



SKOKOMISH WATERSHED ACTION TEAM

Community Meeting

June 25, 2025
5:00 – 7:00



SKOKOMISH
WATERSHED
ACTION TEAM

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European Green Crab in Hood Canal

Natalie Otto, Washington Department of Fish and Wildlife

The European Green Crab in Washington



Natalie Otto

Salish Sea Regional Biologist

natalie.otto@dfw.wa.gov





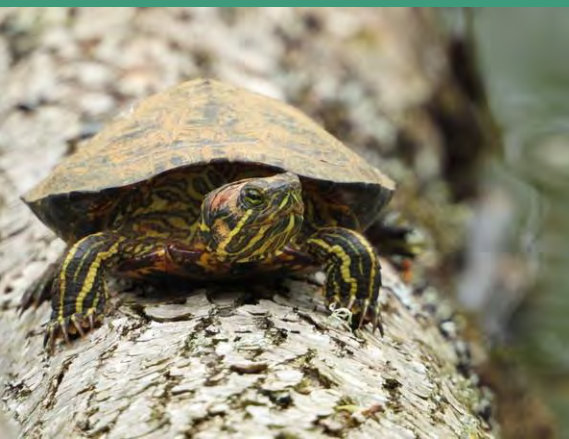
WDFW's Aquatic Invasive Species Division



To protect Washington's environmental, economic, and human resources, the WDFW is the state lead for preventing the introduction of new, controlling the spread of existing, and eradicating locally established aquatic invasive animal species.

The AIS Unit is charged with planning, coordinating, and leading the implementation of management actions on state lands.

Collaboration • Prevention • Early Detection • Rapid Response • Control • Research



The “5-points” of green crab identification



The “5-points” of green crab identification

5 spines on each side



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4 inches or less across



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3 bumps between the eyes



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2 semi-flat rear legs



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1 inaccurate name,
they aren't always green



The “5-points” of green crab identification

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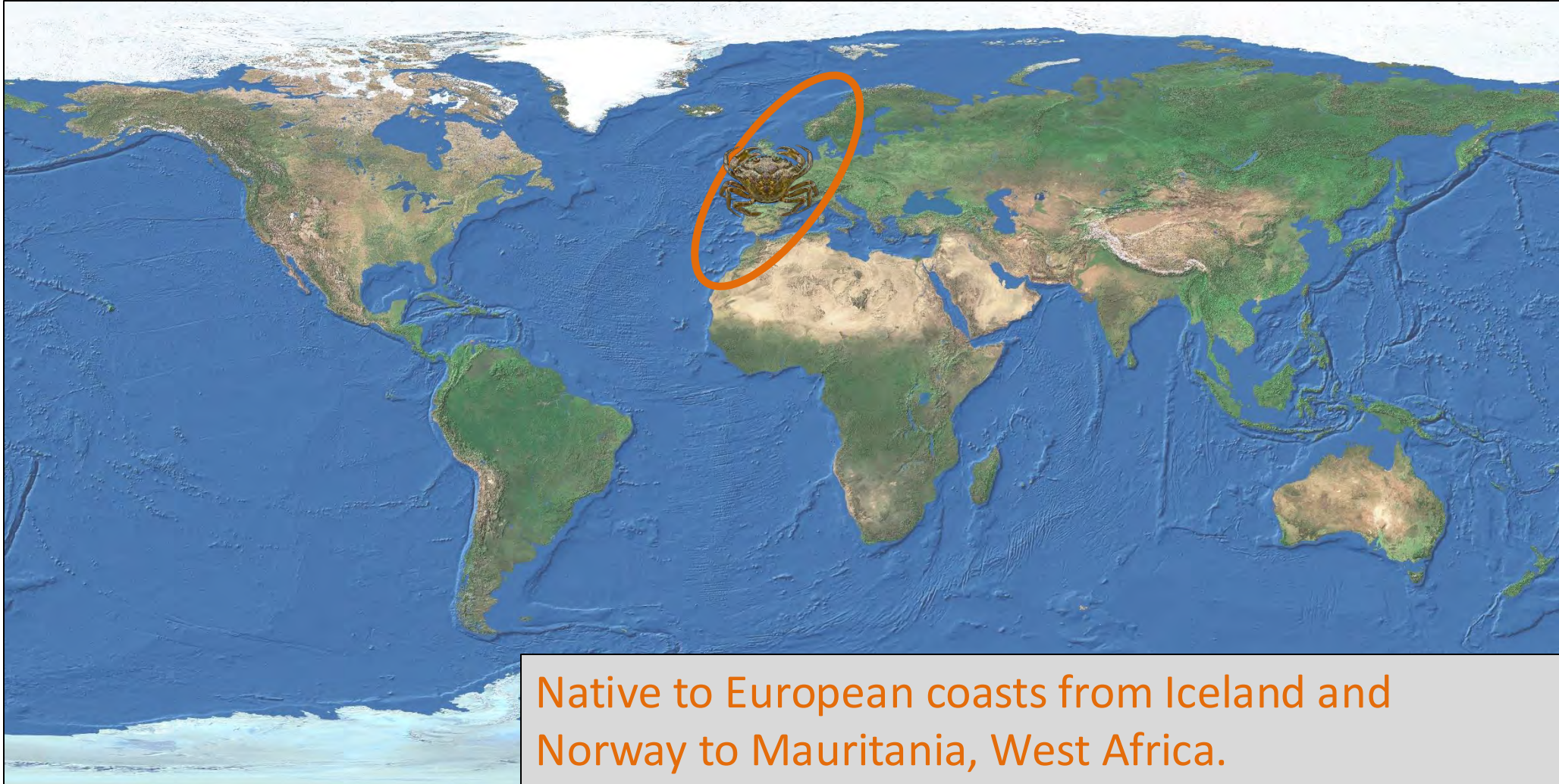
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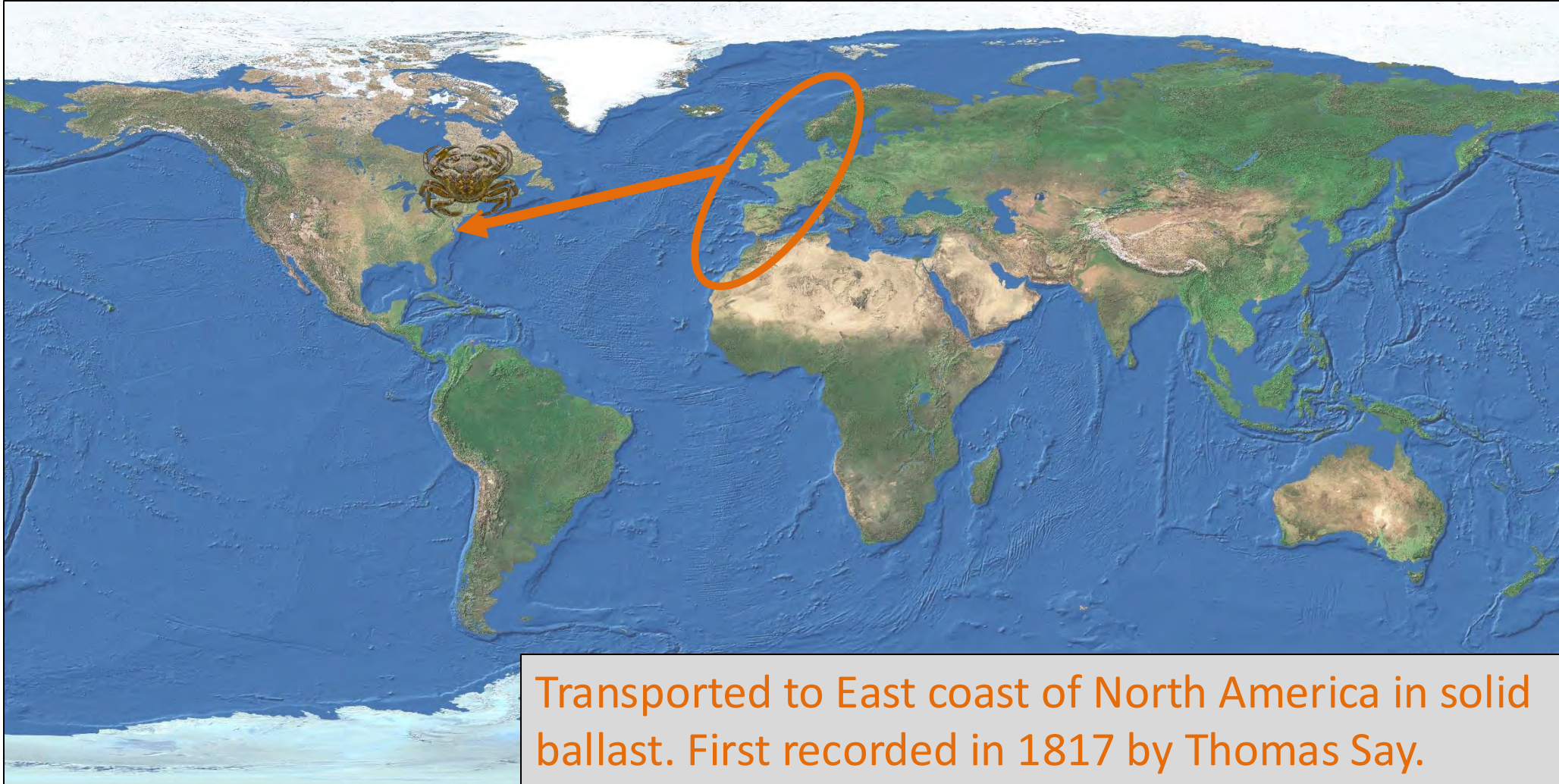
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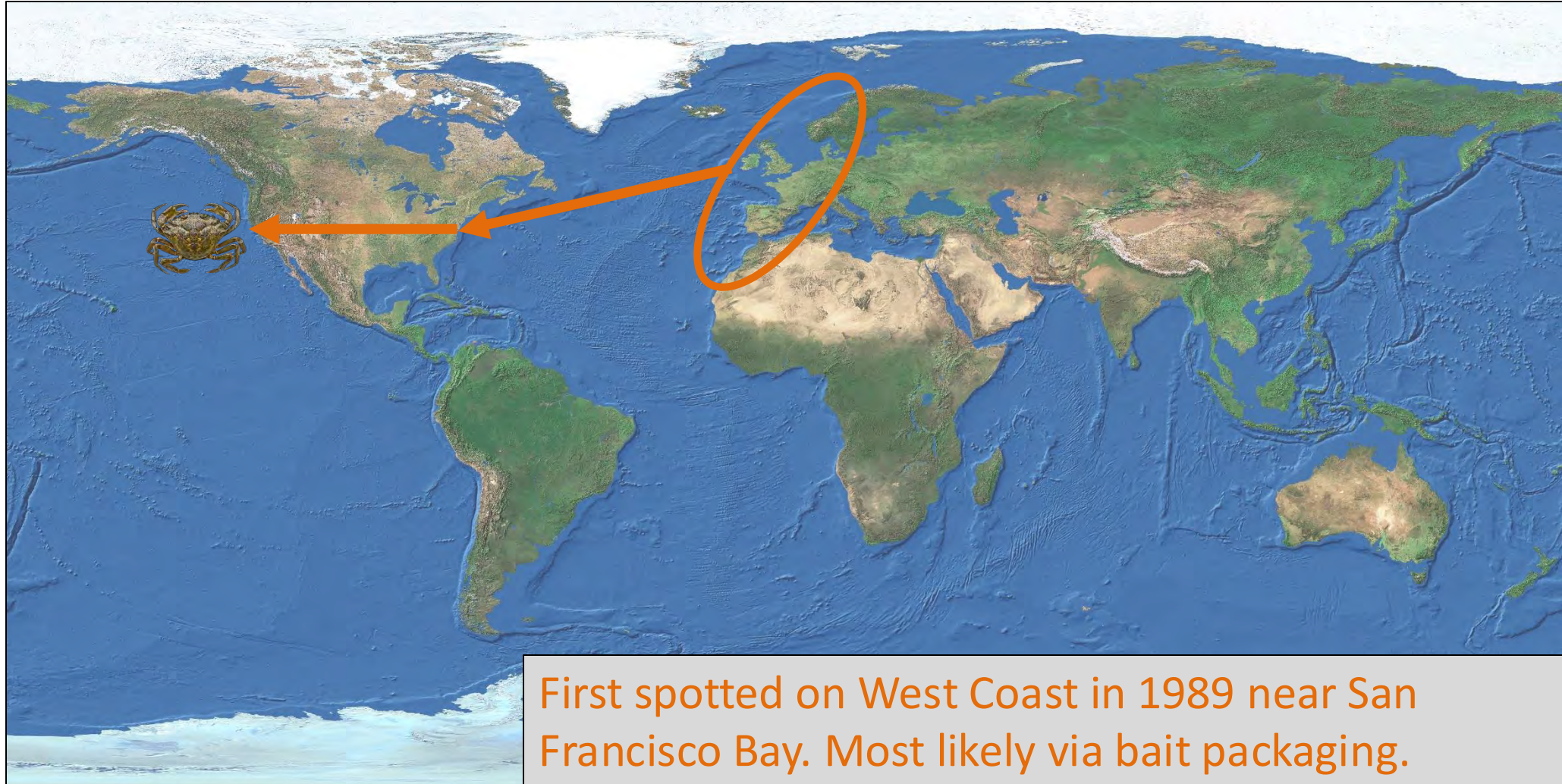
How did green crabs get here?



