



Cheryl Lovato Niles
Water Resources Educator



WASHINGTON STATE UNIVERSITY
EXTENSION



WSU Whatcom County Extension

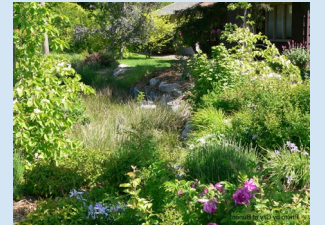
4-H

Community Horticulture

Commercial Agriculture

Family & Community Health

Natural Resources



Drought Contingency Planning & Preparedness

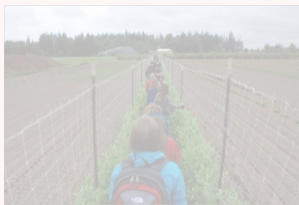


WSU Whatcom County Extension

4-H



Community Horticulture



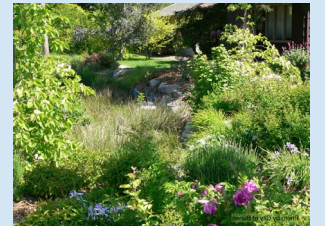
Commercial Agriculture



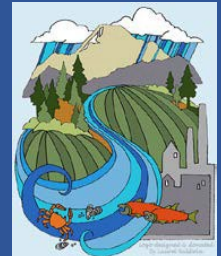
Family & Community Health



Natural Resources



Drought Contingency Planning & Preparedness



WSU Whatcom County Extension

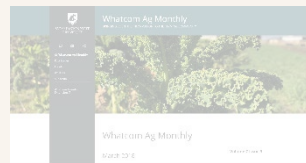
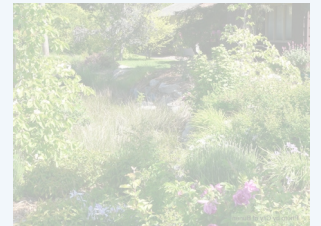
4-H

Community Horticulture

Commercial Agriculture

Family & Community Health

Natural Resources



Drought Contingency Planning & Preparedness





GOT WASTE?

WSU Master Composter • Recycler Training





WHATCOM COUNTY

Recipe for Regeneration:
COMPOST

International Compost
Awareness Week
May 1 - 7, 2022

GARDEN SOILS
KEY INGREDIENTS FOR SUCCESS



WSU Master Gardeners to discover
tips and tricks for a successful summer garden.
Soil preparation, planting temperatures,
and more.

10:00 - 3:00 PM, SATURDAY
at the SOUTH WHATCOM LIBRARY 1010
SIT WCLS.ORG FOR OTHER FREE EVENTS

WEGROW
FOOD.YOUTH.COMMUNITY.

Saturday Sept 16th
10am-4pm

We are on the tour!
Stop in to see us at
WE GROW Garden
1815 Ellis St.
(across from the Bham Foodbank)

FREE & Family Friendly
Compost & Cover Crop demos
Urban Food Garden
Refreshments
Garden art



Hosted by WSU Whatcom County
Master Gardener & Master Composter Programs



WSU Master Gardener
DIAGNOSTIC PLANT CLINIC

Research-based Information • Insect and Disease Identification



How to Collect, Package & Deliver Plant/Weed ID Samples

Samples for Plant and Weed ID must be alive, fresh, and undamaged.
They should include - leaves, buds, stems, flowers, roots,
and fruits/seeds or as many of these features as possible.

Remember: A single leaf is not enough & insects should be in jars or bottle.

CLINIC HOURS

Monday-Thursday

9:00-Noon & 1:00-3:30pm

Master Gardener Volunteers available to answer gardening questions.

Bring in a sample, call or email us:

600 Dupont St, Suite A • (360) 778-5808 • mg.whatcom@wsu.edu



WSU Whatcom County Extension
**Master Composter
Recycler Training**



Vermicomposting Backyard Composting Food Waste Prevention
Comprehensive Recycling

2023 Whatcom Spring Training

4-week course (dates TBD)
Community Education Volunteer action projects Research-based knowledge
Course fee: \$50

Includes class materials, tours and hands-on workshops.

For more info and to register contact: beth.chisholm@wsu.edu (360) 778-5811

Extension programs and employment are available to all without discrimination.
Evidence of noncompliance may be reported through your local extension office.



**WSU Whatcom Community Horticulture
Master Gardener & Master Composter/ Recycler**



WHATCOM COUNTY



Community Partnerships

- Rotary Club
- Bellingham Farmers Market
- Lummi Tribe
- Nooksack Tribe
- East County Resource Center
- Foodbanks
- WWU LEAD Program
- Bellingham Food COOP
- Common Threads school gardens
- Native Plant Society
- Whatcom Conservation District
- Whatcom County Food System
- Assumption Catholic School
- Options Highschool
- Unity Care
- Café Refugio
- WC library system
- City of Bellingham Parks Dept.

WSU Whatcom County Extension

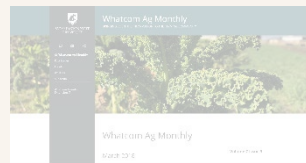
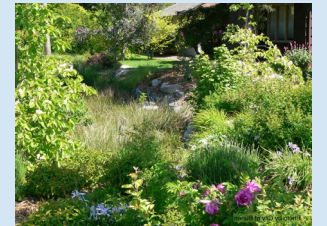
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Community Horticulture

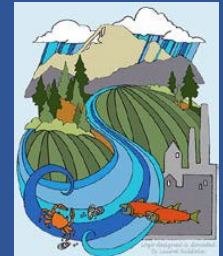
Commercial Agriculture

Family & Community Health

Natural Resources



Drought Contingency Planning & Preparedness





Sustainable Landscaping

Photo by City of Burien



WW

Whatcom Watersheds
Information Network



W



OUR NORTHWEST
Featured Topics

RESEARCH
Project Areas

COMMUNITY OUTREACH
Programs | Services

OCEAN LEARNING
Education | Training

FUNDING
Apply | Manage

ABOUT US
Our Program

- Aquaculture
- Boating
- Fisheries
- Hazards, Resilience and Climate Change
- Environmental Threats
 - Crab Team
 - European Green Crab
 - Get Involved With Crab Team
 - About WSG Crab Team
 - Molt Search
- Marine and Coastal Planning
- Safe, Sustainable Seafood
- Shoreline Living and Restoration
- Volunteer Opportunities

Molt Search



The emerging invasion by European green crabs (*Carcinus maenas*) threatens marine resources in Washington. Early detection of small populations gives us the best chance to reduce the spread and impact of this globally damaging invasive species.

