2007, the Washington State Legislature created the Puget Sound Partnership (RCW 90.71.210) to lead regional work toward meeting six recovery goals for the Sound. A series of vital signs and indicators, including the amount of shoreline armoring, are used to quantify progress. Right now, progress is mixed, with only 10 of 52 indicators getting better, but I find it hopeful that monitoring is being done and scientific information shared with the public in an understandable way.

Another hopeful sign is the amount of guidance that's readily available for property owners about more sustainable ways to take care of shoreline property. You might have heard the term "soft shoreline protection." It's a way to describe measures such as installing native vegetation to reduce shore erosion and protect property, rather than building hard structures such as walls or bulkheads (known as shoreline armoring). The Puget Sound Partnership found that the *removal* of shoreline armor appears to be increasing, while the number of permits for new armoring has slowed. Regulatory agencies have published recommendations for evaluating shoreline property and incorporating soft protection measures. Just some of the many available web pages are listed at the end of this article.

For myself, I feel hopeful about the future of the Sound and its shores when I'm outside doing something hands-on to help. Shoreline restoration projects run by volunteers are ongoing locally at places like Union Slough salt marsh and Edmonds marsh. You can also visit large-scale restoration work being done by agencies, such as at Howarth Park in Everett and Seahurst Park in Burien.

For More Information

- **Puget Sound Partnership:** <https://www.psp.wa.gov/>.
- **Snohomish County Marine Resource Committee:** <https://www.snocomrc.org/projects/>. Includes a link to the shoreline restoration project at Howarth Park.
- **Shore Stewards Guide for Shoreline Living:** <https://s3.wp.wsu.edu/uploads/sites/2065/2015/03/GuideforShorelineLiving-Final-2-27-151.pdf>. Created by Beach Watchers volunteers--lots of good information for property owners including a chapter on replacing bulkheads with natural solutions such as native plants and driftwood.
- **Reducing Erosion and Landslides:** <https://shorestewards.cw.wsu.edu/guidelines/guideline-5/>. A WSU Extension Shore Stewards web page with detailed information about managing drainage, using vegetation to prevent erosion, and other topics for shoreline property owners.
- **Your Marine Waterfront: A Guide to Protecting Your Property While Promoting Healthy Shorelines:** <https://wdfw.wa.gov/publications/01791>. Published by the Washington Department of Fish and Wildlife, provides sections on site assessments, design techniques, permitting, plant species, and examples of projects.

- **Protecting Your Property and Puget Sound:** <http://www.shorefriendly.org/>. Developed by the Washington Departments of Natural Resources and Fish and Wildlife. Reader-friendly information, graphics, and photos; links to resources in each county.
- **Preventing Puget Sound Shoreline Erosion:** <https://ecology.wa.gov/Water-Shorelines/Puget-Sound/Helping-Puget-Sound/Preventing-erosion>. This Washington Department of Ecology web page includes an interactive map of projects with alternatives to hard shoreline armoring.
- **EarthCorps:** <https://www.earthcorps.org/volunteer/>. Volunteer calendar where you can sign up for work parties at Union Slough and Edmonds marsh.

Educational Opportunities

Puget Sound Info is Live

The Puget Sound Partnership and partners are excited to launch [Puget Sound Info](#). Puget Sound Info is an online platform for sharing information and stories about Puget Sound recovery priorities, activities, investments, near-term results and progress toward Puget Sound recovery goals. As of June 2019, Puget Sound Info includes these four tools:

- a revitalized, interactive [Vital Sign website](#) used to report on the status of over 50 indicators and progress toward Vital Sign targets and Puget Sound recovery goals,
- the brand new [Action Agenda Tracker](#) designed to house all tracking and reporting on Action Agenda Regional Priorities, Near Term Action (NTA) status and accomplishments, and investments in recovery activities,
- a revitalized [National Estuary Program \(NEP\) Atlas](#) built to house a summary of Puget Sound NEP investments, and
- a common [Data Center](#) that provides access to detailed information about Activities, Progress Measures and Organizations that contribute data and reports

This is just the first phase. Please check for ongoing programs, and other Puget Sound recovery activities and accomplishments on its website. Thank you to everyone who has given time and talent to the Puget Sound Info development process! For more information about Puget Sound Info, please contact Kari Stiles, kari.stiles@psp.wa.gov

Salmon, Steelhead and Trout Celebration and Auction

Saturday, September 21, 4:00 pm -7:00 pm

Adopt-A-Stream Foundation and NW Stream Center

McCollum Park, 600 – 128th Street SE, Everett, WA 98208

Get information at www.streamkeeper.org/events or call 425-316-8592 to register.