How did green crabs get here?



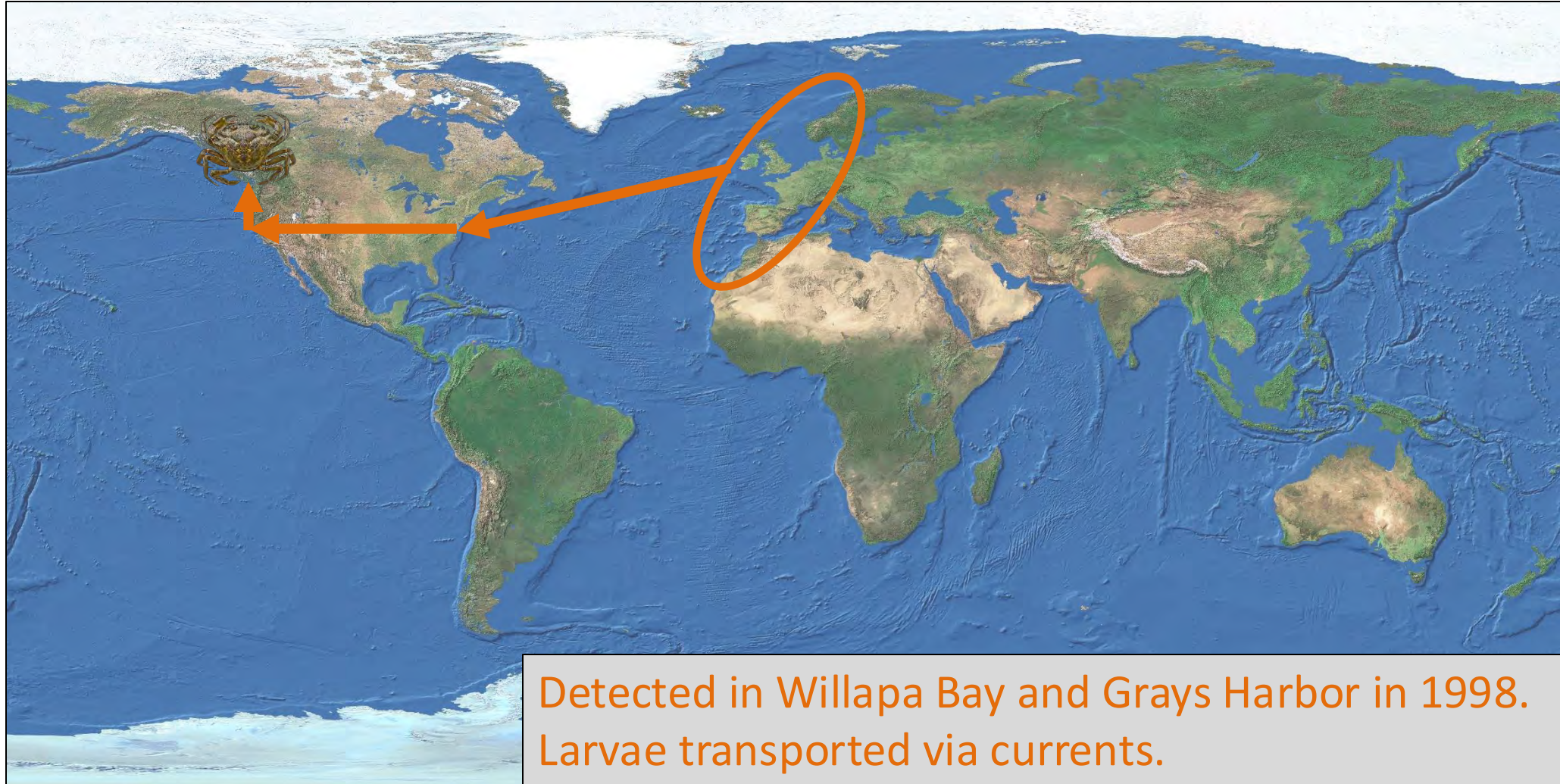
How did green crabs get here?



First spotted on West Coast in 1989 near San Francisco Bay. Most likely via bait packaging.



How did green crabs get here?



Where are green crabs now?

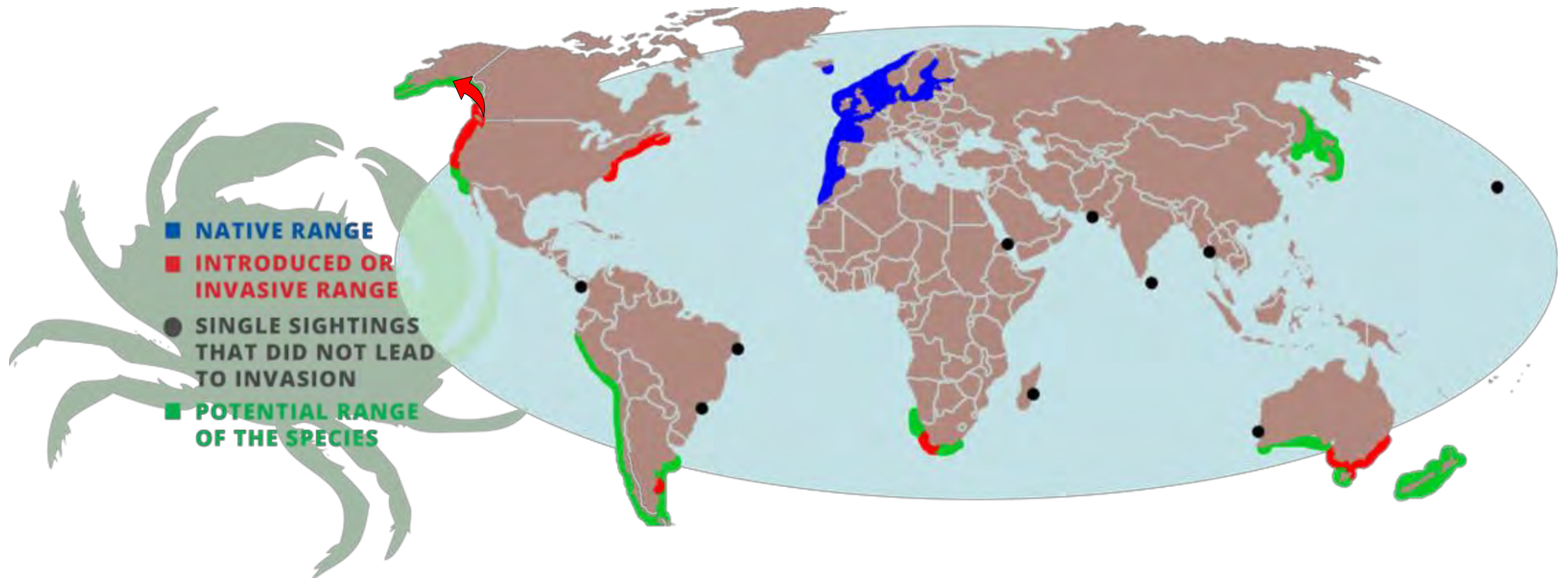


Image by NOAA Alaska Region Fisheries



Preferred "Crabitat"?

Relatively fresh and warm

Intertidal, low flow

Protected structures

- vertical banks
- vegetation
- hard debris

Pocket estuaries

- lagoons
- salt marshes



Keep in mind: green crabs have wide tolerances and can be found in areas you wouldn't expect to see them!



Why do we care?

Wide range of tolerances

- Salinity: 1.4-54 ppt (Dungeness are 11-35)
- Thermal: 32-95 °F (Dungeness are 37-64°F)

Highly diverse diet

Outcompete native species

Eelgrass impacts

Lots and lots of babies

- ~180,000 per clutch
- More than one clutch a year if warm enough



EGC in Washington

1998 – Coastal detection – Willapa Bay/Grays Harbor

2012 – Sooke Basin detection in British Columbia

2015 – WDFW designates Washington Sea Grant to lead early detection monitoring

2016 – Salish Sea detection – San Juan/Padilla Bay

2017 – Makah Bay/Dungeness Spit detections

2018 – Increasing Salish Sea and coastal EGC detections

2020 – Legislature approves \$783,000 proviso

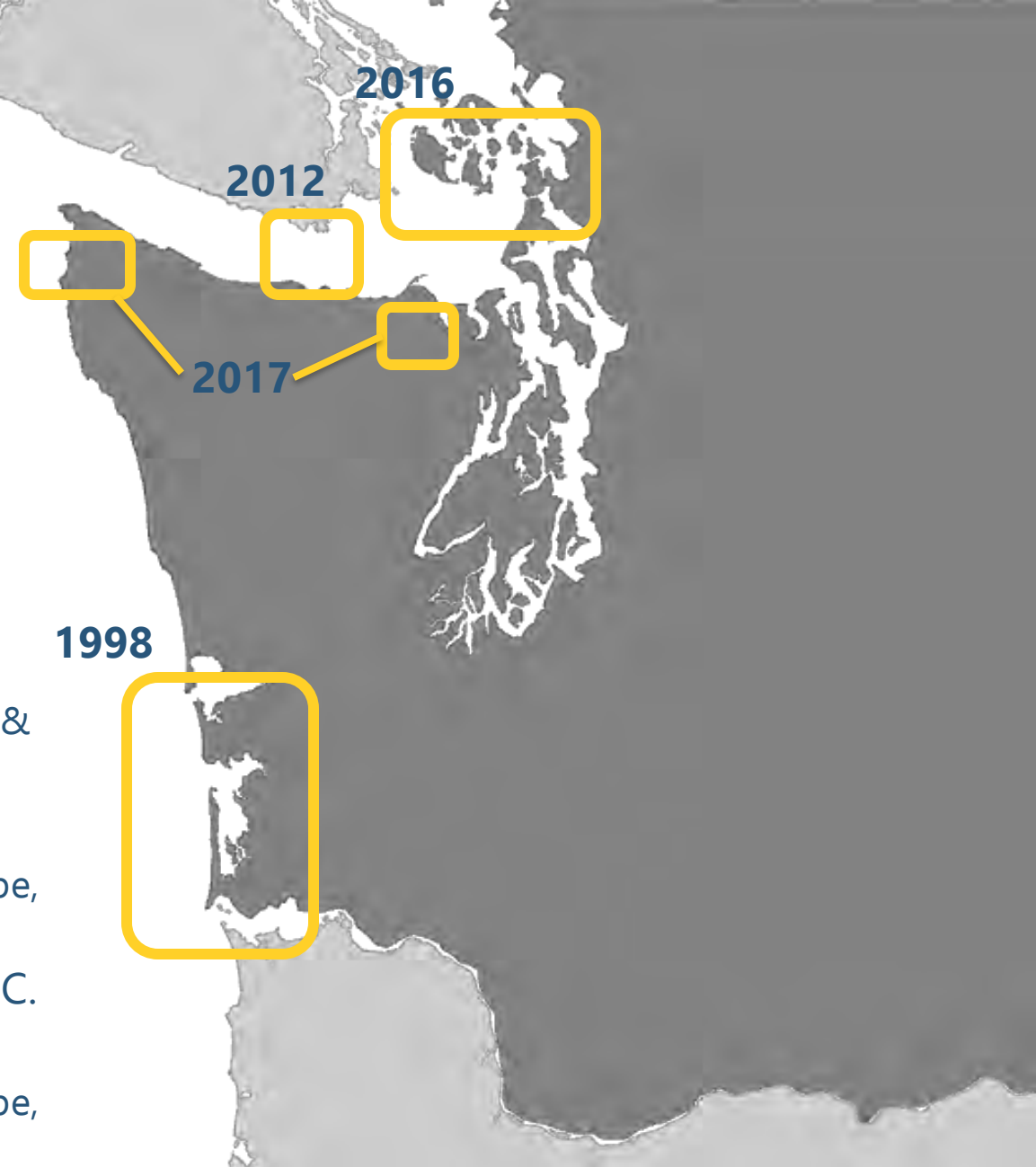
- \$411,000 passthrough funding to Lummi Nation, Makah Tribe & WSG

2021 – Legislature approves \$2.3 million ongoing funding

- \$1.2 million passthrough funding to Lummi Nation, Makah Tribe, WSG & NW Straits Commission

2022 – Gov. Inslee released an emergency proclamation for EGC.