Washington Sea Grant and Washington State University Extension have teamed up to launch a new volunteer-based early detection program to complement the existing WSG Crab Team monitoring network.

Molt Search aims to support broader participation in early detection along inland Washington's shorelines by teaching volunteers what to look for and how to report the presence of European green crab molts. These molts can serve as an early indicator of the presence of European green crab in an area.



REPORT A SIGHTING

VOLUNTEER TOOLBOX

NEWSLETTER SIGNUP



Recent Posts



Crab Team Welcomes Elyse Kelsey as Student Assistant

September 25, 2023



2022 Season Wrap Up - WA Coast

June 15, 2023



Introducing Molt Search

May 1, 2023



A Code to Crab By

March 13, 2023

A vibrant garden scene featuring a variety of plants. In the foreground, there are purple roses and blue irises. The middle ground is filled with tall grasses and other greenery. In the background, a house with a window is visible, surrounded by more trees and plants. The overall atmosphere is bright and sunny.

Sustainable Landscaping

Photo by City of Burien





National Park Service photo



Image by Ruth Lauman/Waterside Magazine.
Used with permission.





Photo by Matt Rath/Chesapeake Bay Program CC BY-NC 2.0

GARDENING GREEN

Sustainable Landscaping Course

Learn how to grow a beautiful landscape garden with:

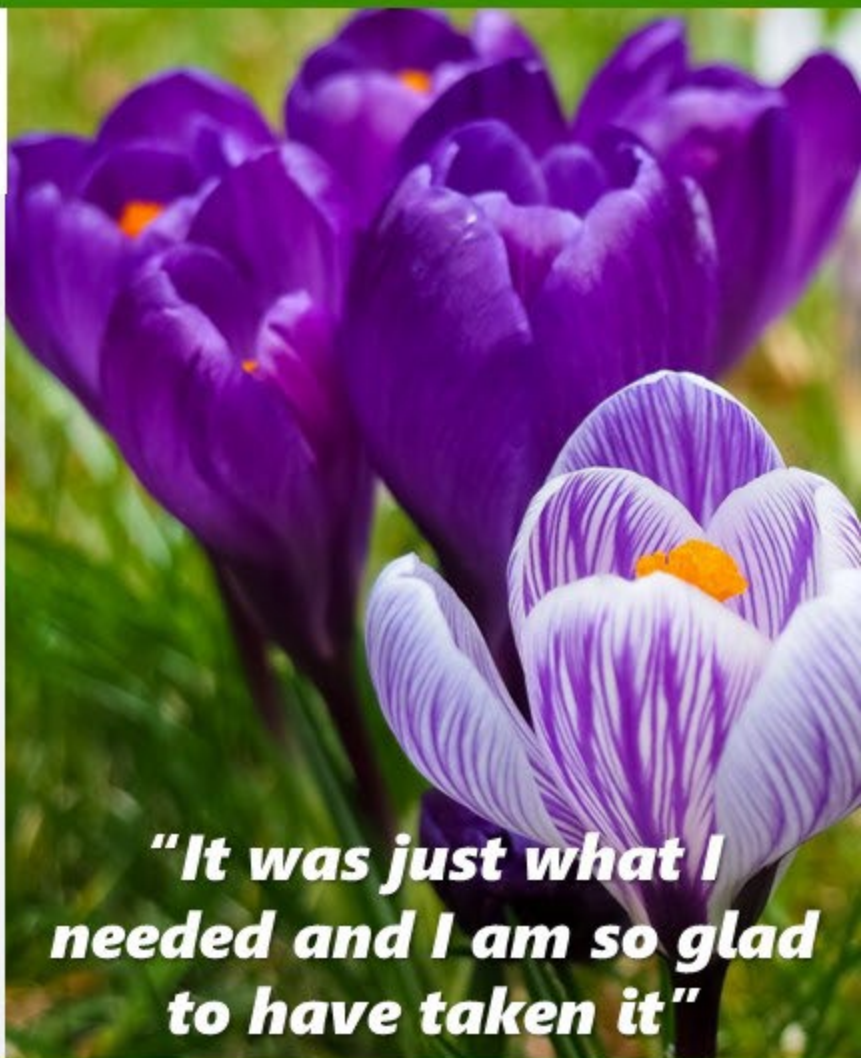
- Less water
- Little to no fertilizer or pesticides, &
- Healthy soil in this **5-part course!**

Help to keep our lakes and rivers clean & receive a discount at the Garden Spot Nursery!

Thursdays 5:30-7:30pm

March 2nd – March 23rd online via Zoom &
Saturday

April 1st 10am to 12:30pm in person



"It was just what I needed and I am so glad to have taken it"



To learn more: <https://extension.wsu.edu/whatcom/nr/gardening-green/>

To register: (360) 778-5812 | clniles@wsu.edu

Extension programs and employment are available to all without discrimination. Evidence of noncompliance may be reported through your local Extension office.





GARDENING GREEN

5-part Sustainable Landscaping Course

Saturdays 10am-12pm

April 8th – May 6th

at the Sudden Valley Community Center

To learn more and register:

<https://extension.wsu.edu/whatcom/nr/gardening-green/> or call (360) 778-5812



GARDENING GREEN

Sustainable Landscaping Course

Learn how to grow a beautiful landscape garden with:

- Less water
- Little to no fertilizer or pesticides, &
- Healthy soil in this **5-part course!**

Help to keep our lakes, rivers, and marine waters clean and receive a discount from Kent's Garden & Nursery!