**Celebration of National Estuary Week
with Stillwaters Environmental Center
September 14 – 21, 2019
26059 NE Barber Cut Off Rd, Kingston, WA 98346**

One highlight from the week: Saturday 9/21: Tour of the Carpenter Creek Watershed with field biologists. Tour includes beaver dams, Carpenter Lake, Estuary and more. Join by emailing info@stillwatersenvironmentalcenter.org. Space is limited. Or contact: Jennifer Donaldson at 360-297-1226, Stillwaters Environmental Center Office Hours: Tuesday, Wednesday, Thursday 9:30am - 2:30pm

**Community Water Monitoring Workshops
Classes at the University of Washington at Bothell**

Would you like to volunteer in monitoring the water quality of local creeks? This is an opportunity to learn about a creek of interest to you, and educate yourself and others about local water quality issues. Sno-King Water Watchers is a Community-Based Water Monitoring program working in King and Snohomish Counties. We will be offering the following classes:

Physical / Chemical Monitoring – October 5, 10:00 am – 4:00 pm

Water temperature, dissolved oxygen, and pH are all important variables for local salmonids and other creatures that live in our streams. Clear, clean water is important too. Learn to use a citizen science kit to monitor these important variables. Mix of classroom and field work.

Bacteriological Monitoring – October 12, 10:00 am – 4:00 pm

What are bacteria? Which ones are harmful? What are standards for E.Coli in Washington waters? Learn about simple, low-cost methods available to citizen scientists to evaluate their local waterbodies for bacteriological contamination. Mix of classroom and field work.

Details, Location, Registration: Either class may be taken as a stand-alone class, but if you would like to monitor with us it is recommended you take both classes. Classes will be conducted at the University of Washington Bothell. Exact location details will be e-mailed out closer to the class date. To register, e-mail Eric Adman snokingwatershedcouncil@gmail.com

The Sno-King Watershed Council is an all-volunteer, 501c3 non-profit organization. You can find more information on our website at <http://snokingwatershedcouncil.org/water-watchers/>. These classes are being offered in partnership with the Cascade Water Alliance – see <https://cascadewater.org/>)

**Tides, Currents, and Life
Sunday October 6, 2019, 2:00 pm – 3:30 pm
Everett Main Library Auditorium, 2702 Hoyt Ave., Everett 98201**

Jack Hartt unpacks the complex world of tides in the Salish Sea and beyond. He will look at the physical factors that create the tides and currents that are such a part of our lives on Whidbey Island, Port Gardner Bay, the Salish Sea, and the entire planet.

What does mixed semi-diurnal mean, anyway? What is the difference between a higher high tide and a lower high tide? Why are low tides at night in the winter and during the day in the summer? Why are beaches sandier in the summer and rockier in the winter? How does all this affect the behavior of salmon, seaweed, and nuclear power plants? And how does all this affect me when I visit the beach, paddle a kayak, take a ferry, or try to balance an egg?

Tides wait for no man, but that means they are predictable. How will the movement of water affect your property? How do we predict tides in a practical way? How does a storm change those predictions? Should we use the dependability and energy of tides for power generation? With visuals and discussions, we will be able to better understand these processes that create our tides, determine our coastline, and touch our lives.

Jack Hartt worked for Washington State Parks for forty years, fourteen at Deception Pass State Park, where he managed over fifteen miles of shoreline, including ten islands.

Our thanks to Laura McCarty for noticing this event in her travels around Puget Sound.

Volunteer Opportunities

Are you a Natural Leader? Please Step Forward!

We always have a few projects that need volunteer leadership! As a team leader you will work with staff to update the job description to meet your needs. Team leaders typically handle volunteer coordination (reminders, registration tracking, 'day of' staffing or finding an alternate), managing equipment and supplies, and being the main point of contact for staff. Currently open leadership positions are: Recreational Crabber Lead and Festivals Co-Lead.

Office Work Party Wednesday, September 18th, 10:00 am – 1:00 pm McCollum Park, Evergreen Room

Thanks to Beach Watchers who show up for the Office Work Parties, you are the best. Wednesday, September 18th we will put together Vet Clinic and Dog Shelter kits for distribution in October. We will also update the Beach Watchers' Brochures with the current contact information. You may bring snacks and Beach Watchers' stories to share while our hands are busy. Please contact Linda Lambert (class of 2015) to sign up or just show up.

Howarth Beach Clean Up

Tuesday, November 2 at 10:00 am



For Howarth Park: Beach Cleanup volunteers meet in the lower parking lot. 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]. Also, bring an old 5 gallon bucket if you have one, if not, we have plastic bags available. Plan on being on the beach about an hour. Also, be aware, there are no restroom facilities in the park. Contact: Dave Compton (Class of 2010) to sign up for beach cleanups.

Festivals: Bringing Puget Sound to Local Communities!

New Display – Plastics and Pet Waste – Oh My!

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.

We're updating our display to encourage people to refuse single use plastics and pick up pet waste. We'll still be using our trusty Watershed Model, engaging young and not so young alike! Shifts are typically 3 – 3.5 hours.