- Legislature approves \$8.6 million ongoing funding
- \$3.2 million passthrough funding to Lummi Nation, Makah Tribe, WSG + \$1.5 million available in grants



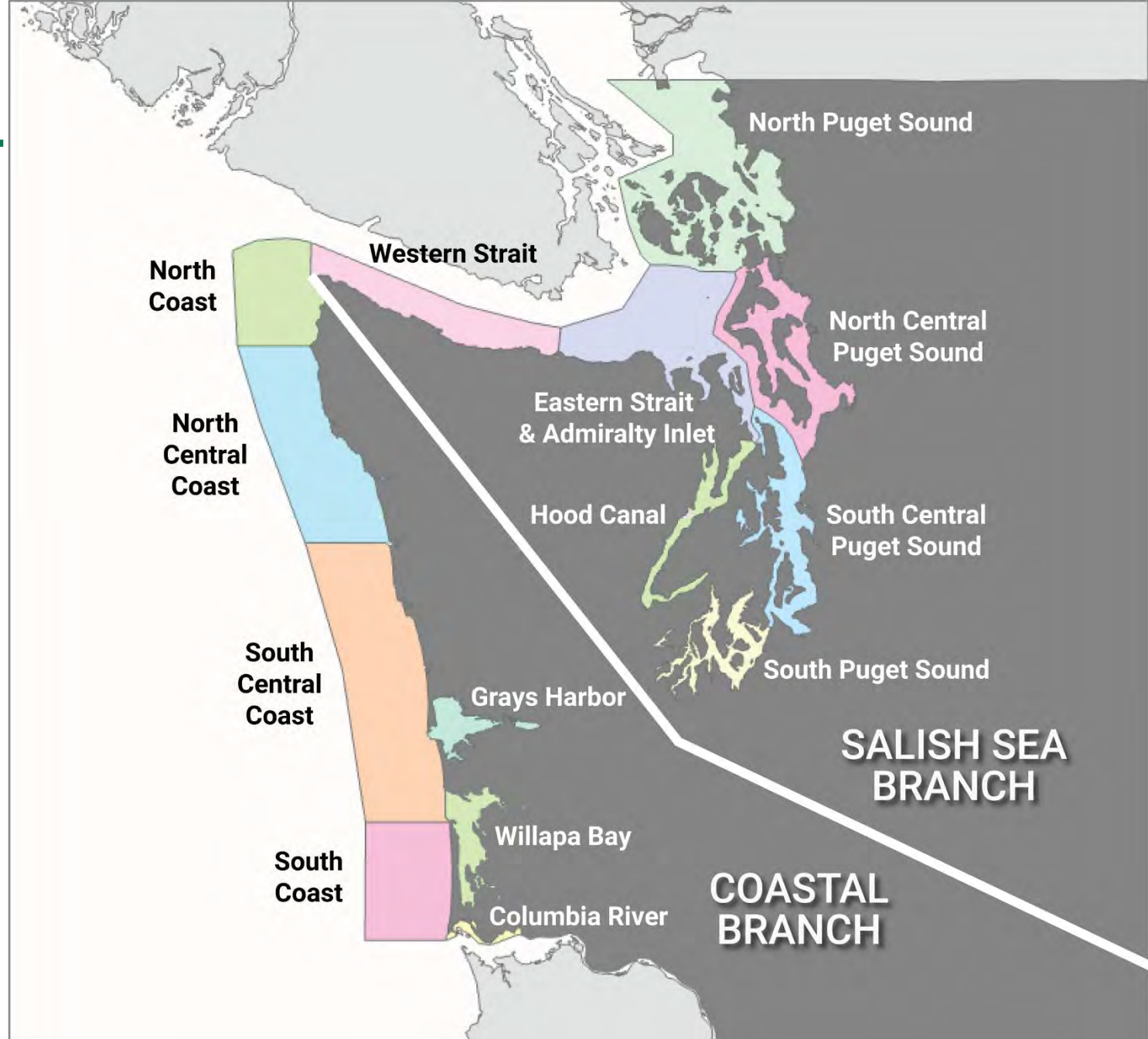
Areas of Operation

Management Branches

- Coastal Branch
- Salish Sea Branch

14 Management Areas

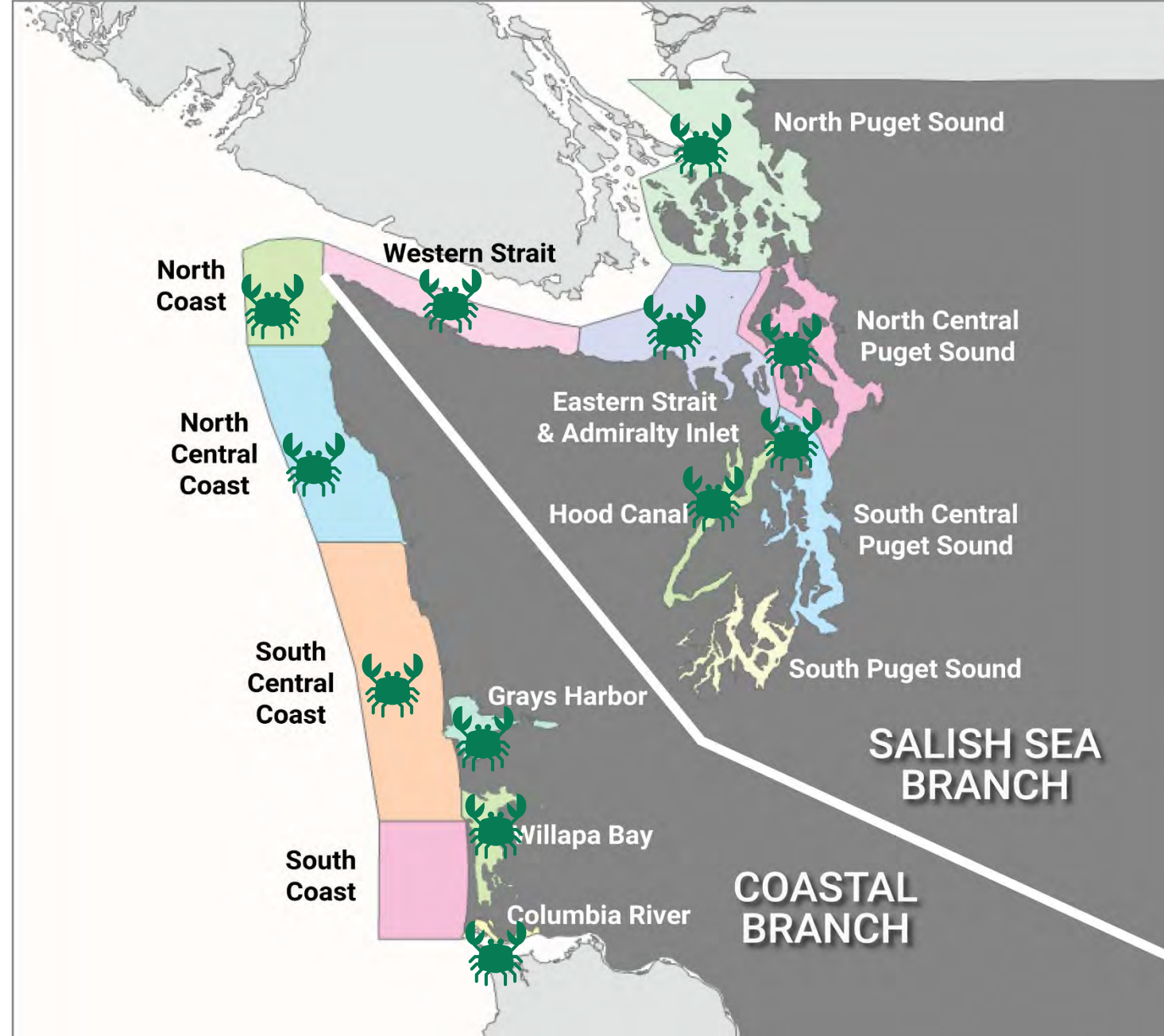
Further subdivided into
Coordination Areas, Sites
and Sub-Sites.



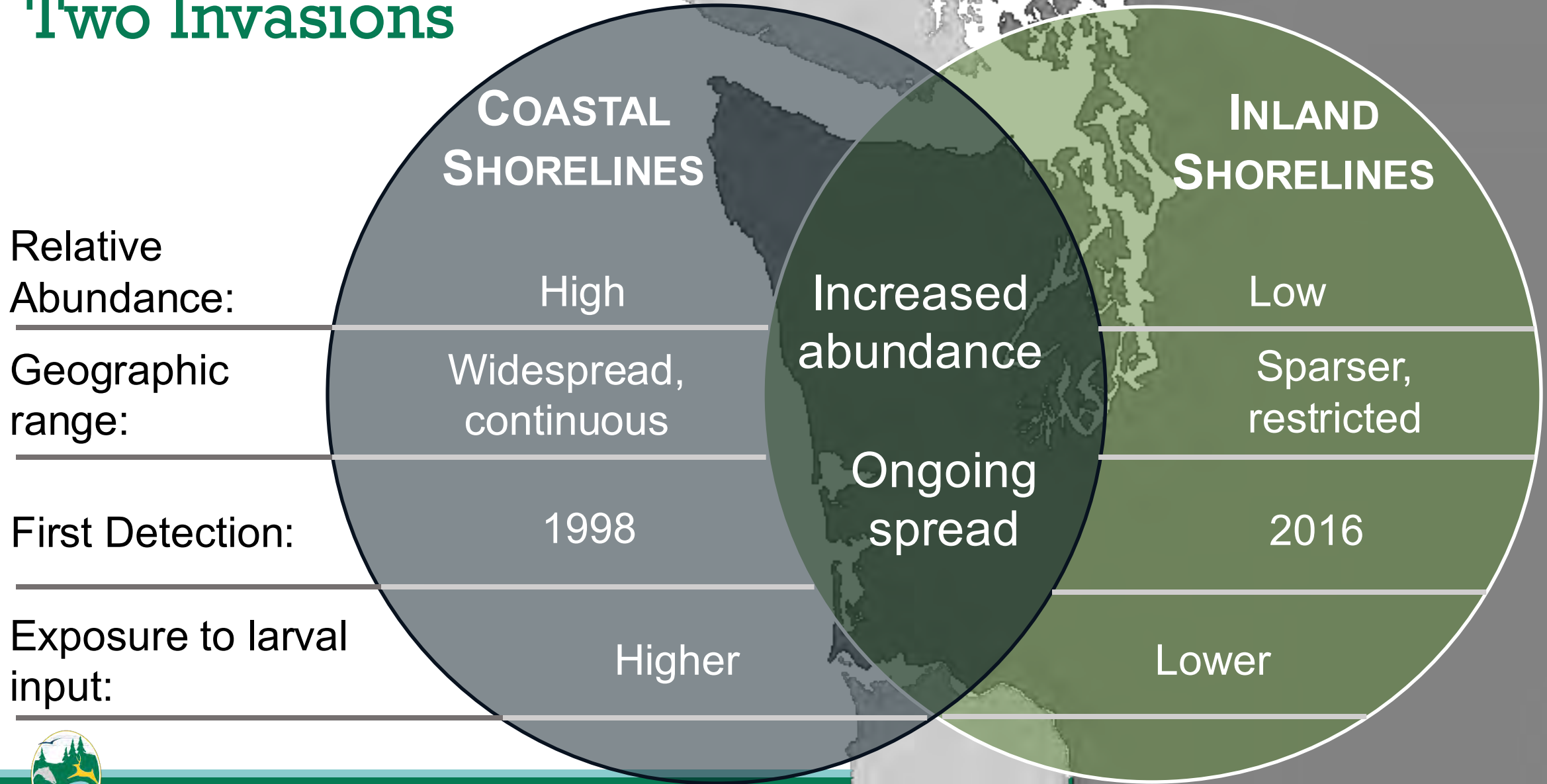
Crab numbers

Detected in 12 of 14
Management Areas

Year	Salish Sea	Pacific Coast	Total
2015	0	8	8
2016	5	19	24
2017	101	64	165
2018	77	1,115	1,192
2019	177	1,766	1,943
2020	2,858	3,971	6,829
2021	86,340	16,825	103,165
2022	81,006	204,274	285,280
2023	6,452	354,966	361,418
2024	4,568	1,044,794	1,049,362