Saturdays 10am-12pm

September 16th – October 14th

at the BP Heron Center, Birch Bay

"Your class was packed with useful and relevant information..."



To learn more: <https://extension.wsu.edu/whatcom/nr/gardening-green/>
To register: (360) 778-5812 | clniles@wsu.edu

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Photo by Cade Marin, Dawn Arlotta, USCDCP on Pixnio



Gardening Green *course*

Teaches:

**Choose site appropriate
plants**



Gardening Green
course

Teaches:

Build healthy soils

Gardening Green *course*

Teaches:

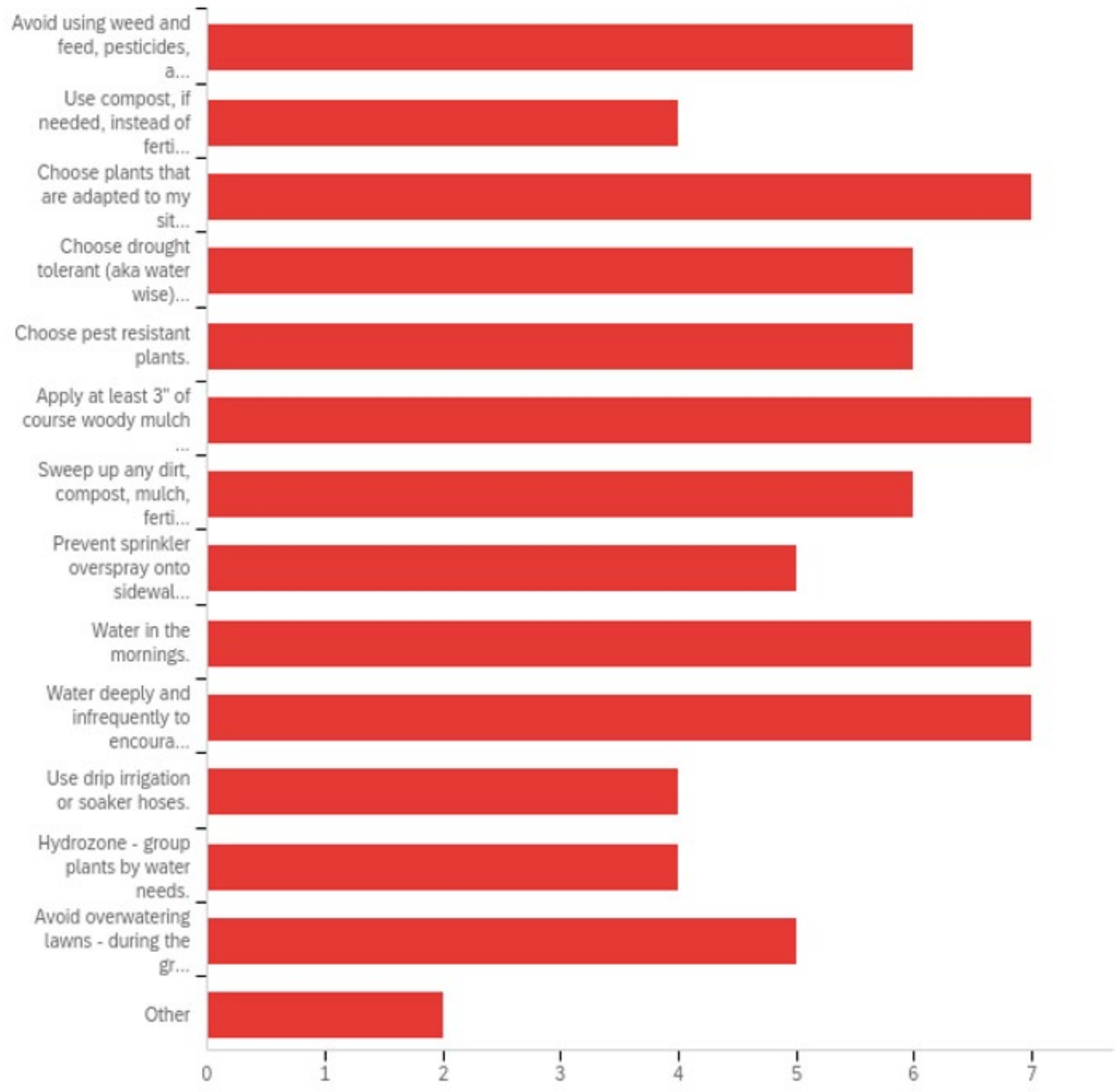
Conserve water



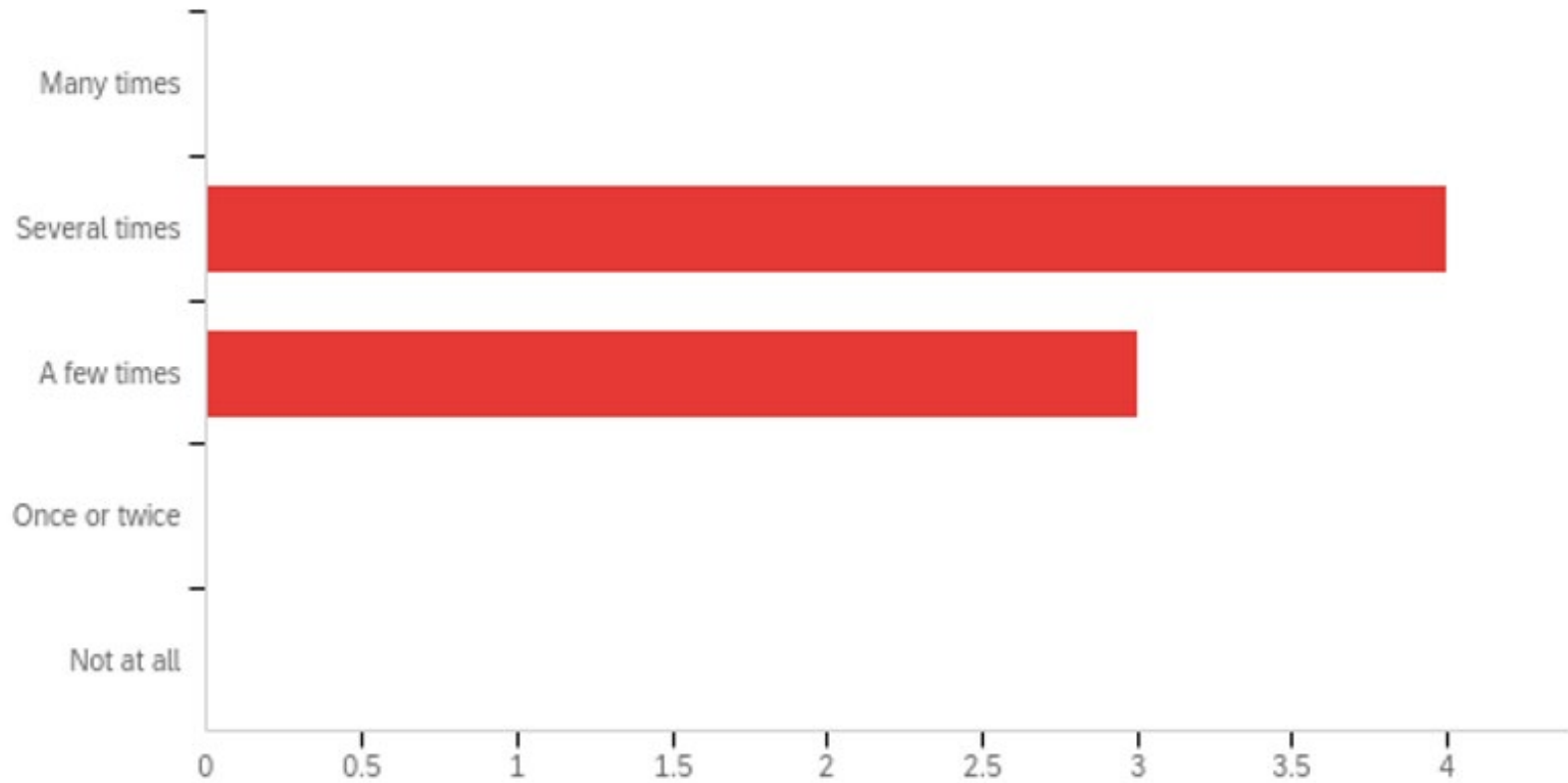
Photo by Jozsef Hocza on Unsplash



Q1 - Please indicate which of these Gardening Green practices you have used or that you plan to use in the future. (Check all that apply)



Q8 - How many times, if at all, did you talk to one or more friends or neighbors about what you learned in the Gardening Green course?





Q13 - Is there anything else you'd like to share with us about the class, or your experience using the recommended gardening practices, or anything else?

I loved the field visit day!

I thought it was a great class and I learned a lot and was happy to receive so many valuable resources..... Cheryl is very knowledgeable and personable and did a great job presenting all the materials. I highly recommend this course.


Wonderful classes — great instructor, presentations were highly informative, and field trip was great!! Highly recommend this course!

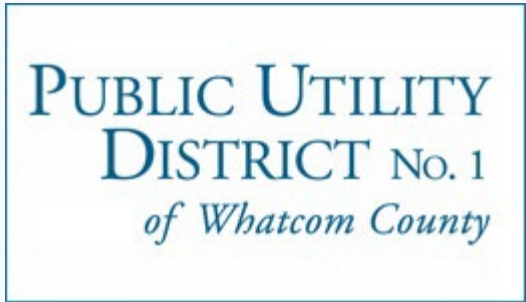
Wonderful experience. Great overview to a new-comer. The course was extremely well organized and so enjoyed the special guests and the list of resources categorized by topic each week.....Thank you for offering this course and for free!



Whatcom Watersheds Information Network

- a diverse group of citizens, agencies, non-profits, and businesses involved in local water and natural resources education. WWIN is an apolitical, non-advocacy organization.





WW Whatcom Watersheds Information Network W




WRIA 1
Water Resource
Inventory Area 1




Whatcom
County

WASHINGTON STATE UNIVERSITY
EXTENSION