Sign up for the events below with Anne-ly Kahle (Class of 2017):

- Vibrant Living Fair – Northshore Senior Center, Bothell (9/27)
- Open House -- Homeward Pet Adoption Center, Woodinville (10/5)

Working Team Leads

Beach Cleanups: Dave Compton
BEACH Program: Tim Ellis
EBB TIDE Newsletter: Laura McCarty starting October
Edmonds Summer Naturalists: Nancy Engen
Facebook Communications: Monika Star

Festivals: Anne-Ly Kahle (**Looking for new co-lead 2020**)
Howarth Park Beach Wrack Surveys: Scott Calhoun
Intertidal Beach Monitoring: Paul Granquist
Kayak Point Beach Days: Sandy Evans
Kayak Point Youth Spring Field Trips: Susan Clark
Mission Beach Water Testing: Lynn Lichtenberg and Claudia Douglass
Monthly Breakfast: Bill McLaughlin
Mukilteo Lighthouse Park Kiosks: Taylor Studzinski
Mukilteo Lighthouse Park Naturalist Team: Tim Ellis and Linda Lambert
Office Work Parties: Linda Lambert
Online Calendar Notices: Carol Bradley
Pet Shelter Adoption Outreach: Judy Ness
Pre-School Library Readings: Claudia Douglass
Recreational Crabber Outreach: **New Project – Need Leader**
Social Committee: **DORMANT**
Veterinary Clinic Outreach: Tanya Randall (starts in November 2019)
Winter Naturalist Refresher Sessions: Dave Danley
Youth Classroom Presentations: Valerie Woodruff and Michael Boero

SEE ANY VACANT POSITIONS?

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 Watchers listed. If you are interested in any of these lead spots, please contact beachwatchers.info@wsu.edu

Wish List for Snohomish County Beach Watchers



Photo Evaluator. After 14 years, the Beach Watchers' program has accumulated a huge backlog of photos. We could use some help sorting through and organizing our photos to be used for newsletters, brochures and posters. If anyone is interested in spending a few hours in our office, please reach out to Lisa Conley.

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 Laura McCarty (Class of 2019), our new Ebb Tide editor for article guidelines and topic suggestions. Our thanks for the recent submissions of articles and photos from our Beach Watchers – they add a lot to the newsletter.

Staff Notes

Beach Watchers' Volunteers Rock

by Lisa Conley

It has been a great summer learning about Beach Watchers and watching our volunteers in action. My first experience was through the Recreational Crabber Education program.

Our volunteers showcased the Doomed to be Derelict crab pot and gave away cool free stuff to educate the public about responsible crabbing. Volunteers reached over 1,200 crabbers and families at boat launches and piers on opening day, and at local festivals, fairs and markets.

This education is proven to reduce the amount of lost crab pots in the Sound (12,000 pots are lost) Adding to this great work, our beach clean-up crews helped clear lost crab pots from local beaches. (Along with 1,000 pounds of other trash.)



Derelict crab pots salvaged by a landowner and reported during the Mission Beach Clean Up

It is exactly this kind of team work and mutual support that I have admired as I learn more about this fabulous organization and all its wonderful volunteers. We will definitely need to rely on each other as we continue to move the Beach Watcher program forward into its next phase. Keep up the terrific work—You Beach Watchers volunteers rock!

Beach Watchers' Member Section

	Beach Watchers' Breakfast!	Beach Watchers on Facebook Like Us!	Beach Watchers' Web Volunteer Tools	Ebb Tide Newsletter
When Is It?	9 am Monthly, 2 nd Wednesday	ANY TIME!	24 Hours a Day Every Day!	Submit an article, photo or event by the last day of the month. Don't be shy!
How Can I Find It?	Glacier Lanes, 9630 Evergreen Way, Everett	www.facebook.com/snohomishbeachwatchers	http://extension.wsu.edu/snohomish/naturalresources/beachwatchers/volunteer-tools/	Arrives to your email almost every month!
Why Should I Care?	Great conversations with other Beach Watchers!	Great way to Share Information.	Report volunteer hours, peruse the calendar, find interesting links, and more!	Stay informed with articles, photos, calendars, etc., Contact the Ebb Tide editor for information.

Beach Watchers' Calendar

Date	Type	Event	Location/Time
Sept 18	Social	Work Party	McCollum Park Evergreen Room 10:00 am – 1:00 pm
Sept 27	Education	Vibrant Living Fair	Northshore Senior Center, Bothell 10:00 am – 1:00 pm
Oct. 5	Education	Open House	Homeward Pet Adoption Center, 12:00 pm – 3:00 pm
Oct. 9	Social	Monthly Breakfast	Glacier Lanes, Everett 9:00 am
Oct. 18	Meeting	Team Leader Briefing	McCollum Park Evergreen Room 11:00 am – 1:00 pm
Nov. 2	Stewardship	Howarth Cleanup	Howarth Park Beach 10:00 am
Nov. 13	Social	Monthly Breakfast	Glacier Lanes, Everett 9:00 am
Nov. 14	Meeting	Regular Bi-Monthly Meeting, Presentation TBD	McCollum Park Evergreen Room 10:00 am – 1:00 pm

WSU Snohomish County Extension Beach Watchers is a program of Washington State University Extension. All Extension programs are consistent with federal and state laws and regulation on nondiscrimination regarding race, color, gender, national origin, religion, age, disability and sexual orientation. Evidence of noncompliance may be reported through your local Extension office.

The photographs and images shown in the Ebb Tide are either courtesy of the authors, accessed through the Creative Commons, or public domain.