Washington's Two Invasions



Management Actions

Early Detection:

- Detect green crabs as soon as possible

Assessment:

- Periodically assess the presence & geographic scope of a green crab population

Control:

- Reduce abundance green crabs

Long-Term Monitoring:

- Assess community over time

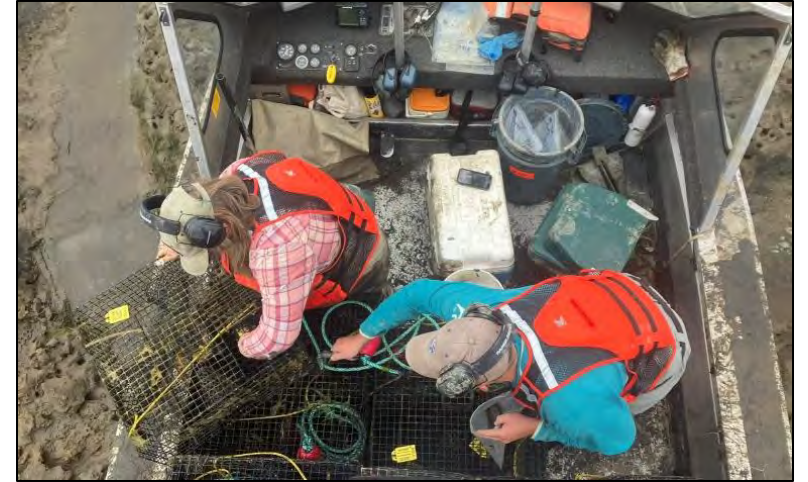
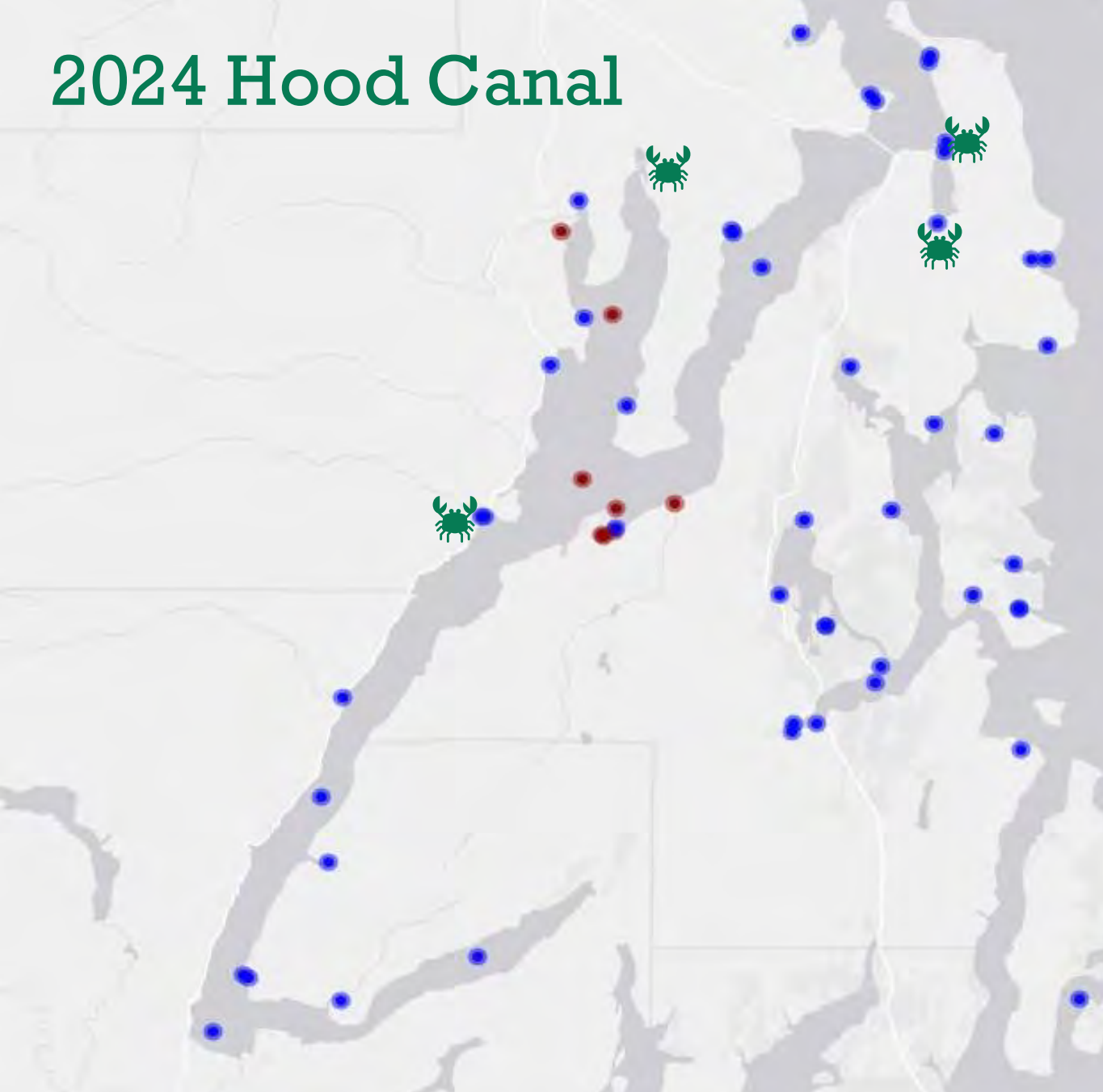