The logo for WWIN consists of two 'W's. The top 'W' is blue and the bottom 'W' is green. The text 'Whatcom Watersheds Information Network' is written in a blue, sans-serif font across the middle of the two 'W's.

WW Whatcom Watersheds Information Network W

WWIN's mission is to help protect and restore our local waters and other natural resources by enhancing education, public involvement, and collaboration.

The logo for WWIN consists of two 'W's. The top 'W' is blue. The bottom 'W' is split vertically, with the left half being green and the right half being blue.

WW Whatcom Watersheds Information Network W

WWIN provides timely and credible information to decision-makers, resource managers, educators, and engaged citizens.



SPEAKER SERIES EVENT

Flood Management on Farmland

Presented by
Gavin Willis, Whatcom Family Farmers

Gavin Willis will share updates on work being done on farmland to address flooding, improve riparian habitat, and promote healthy waterways for salmon.

The presentation will incorporate perspectives from a range of projects and local entities, including the Ag Water Board, and will also include a sneak peek at the first of a 3-part video series highlighting changes in the way that watershed management is being tackled in Whatcom County.

Wednesday, November 16th
12:00 – 12:30 pm via Zoom

Another Public Speaker Series Event coordinated by:



To register click:

https://us06web.zoom.us/meeting/register/tZlscu2vqj0vGNX1onXYdPg5k9XowKP_xxlc

Questions?

Contact Cheryl Lovato Niles; clniles@wsu.edu

SPEAKER SERIES EVENT

Salmon Habitat Restoration: Voluntary Programs with Benefits for Landowners

Presented by

**Aneka Sweeney, Education & Outreach Coordinator,
Whatcom Conservation District**

Wednesday, February 15th

12:00 pm – 1:00 pm via Zoom

There are simple ways for landowners to steward their land and restore natural habitats for salmon, wildlife biodiversity, and water quality. Learn more about these habitat and restoration programs:

- Conservation Reserve Enhancement (CREP),
- Salmon Recovery Restoration (SRRP),
- Neighborhood Native Landscaping, and
- Fish Passage Barrier Removal, plus
- The Annual Native Plant Sale,
- Wildfire and Forestry resources,
- and other great opportunities!



To register click:

<https://us06web.zoom.us/meeting/register/tZ0kcOGhrTwwGNOvDoR06MNX5h3EhnAyBeWm>

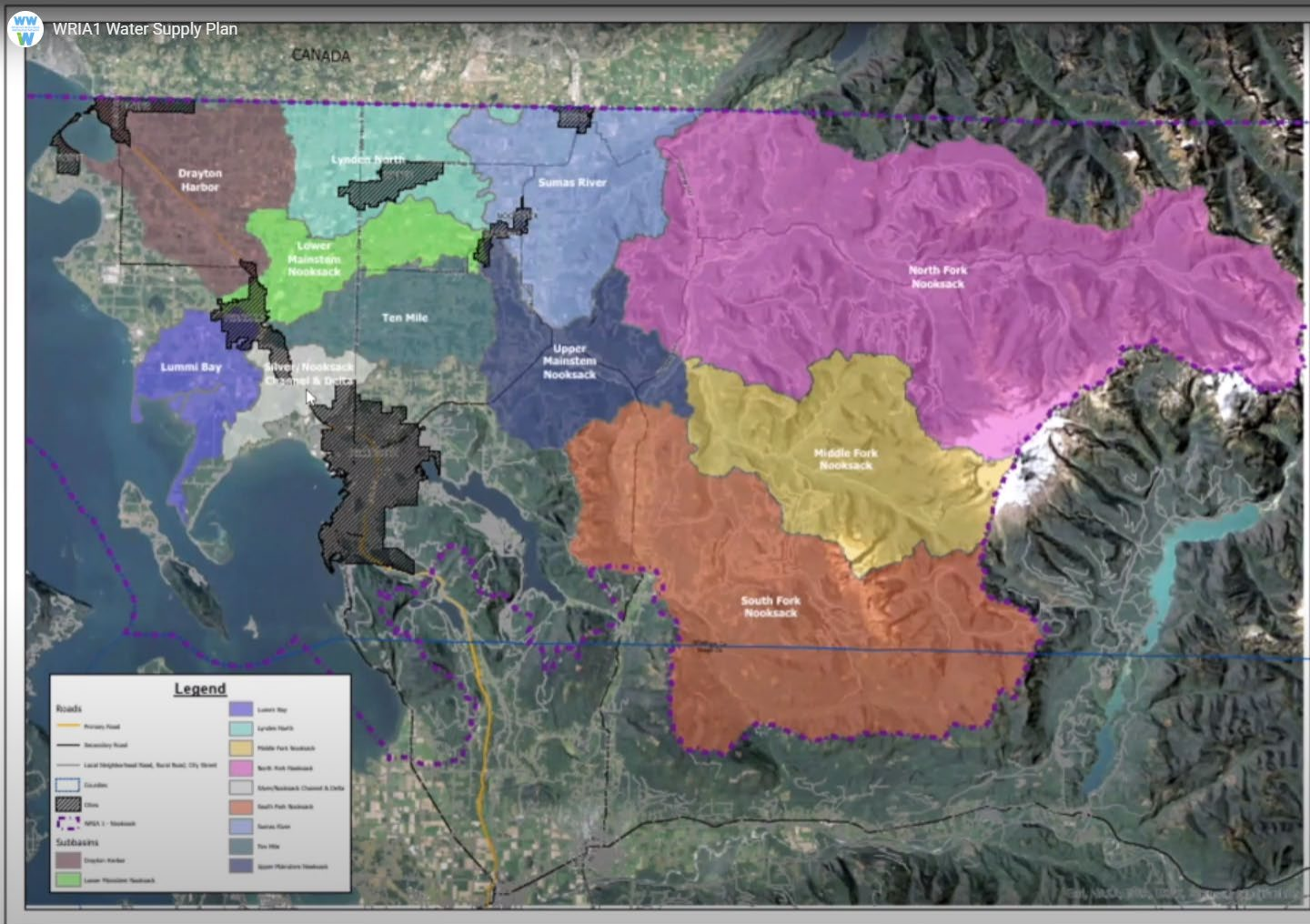
Questions?

Contact Cheryl Lovato Niles; clniles@wsu.edu

Another Public Speaker Series Event coordinated by:



Regional Water Supply Plan Phase 2



This map is a graphic representation derived from the Whatcom County and Whatcom County PUD GIS Information System. It was designed and intended for PUD use only. It is not guaranteed to be accurate. This map is based on the best information available at the time shown on this map.

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Vicinity Map

Figure 1 Overview Map

Whatcom County PUD Regional Water Supply Plan

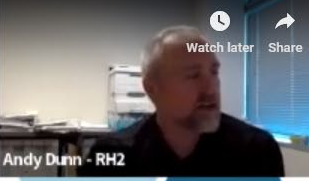
PUBLIC UTILITY DISTRICT No. 1
of Whatcom County

1 inch equals 2 miles

0 1 2 Miles

DRAWING IS FULL SCALE WHEN MAP MEASURES IT

RH2 **NORTH**



SPEAKER SERIES EVENT

Integrated Floodplain Planning in Whatcom County

**Online event hosted by
The Whatcom Watersheds Information Network
and Whatcom County**

**Tuesday, February 28th
5:30 pm – 7:30 pm via Zoom**

To register click: <https://tinyurl.com/4dtfhras>

For more information visit:

www.whatcomwin.org/speaker-series

Questions?

E-mail: Whatcomwatersheds@gmail.com

Another Public Speaker Series Event coordinated by:



Photo Credit: State of Our Watersheds, May 2017 Northwest Treaty Tribes

Whatcom County's Floodplain Integrated Planning process is intended to guide future work to reduce flood risk, recover salmon populations, and to improve the resiliency of floodplain agriculture and floodplain communities in Whatcom County.