Photo by Washington State Department
of Natural Resources

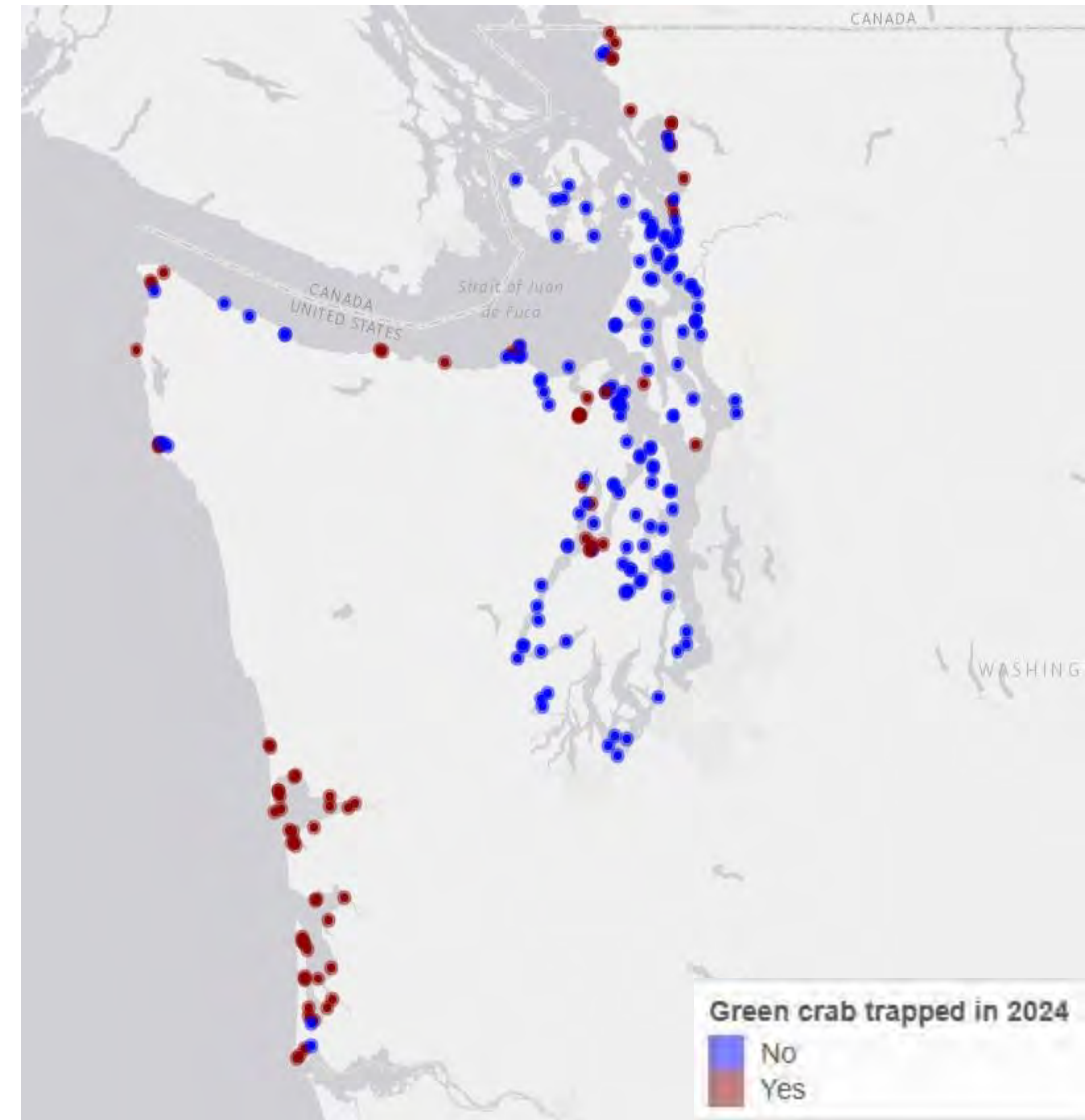




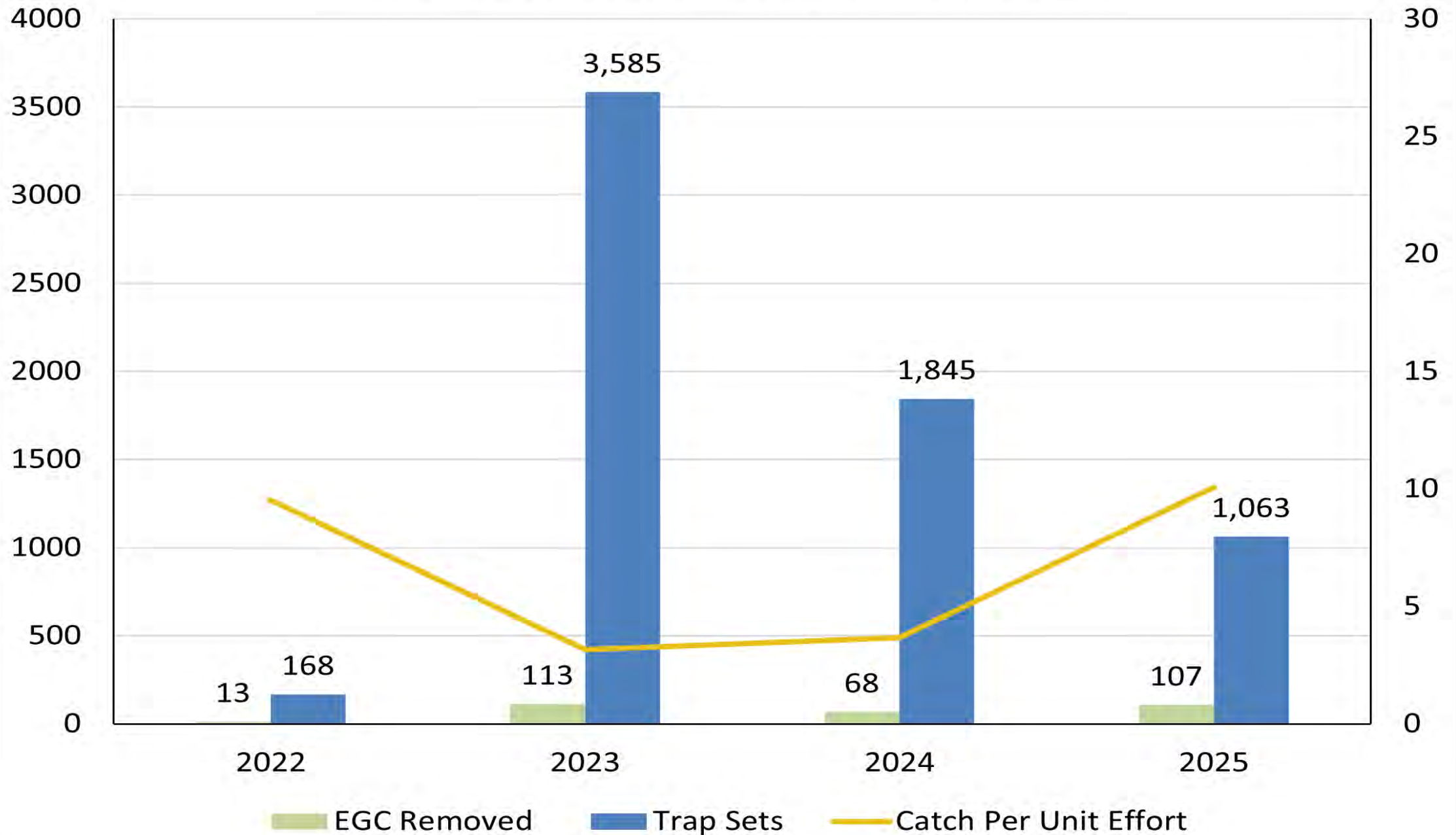
2024 Hood Canal

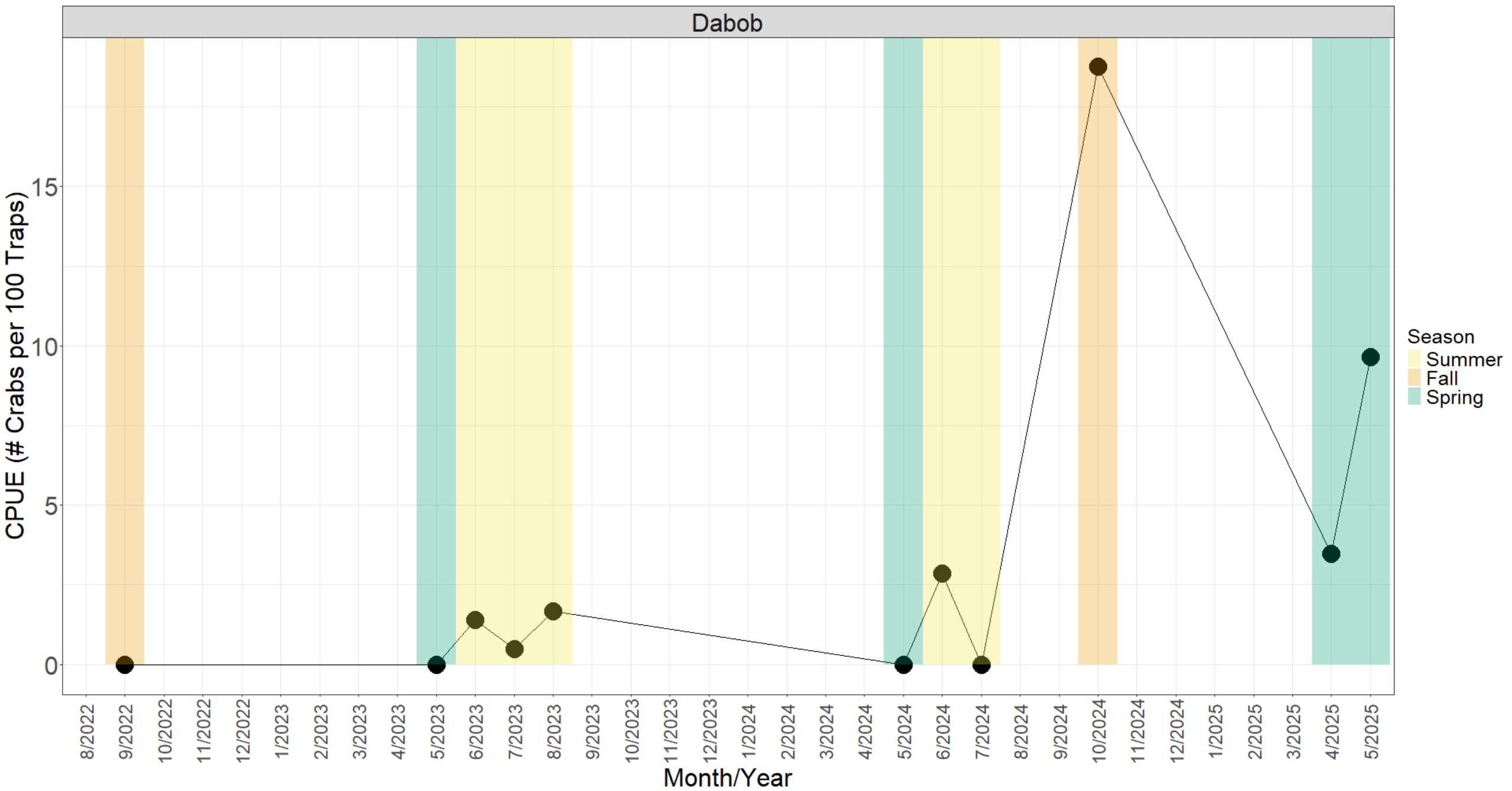


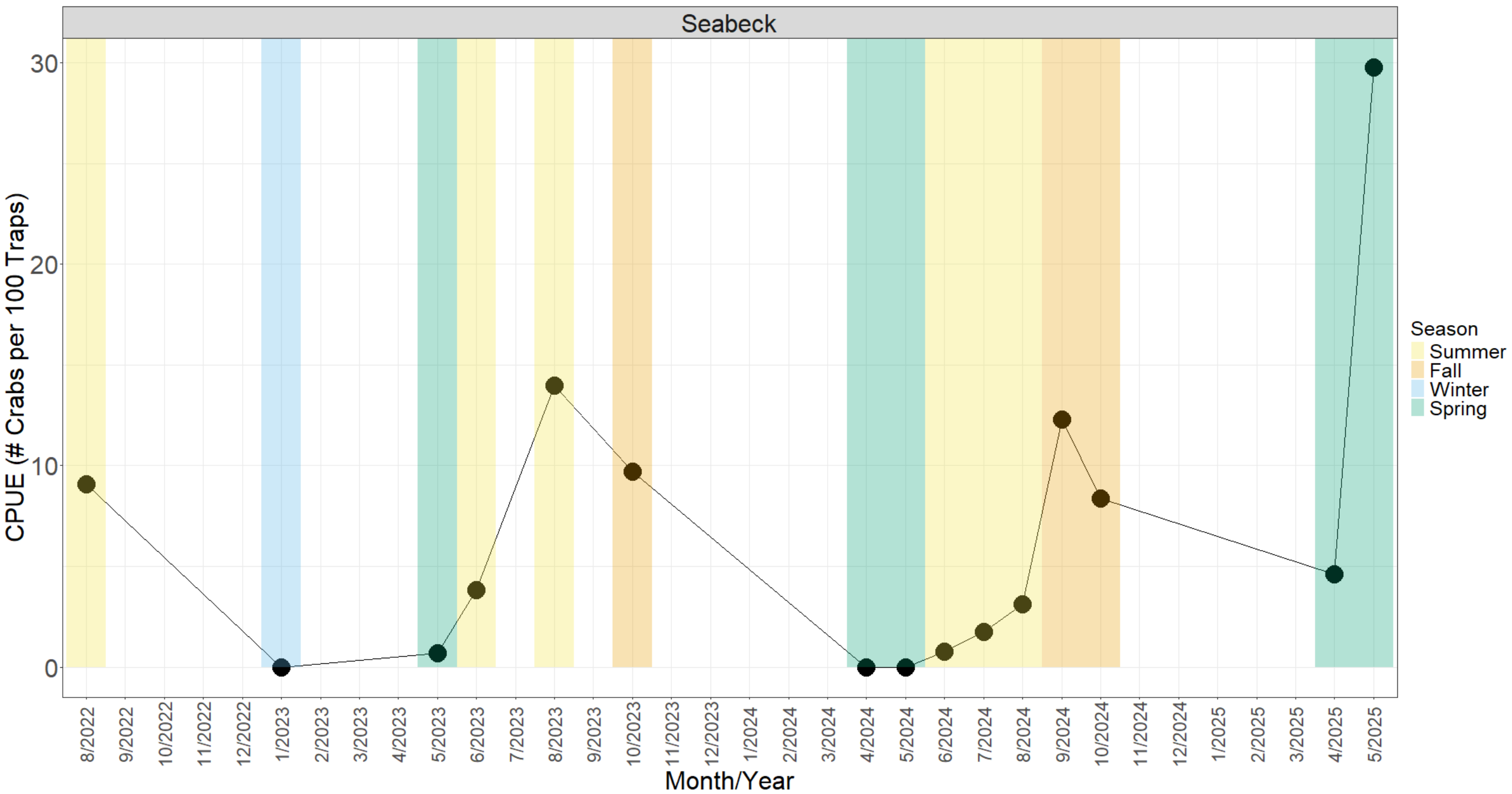
2024 Statewide Trapping



Hood Canal European Green Crab (EGC) Trends







If you remember one thing...

Green crabs remain an emergency in Washington and beyond.

Much of Washington remains uninvaded.

If you think you find one, please report it

- Online at wdfw.wa.gov/greencrab
- Via email at ais@dfw.wa.gov
- Via phone at 1-888-WDFW-AIS
- Washington Invasive Species App





Questions?

Natalie Otto
Salish Sea Regional Biologist
Natalie.otto@dfw.wa.gov



Resources



WDFW EGC Webpage

<https://wdfw.wa.gov/species-habitats/invasive/Carcinus-maenas>

Includes detailed information about EGC, public updates, outreach materials and other resources, and the emergency response coordination.



EGC Hub

<https://wdfw-egc-hub-wdfw.hub.arcgis.com/>

Includes the most recent information about catch numbers around the state and participating co-managers, tribes, and partners



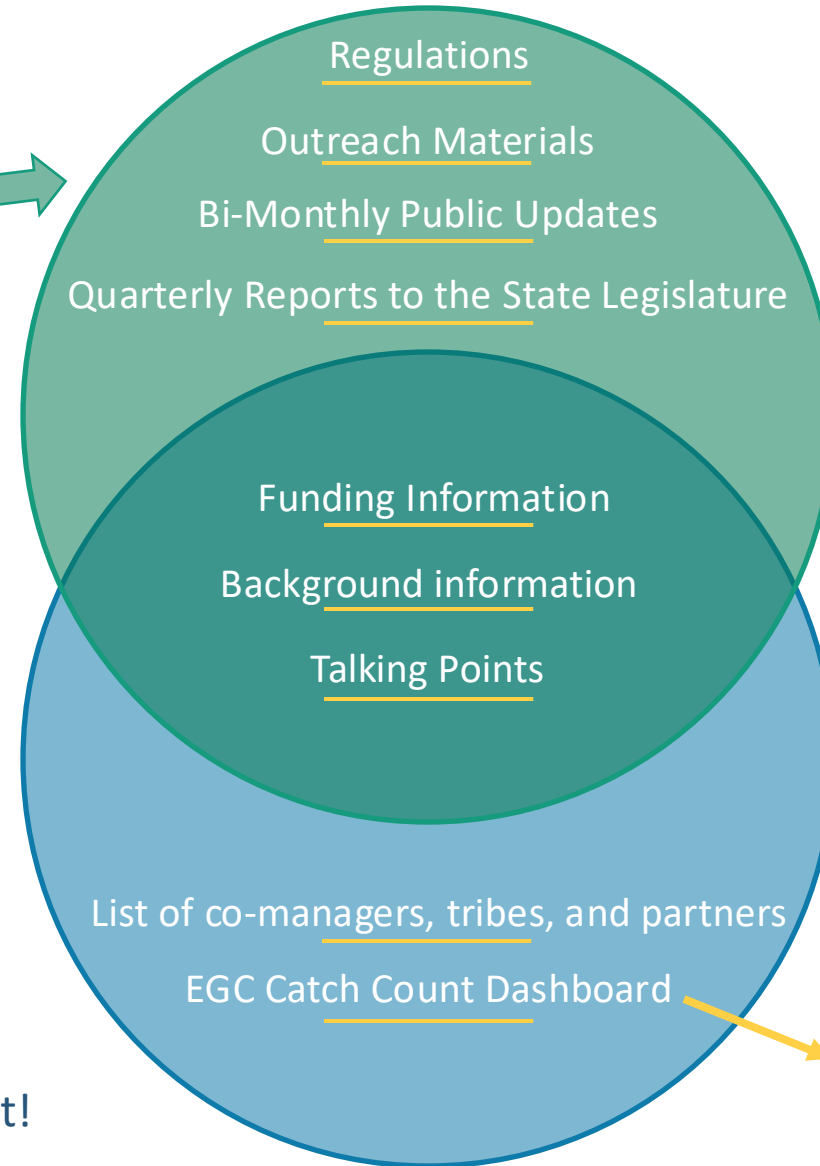
EGC Reporting Form

<https://wdfw.wa.gov/greencrab>

Webpage intended for the public including EGC reporting and identification

Sign up for the WDFW EGC Management Updates email list!