Experts working on this integrated approach will explain:

- **The Floodplain Integrated Planning process**
- **The dynamic nature of the Nooksack River and management challenges**
- **Challenges in developing a computer model to replicate the November 2021 flood on the Nooksack River and the next steps for how this tool will be used in the future**
- **The current quality of salmon habitat in the lower Nooksack River**

Collaborative monitoring and removal of invasive European green crabs in Drayton Harbor & Samish Bay

Wednesday November 8th, 5:30pm - 6:30pm via Zoom

Invasive European green crabs (EGC), *Carcinus maenas*, are considered one of the world's most damaging invasive species. An increasingly abundant population could threaten native organisms, nearshore habitats, and culturally and economically important species in the Salish Sea, as has been seen in other parts of the world where they have established invasive populations. Northwest Straits Commission has worked with Washington Department of Fish and Wildlife, University of Washington Sea Grant, local shellfish growers, Whatcom County Marine Resources Committee, and many other local partners in managing EGC in Drayton Harbor and Samish Bay, two areas of concern along Washington inland marine shorelines. In this 1-hour event, Leah Robison and Allie Simpson will share background about EGC, the timeline of their introduction into North Sound counties, and results from their recent collaborative trapping efforts.

Presented by

Allie Simpson, Ecosystem Project Coordinator, Northwest Straits Commission, simpson@nwstraits.org and

Leah Robison, Ecosystem Projects Specialist, Northwest Straits Commission, robison@nwstraits.org

To register for this Zoom event go to: [https://us06web.zoom.us/meeting/register/tZEldOGrcDksHt2SEty0gVQgtJAJh9_k7iVp?fbclid=IwAR2qpV94vGq7NZOkm0jo-aaBDqcNaosMRKbOzU-cGk7LyQ0RF9HJ4A4Rrc#/registration](https://us06web.zoom.us/join/https://us06web.zoom.us/meeting/register/tZEldOGrcDksHt2SEty0gVQgtJAJh9_k7iVp?fbclid=IwAR2qpV94vGq7NZOkm0jo-aaBDqcNaosMRKbOzU-cGk7LyQ0RF9HJ4A4Rrc#/registration)



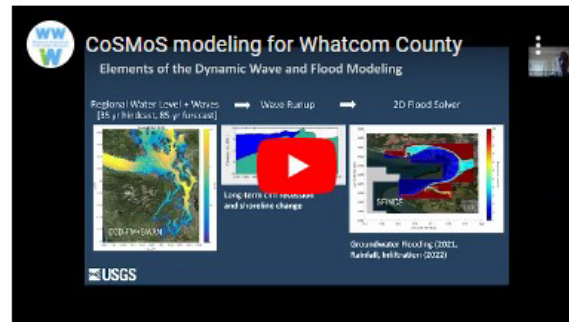


2021

Coastal Storm Modeling and Habitat Vulnerability

September 2 • via Zoom • [Video](#) • [Audio](#)

Learn about the Coastal Storm Modeling work that is being done for Whatcom County and new efforts to assess coastal habitat vulnerabilities to sea level rise from Dr. Eric Grossman, Research Geologist with the US Geological Survey, and Dr. Ian Miller, Coastal Hazards Specialist with Washington SeaGrant.



Car Tires Killing Coho - New Research

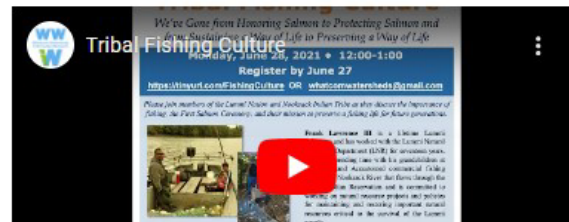
June 30 • via Zoom • [Video](#) • [Q&A Sheet](#) (pdf)

Dr. Jen McIntyre's research specialty is the ecotoxicology of urban stormwater runoff and green infrastructure biological effectiveness for preventing toxicity to aquatic animals. Dr. McIntyre presented the research conducted by her UW and WSU research team that has identified a chemical in tires that kills coho salmon in urban waterways before they can spawn via a prerecorded talk and was available for questions.

Tribal Fishing Culture - We've gone from Honoring Salmon to Protecting Salmon and from Sustaining a Way of Life to Preserving a Way of Life

June 28 • via Zoom • [Video](#) • [Audio](#)

Frank Lawrence III is a lifetime Lummi Fisherman and has worked with the Lummi Natural Resource Department for 17 years. George Swanaset Jr. "Yel7qaynem" is a member of the Nooksack Indian Tribe and is the Natural and Cultural Resource Director for the Tribe.



Whatcom Water Week 2023

Water- It's Everybody's Business

September 9th - 17th

Whatcom Water Week is an annual community event that celebrates the water resources of Whatcom County. Water Week offers many different family-friendly events throughout the county with opportunities to have fun, learn, and make a difference.



#12 Pete Granger-WaterBusiness

77



[PHOTO
CONTEST](#)



[EVENTS](#)



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BE A SPONSOR](#)

WW
Whatcom Watersheds Information Network
W



Whatcom Water Week

September 9 - 17, 2023

**Run with the Chums 5K /
Salmon Sightings/ Water Treatment Plant
Tours / Self-guided Walks / Kids Events /
Blue Drinks / Photo Contests
& So Much More**

WhatcomWaterWeeks.org



Whatcom Water Week 2023

September 9th - 17th

Water- It's Everybody's Business

- Run with the Chums hosted by the Whatcom CD;
- The Whatcom Water Alliance Water Saving Pledge;
- The Bellingham Library's Little Storytime, Preschool Storytime, and Time for Tales;
- Stormwater Discovery Tours, Lake Whatcom Self-guided hikes, the Padden Creek Fish Passage Projects Tour and the Community Work Party at Whatcom Creek hosted by the City of Bellingham;
- Gardening Green – Sustainable Landscaping course hosted by WSU Extension;
- Managed Aquifer Recharge Site Tour hosted by the City of Lynden, WRIA1, and AESI;
- Walk the Dock - Meet your Fishermen and Blue Drinks, hosted by the Working Waterfront Coalition;
- Preparing for the Adjudication, Hosted by the Ag Water Board, Aspect Consulting, Associated Earth Sciences, and RH2 Engineering;
- Family Field Day at Birch Bay State Park hosted by Garden of the Salish Sea Curriculum;