<https://wdfw.wa.gov/about/lists>



Contact

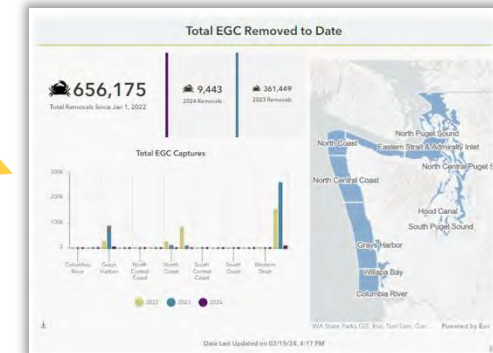
Lindsey Parker

Chase Gunnell

*Communications Manager
EGC Public Information Officer
chase.gunnell@dfw.wa.gov*

WDFW AIS Unit

1.888.WDFW.AIS
(1.888.933.9247)
ais@dfw.wa.gov





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Community Meeting

June 25, 2025, 5:00 – 7:00 pm

Innovations in Livestock Management: Virtual Fencing

Rebecca Anderson Bellanca, USDA Natural Resource Conservation Service



Natural Resources Conservation Service
U.S. DEPARTMENT OF AGRICULTURE



USDA - NRCS Fence Opportunities 2025

Rebecca Anderson Bellanca

FARM PRODUCTION AND CONSERVATION
FSA | NRCS | RMA | Business Center



Topics

- Fence - Portable Electric Fence (scenario)
- Fence - Virtual Fence (scenario)











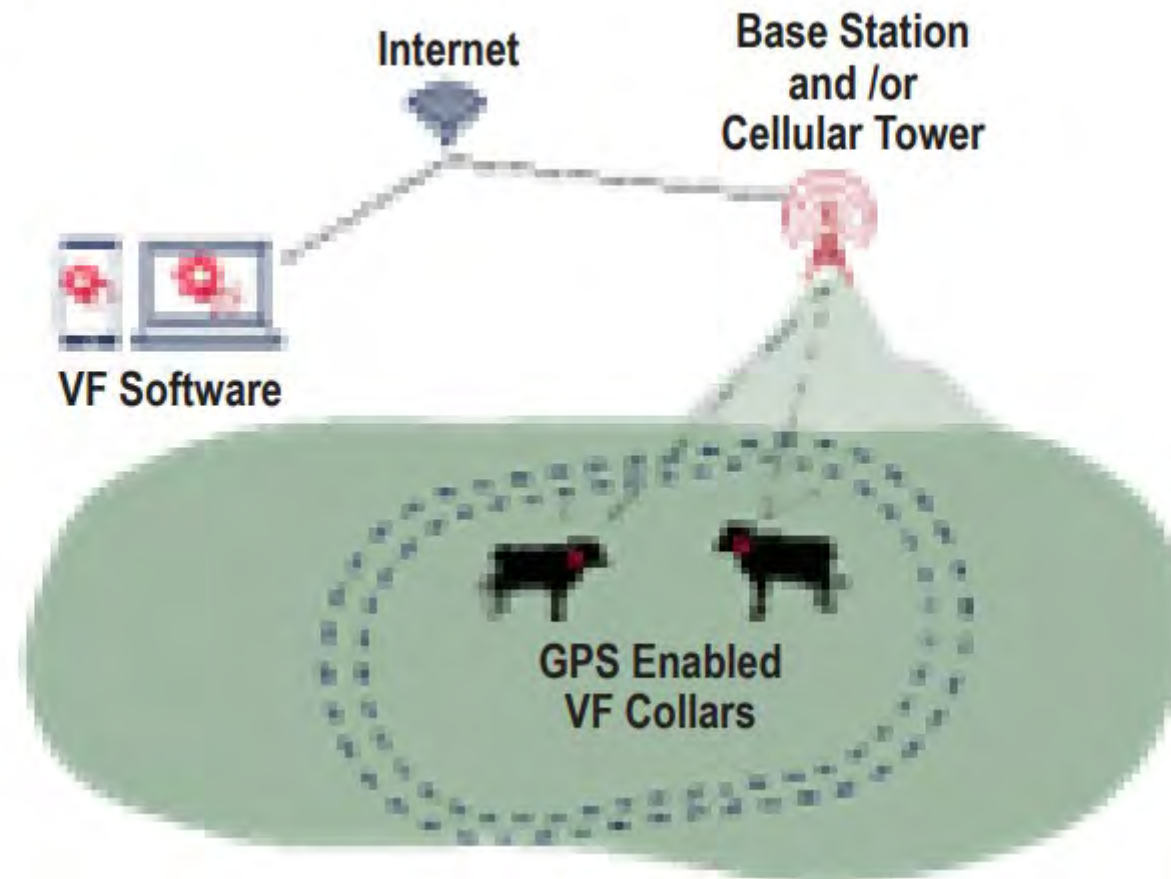


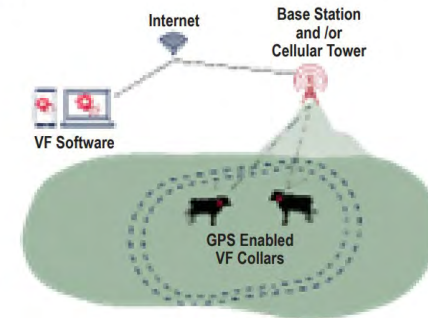




Fence – Virtual Fence

Virtual Fence

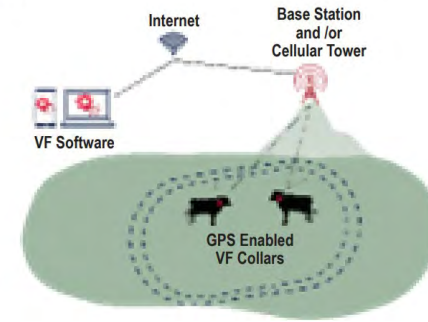




Fence – Virtual Fence

- 3 components
 - GPS
 - Collar
 - Device
- Batteries
- Cell network, internet, base stations
- Boundaries





Fence – Virtual Fence

Pros

- Increased control
- Timing, intensity, duration, frequency
- Implement grazing systems: Rotational, targeted, cover crop/aftermath, sensitive areas
- Easy to modify
- Changing ecological conditions
- Decrease labor, time, financial investments

Cons

- Technology
- Costs
- Train livestock
- Handle livestock
- Still need some physical fences
- Not 100% containment

Fence – Virtual Fence

INTRODUCTION COMPANIES AVAILABLE COMPANIES TO COME **CONCLUSI**

Base stations (price comparison)

AVAILABLE NOW		FUTURE...
<p>\$440/cow/5 years</p> <p>GALLAGHER</p>	<p>\$550/cow/5 years</p> <p>VENCE</p>	<p>\$360/cow/5 years</p> <p>Halter.</p>
<p>\$530/cow/10 years</p> <p>GALLAGHER</p>	<p>\$850/cow/10 years</p> <p>VENCE</p>	<p>\$660/cow/10 years</p> <p>Halter.</p>

2024

INTRODUCTION COMPANIES AVAILABLE COMPANIES TO COME **CONCLUSI**

Cell service (price comparison)

AVAILABLE NOW		FUTURE...
<p>\$370/cow/5 years</p> <p>GALLAGHER</p>	<p>\$557.5/cow/5 years</p> <p>Nofence</p>	<p>\$500/cow/5 years</p> <p>CORRAL</p>
<p>\$490/cow/10 years</p> <p>GALLAGHER</p>	<p>\$737.5/cow/10 years</p> <p>Nofence</p>	<p>\$750/cow/10 years</p> <p>CORRAL</p>



Washington	Mason WA EQUIP- 1	382	Fence	Virtual Fence, Startup Year One, 51 to 199 Animals	No	163.11
Washington	Mason WA EQUIP- 1	382	Fence	Virtual Fence, Startup Year One, Greater Than or Equal to 200 Animals	No	105.87
Washington	Mason WA EQUIP- 1	382	Fence	Virtual Fence, Startup Year One, Less Than or Equal to 50 Animals	No	306.48
Washington	Mason WA EQUIP- 1	382	Fence	Virtual Fence, Startup Year One, Sheep or Goat	No	259.38
Washington	Mason WA EQUIP- 1	382	Fence	HU-Virtual Fence, Startup Year One, 51 to 199 Animals	No	195.72
Washington	Mason WA EQUIP- 1	382	Fence	HU-Virtual Fence, Startup Year One, Greater Than or Equal to 200 Animals	No	127.04
Washington	Mason WA EQUIP- 1	382	Fence	HU-Virtual Fence, Startup Year One, Less Than or Equal to 50 Animals	No	367.78
Washington	Mason WA EQUIP- 1	382	Fence	HU-Virtual Fence, Startup Year One, Sheep or Goat	No	311.26



Washington	Mason WA EQIP- 1	528	Prescribed Grazing	HU-Virtual Fence Adaptive Management, Years 2-5	No	92.06
Washington	Mason WA EQIP- 1	528	Prescribed Grazing	Virtual Fence Adaptive Management, Years 2-5	No	76.72



What's the Process?

- Contact NRCS
- Field Visit
- Applications year round
- Contact FSA (Farm Service Agency)
- Create Conservation Plan

- Application Deadline and Batching

- NRCS Ranks Applications

- Notification of Funding

- Sign Contract

- Complete practices, get reimbursed

Approximate Timeline

- Anytime during the year

- October 2025

- February 2026

- March/April 2026

- June 2026

- As completed

Fence – Portable Electric

- Grazing and vegetation management
- Need grazing plan
- Manufacturer recommendations
- Electronet, polywire
- Lifespan: 10 years
- Type of system: Based on livestock, length of run, power availability
- All requirements / changes must be approved by NRCS

Fence – Portable Electric

Inventory / Plan	
Livestock type, number, herds	Bracing
Ground system (rods, rod wire, rod clamps)	Accessories (handles, guides, stands, warning signs)
Fence height	Gates
Insulators	Wire (number strands, spacing, type, splicing, tension)
Energizer	Reels (type, number, length)
Posts & spacing	Net (horizontal & vertical wires)
Tumblewheels	Conductivity description
Offsets	Number of net rolls needed, length
Wildlife structures & flagging	Grazing Plan

Fence – Portable Electric

- Reimbursement Rates – FY 2025

Washington	Mason WA EQIP- 1	382	Fence	Electric, Portable	Ft	0.79
Washington	Mason WA EQIP- 1	382	Fence	HU-Electric, Portable	Ft	0.95

Conclusion

- Fence – Portable Electric Fence (scenario)
- Fence – Virtual Fence (scenario)

Thank you!

Rebecca.Anderson@usda.gov

Sean.McDonagh@usda.gov



SKOKOMISH
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Community Meeting

June 25, 2025, 5:00 – 7:00 pm

Hood Canal Tourism

Rachel Hansen, Explore Hood Canal/Mason County Tourism Coordinator



EXPLORE HOOD CANAL & THE IMPACT OF VISITORS

DO WE NEED TOURISM?

Presented by:

Rachel Hansen, NW Event Org.

Tourism Coordinator for Mason County

June 25, 2025

An aerial photograph of a large, deep blue lake nestled between green, forested mountains. A thick layer of white, puffy clouds stretches across the upper half of the image, partially obscuring the sky. The overall scene is serene and expansive.

TO PROMOTE
COMMUNITY
confidence & growth.

economic drivers

storytellers

credible crisis managers

keepers of brand & image

PURPOSE

Meet the evolving needs of tourism



“Today’s consumers crave authentic experiences, venturing into pastimes that feel more meaningful.”