- Lynden Water Treatment Plant Tour hosted by the City of Lynden;
- Salmon Sighting and the Salmon Spotters Training Workshop, hosted by the Nooksack Salmon Enhancement Association;
- Salish Sea Marine Habitat Collage hosted by the Marine Life Center;
- Trivia Night at Ponderosa Beer & Books hosted by Working Waterfront Coalition and Sea Feast;
- International Coastal Cleanup at Gulf Road hosted by RE Sources, Surfrider, and Ocean Conservancy;
- The Cleaning Up Legacy Contamination Waterfront Tour hosted by RE Sources;
- The Water Treatment Plant Tour and the Wastewater Treatment Plant Tour hosted by the City of Bellingham;
- Out and About, Wild Things, and Wonder Walks hosted by Wild Whatcom;
- Bellingham Bay Paddle and Scavenger Hunt, hosted by the Community Boating Center; and the
- We Scoop Photo Contest and Prize Drawing hosted by Whatcom County















Water Week Photo Contest

August 1 - September 30, 2023!

Prizes for Each Category! Vote for Fan Favorite!

[Vote Now for Fan Favorite October 1-12](#)

Thank you to our 2023 Water Week Photo Contest Sponsors!



2022 Photo Contest Winners!



Gosh Tarn
Robert Beck
Category - Favorite Water Spot



Blustery Day
Rita Fox
Category - Best Phone Photo



Narcisus
Will Stone
Category - Protecting and Restoring Our Water



Taylor Dock
Sean Ventura
Category - People Having Fun



Seashore Sally
Jeff Rachinski
Category - Fan Favorite



The Whatcom Chief
Edmund Lowe
Category - Working for Water



Like Father, Like Son
Holly Faulstich
Category - Sponsor Favorite

Thank you to everyone that entered photos in the 2022 Water Week Photo Contest!


2023 Sponsors!

Interested in Being a Sponsor of the
2023 Whatcom Water Week? [Click Here](#)



WASHINGTON STATE UNIVERSITY
EXTENSION



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WW Whatcom Watersheds Information Network W

WWIN provides free skill-building trainings to our members and other natural resource educators.



FREE

GRANT WRITING TRAINING

for Natural Resources Professionals

Save the Dates!

The Whatcom Watersheds Information Network invites you to a 2-part grant writing training

Wednesday November 29

AND

Wednesday December 13

from 9 am to 12 pm online via Zoom

Virginia Lang, of Lang Consulting, works nationally with nonprofits and individual clients. She specializes in planning, training, and development for nonprofits. She has written, reviewed, and administered hundreds of successful grants over the past 35 years. In this 2-part training, Virginia will teach you how to:

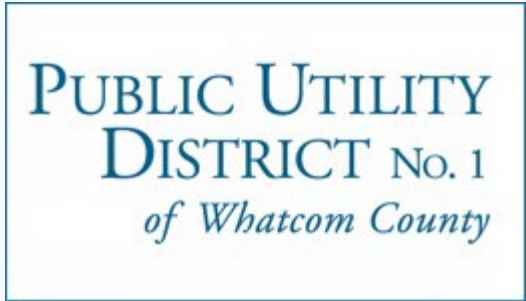
- Write a compelling case for your proposed project and organization,
- Write clear goals and objectives, and
- She will provide personal feedback on your writing samples.

Jenn Grimm, the Strategic Funding Manager with the Puget Sound Partnership will provide guidance on:

- Preparing to apply for federal grants,
- Upcoming opportunities and the relevant timelines, and
- The Puget Sound Partnership's new tool to help you stay abreast of federal and state opportunities to fund your work.

WWIN is offering this training at no cost to you because it is part of our mission to support natural resources professionals in Whatcom County and enhance your ability to do good work.

Registration will be limited. Mark your calendars and don't miss this opportunity! Registration coming in November.



WW Whatcom Watersheds Information Network W



WRIA 1
Water Resource
Inventory Area 1



Whatcom
County

WASHINGTON STATE UNIVERSITY
EXTENSION



OUR NORTHWEST
Featured Topics

RESEARCH
Project Areas

COMMUNITY OUTREACH
Programs | Services

OCEAN LEARNING
Education | Training

FUNDING
Apply | Manage

ABOUT US
Our Program

- Aquaculture
- Boating
- Fisheries
- Hazards, Resilience and Climate Change
- Environmental Threats
 - Crab Team
 - European Green Crab
 - Get Involved With Crab Team
 - About WSG Crab Team
 - Molt Search
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REPORT A SIGHTING

VOLUNTEER TOOLBOX


NEWSLETTER SIGNUP




Recent Posts

- 


Crab Team Welcomes Elyse Kelsey as Student Assistant

September 25, 2023
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2022 Season Wrap Up - WA Coast

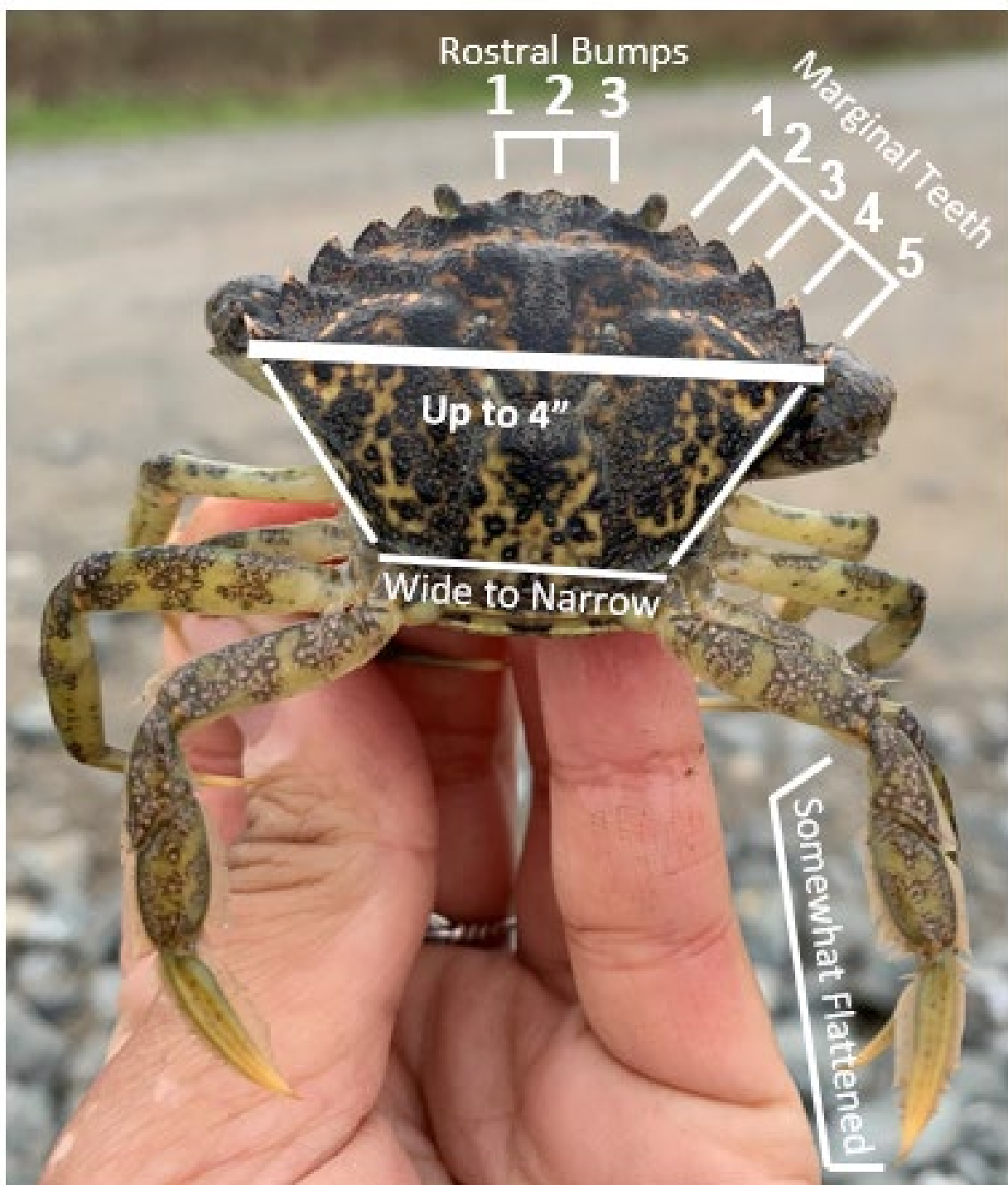
June 15, 2023
- 

Introducing Molt Search

May 1, 2023
- 

A Code to Crab By

March 13, 2023





4. After your molt survey

- Submit survey on MyCoast
- Dispose of molts
- If you found a European green crab molt:
 - We will follow up with you after you submit your report!
 - If you can, please hold onto the molt
 - We may request additional photos/details



BP HERON CENTER



Event
Calendar



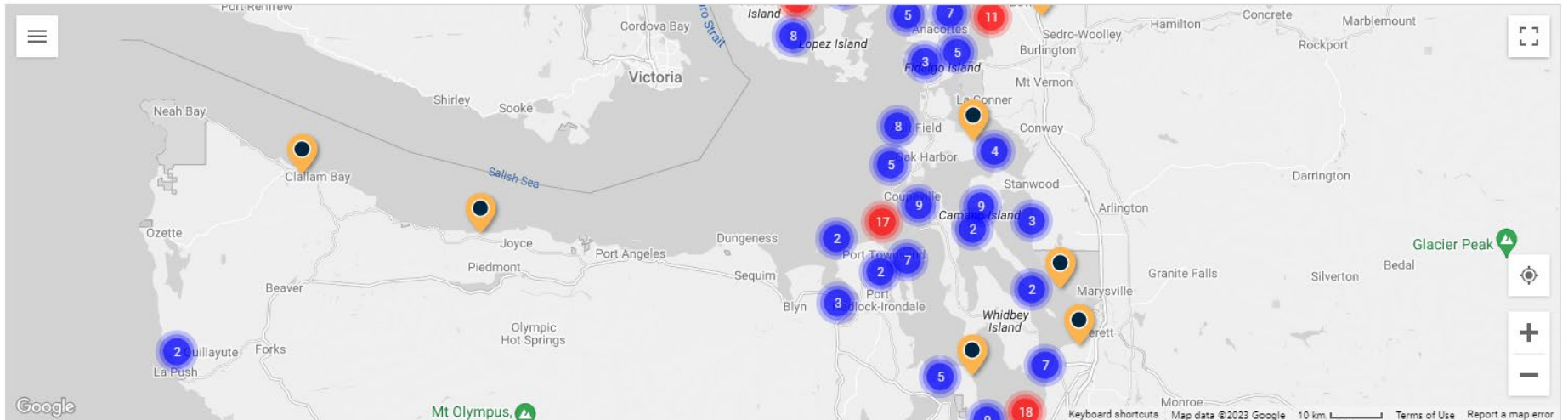




Molt Search



The emerging invasion by European green crab (*Carcinus maenas*) threatens marine resources in Washington. Molted shells can serve as an early indicator of the presence of European green crab, and Molt Search surveys are one tool for early detection to reduce the spread and impact of this invasive species. For more information, visit wsg.washington.edu/moltssearch.



Click on a map pin for more information.





Oak Harbor, WA



Ault Field, WA



Oak Harbor, WA



Birch Bay, WA



Olympia, WA



Ocean Park, WA



Oak Harbor, WA



Oak Harbor, WA



Poulsbo, WA



Oak Harbor, WA



Camano, WA



Camano, WA



Kingston, WA



Camano, WA



Anacortes, WA



Anacortes, WA



Photo by Candace McDaniel from StockSnap



Thanks! Questions?