Festivals and Events 10 major and multiple regional throughout the year

Olympic National Park 2,947,503 (2023) | Olympic National Forest

Washington State Parks (7) 1648764 visitors /year | Mason County Parks (20)

Public Golf Courses (5) | Disc Golf

Extensive Trail System land and water – for biking, hiking, walking, riding, and paddling

Agritourism land and sea, including Shellfish Trail with public harvesting regularly stocked

Sports Recreation | fishing & hunting | Bird Watching

Boating and Water-based Activities

Ridge Motorsports 400+ events annually; 100K+ participants and spectators

Skydive Kapowsin 30,000+ jumps annually

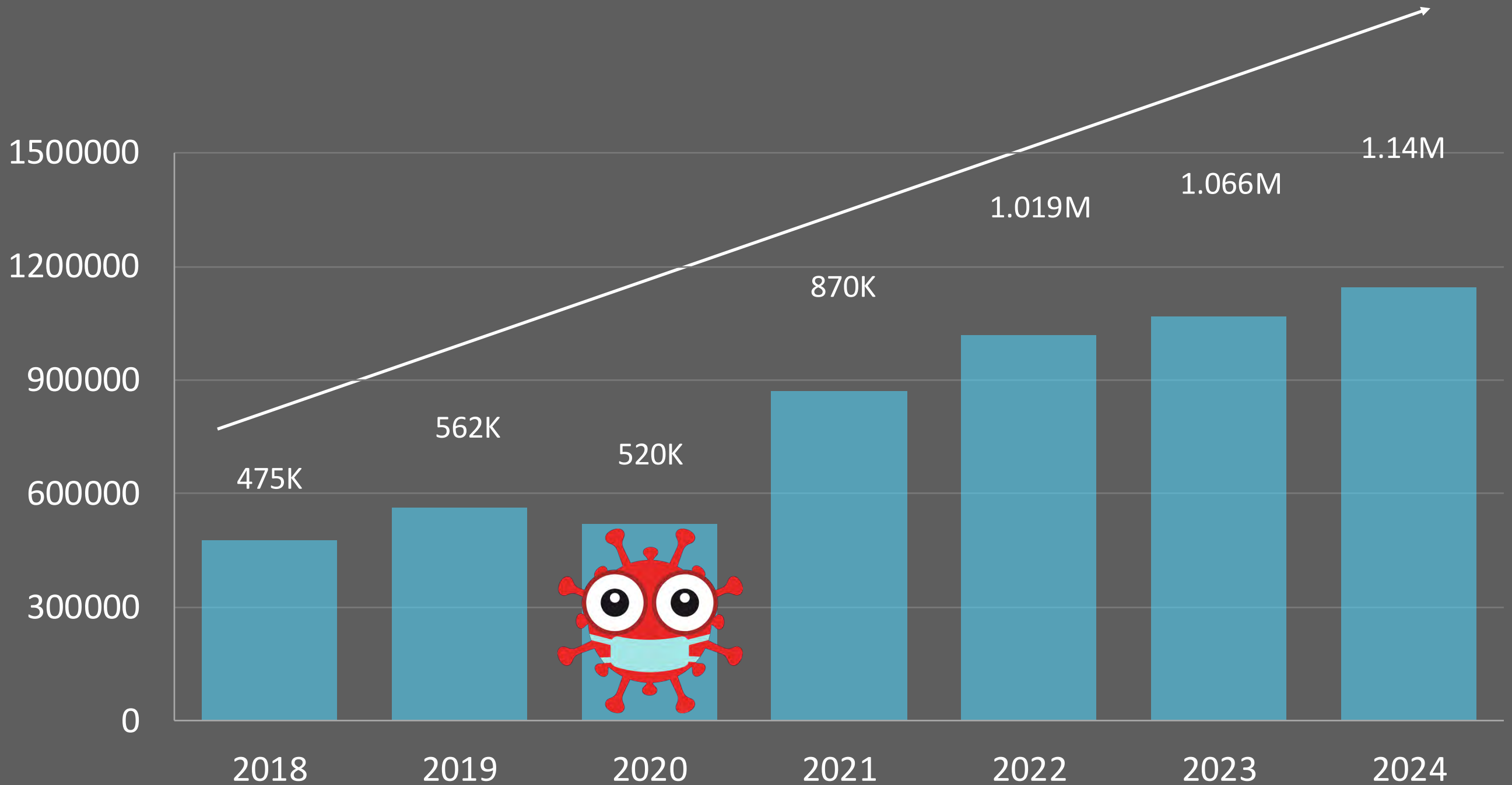
Scuba Diving unique underwater biomes on Hood Canal.

- 1 DESTINATION MARKETING:**
Improve, expand and diversify targeted seasonal promotions to elevate awareness of the Olympic Peninsula and the incredible variety of reasons to visit during every month of the year.
- 2 DESTINATION & COMMUNITY DEVELOPMENT:**
Create and/or enhance tourism infrastructure, visitor experiences, amenities and services to increase overall industry capacity to attract higher visitor spending during spring, fall and winter.
- 3 PUBLIC-PRIVATE SECTOR ALIGNMENT:**
Enhance how the tourism industry and local/regional governments work together to identify opportunities for local small business development and responsible growth around a shared vision for the future.



TOURISM

LODGING TAX
REVENUES



TOURISM

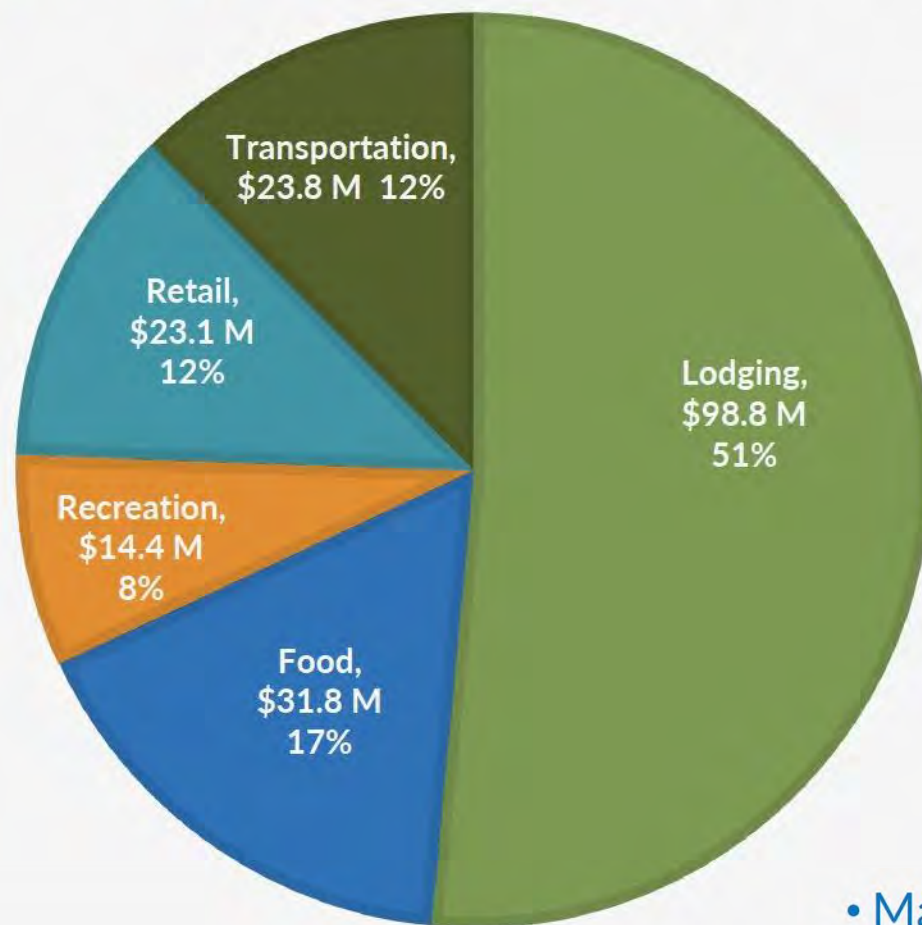
ECONOMIC IMPACT
LOCALLY

VALUE OF TOURISM TO MASON COUNTY

Visitors Save
Locals Money

DIRECT VISITOR SPENDING \$192 M

■ Lodging ■ Food ■ Recreation ■ Retail ■ Transportation



• Mason: \$492

Tax savings per county
household:

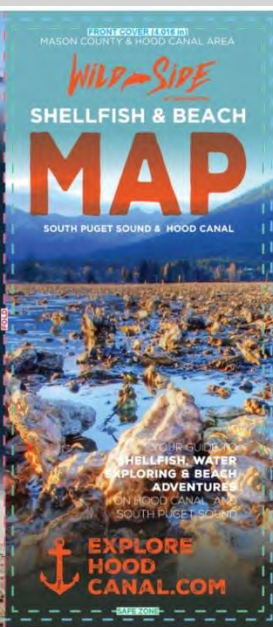
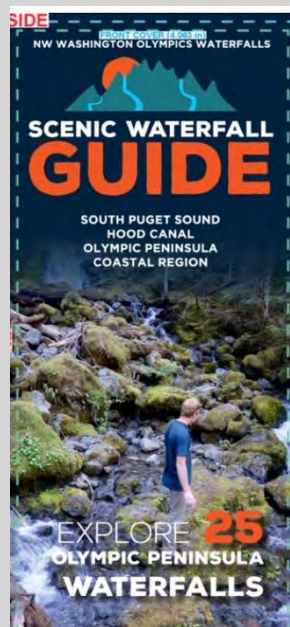
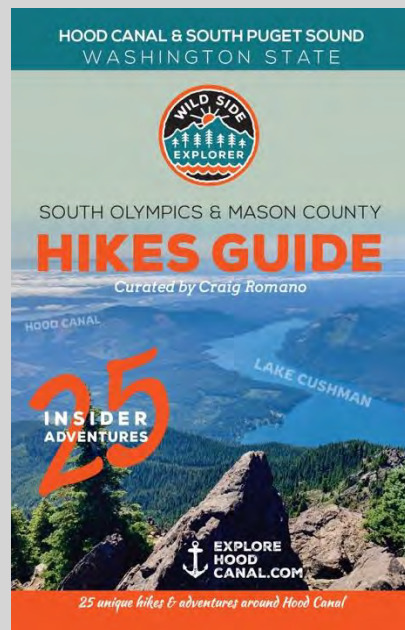
- Direct Visitor Spending: **\$192 M** (+3.9%)
 - Lodging \$98.8 M
 - Food / Beverage: \$31.8 M
 - Recreation: \$14.4 M
 - Retail: \$23.1 M
 - Transportation: \$23.8 M
- Direct State/Local Taxes Generated: **\$12.5 M**
- Visits: **1,195,000** (+1.3%)
- Direct Employment: **693**
 - Represents 3.3% of all county employment
- Direct Labor Income: **\$36.5 M**

Source: Tourism Economics for SWT



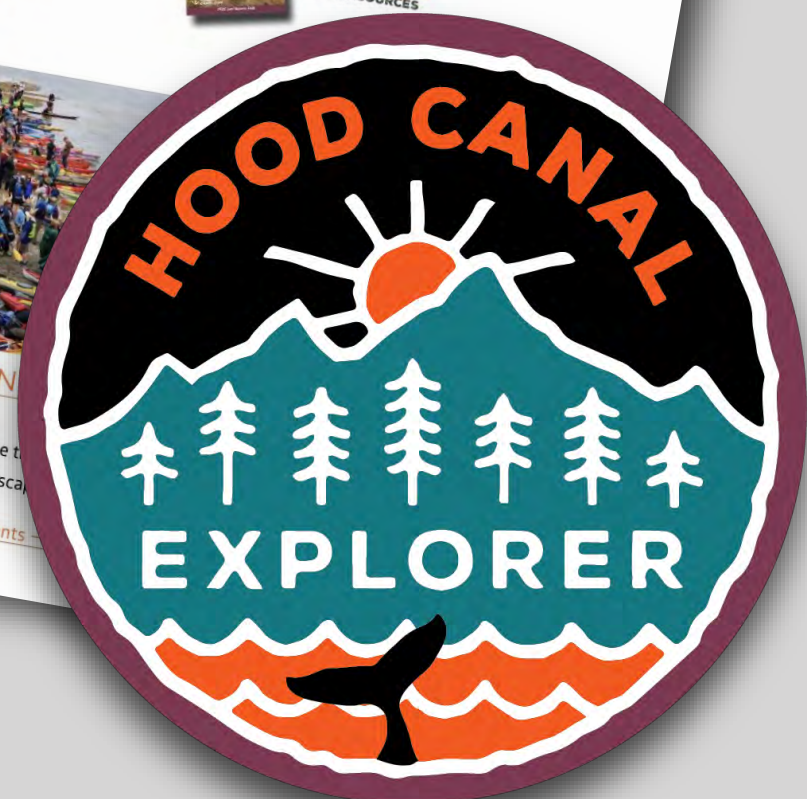
“sustaining the things we love and **need.**”

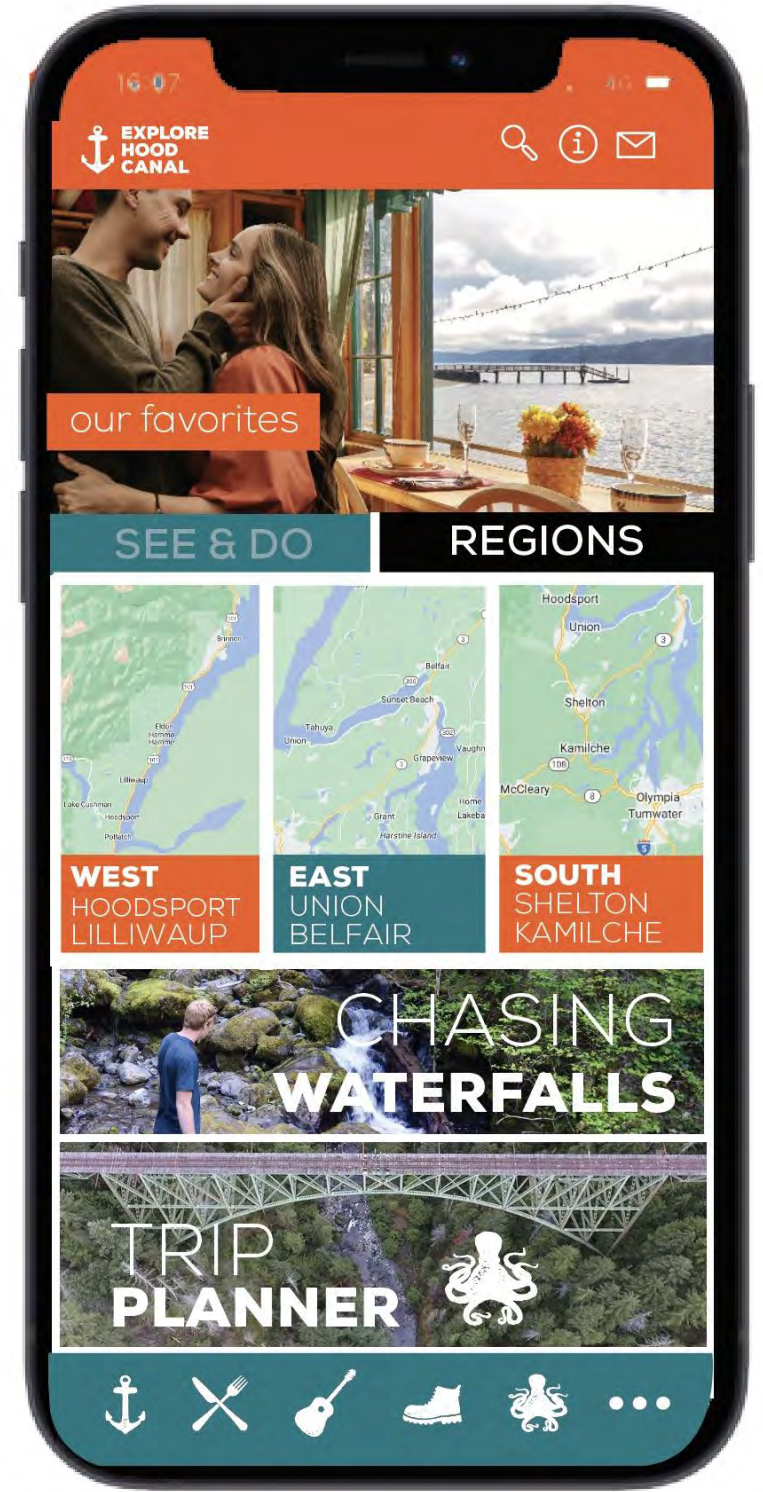
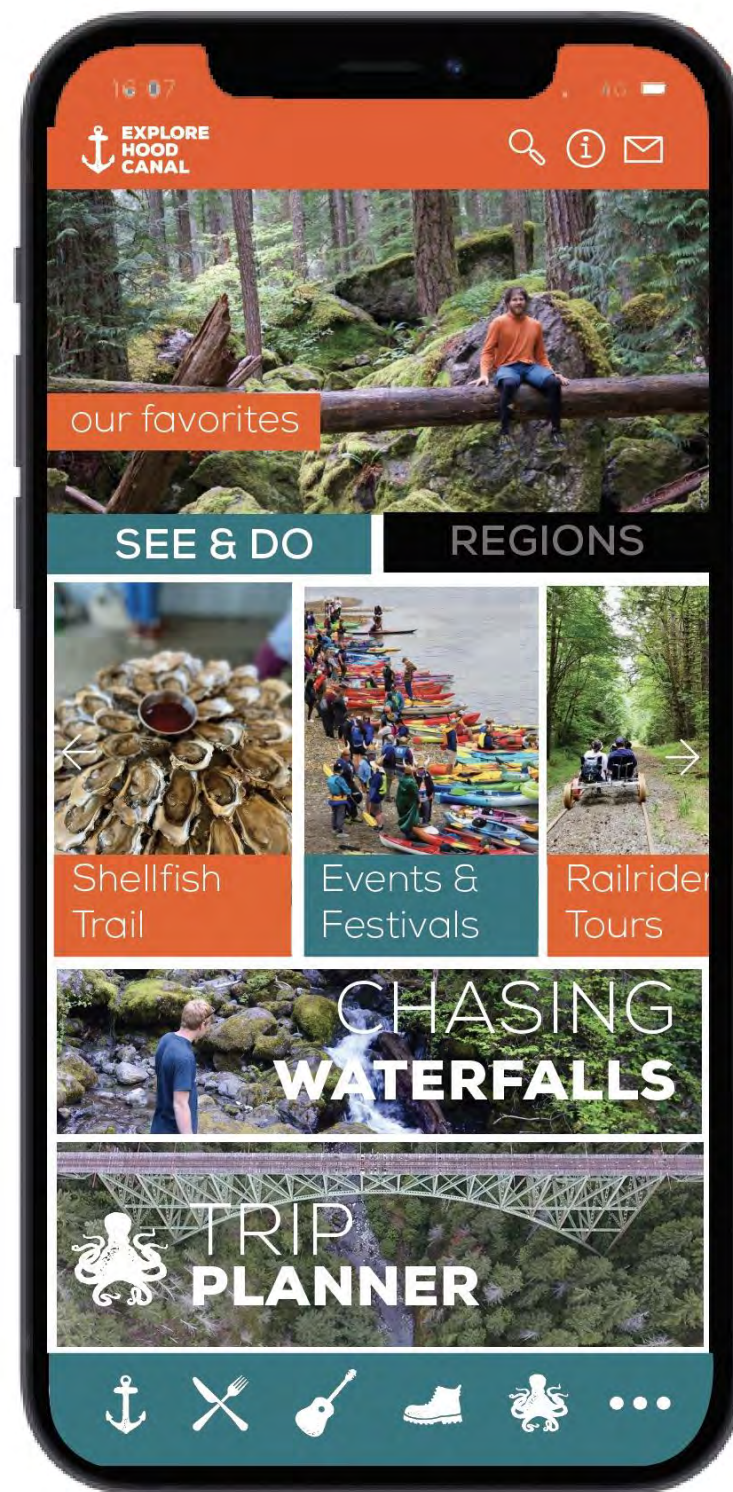
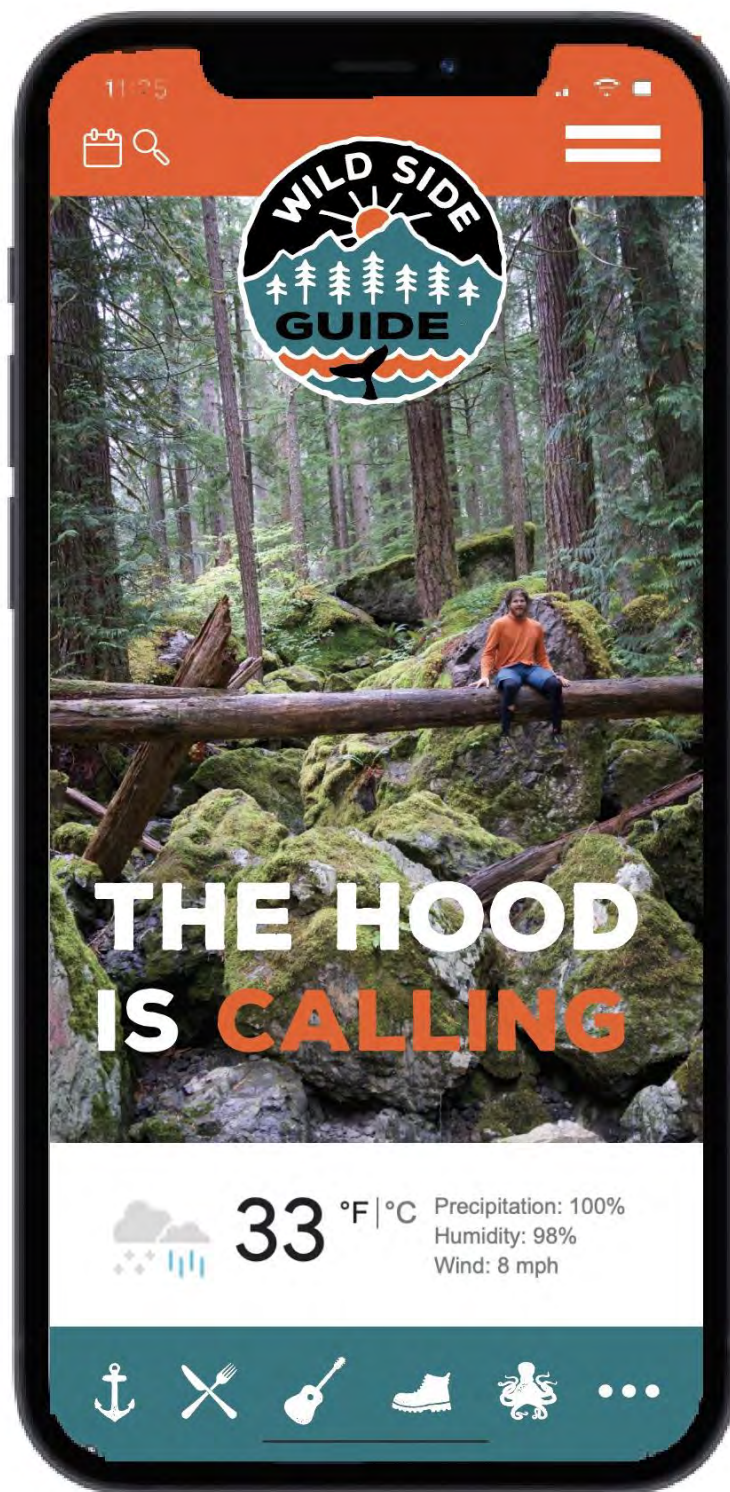




30,067
IMPRESSIONS ⓘ

20,051
IMPRESSIONS ⓘ







OCRE SEA STAR



Learn more

Mason County's Marine Creatures SEA STARS

STORY & PICTURE BY THOM ROBBINS

Starfish have no brains or blood. They digest food outside their bodies and can regrow lost arms—even a whole new starfish from one arm. There are about 2,000 sea star species worldwide, with over 30 found nearby. Starfish are echinoderms, along with sea urchins, sand dollars, and sea cucumbers. These animals have five arms (sometimes more) arranged in a radial pattern. They have an internal skeleton made of calcium carbonate plates.

Instead of blood, stars use seawater in their vascular system. This system helps them move by extending and pulling back tiny tube feet on their arms, which act like suction cups. This lets them crawl, stick to rocks, and climb. They also eat in a unique way. After opening a shell a little, they push their stomach out of their body and into the shell, turning the prey into liquid so they can suck it in. Starfish can regrow lost arms. Sometimes, a part of an arm with part of the central body can even grow into a whole new starfish.

The life of a starfish starts with spawning. During breeding, species like the Giant Pink Starfish release many sperm and eggs into the water, where fertilization happens. The fertilized eggs drift with ocean currents as plankton. When they hatch, starfish are tiny, free-swimming larvae. These larvae are small and see-through, moving with tiny hairs called cilia. After weeks or months, they change through metamorphosis, settling on the sea floor and becoming juvenile starfish. They grow their star shape and tube feet to move and find food. Some, like the Red Sea Star, can live up to 20 years.

STARFISH OR SEA STARS?

Although **"STARFISH"** remains the more popular term in everyday language, without scales, fins, and gills, **"SEA STARS"** are not actually fish. Scientists prefer to use "sea star" to reflect their nature.



Sea stars are important in coastal areas, where they keep different species in check. They can survive strong waves, heat, and dryness during low tides, but during the 2014-2016 heatwave, warmer water weakened them and made them vulnerable to sea star wasting disease. Researchers are working to fight this by breeding disease-resistant sea stars. Some places raise young sea stars in captivity and release them to boost wild populations and add stronger individuals. This disease caused a 90% drop in Sunflower Star numbers on the Pacific Coast by 2021. This shows how important it is to protect these key sea animals. Breeding resistant starfish and watching their health are vital to help them survive.

Meet just a few (of the 30) local STARS



WILD SIDE
OF WASHINGTON

EXPLORE
HOOD CANAL.COM

Mason County's Timber Heritage The Crosscut Saw

The **crosscut saw**, a key tool for felling trees and setting the Pacific coast, appeared in Europe in the mid-15th century and was made in America by the mid-1800s. It was used by two workers, known as "fellers," who each held one end of the saw. This tool had a thin blade with teeth designed to cut against the tree's grain. The fellers would carve notches into the tree and place supports called **spring** boards to help them saw. Double-headed axes created an undercut, ensuring the tree fell in a chosen direction. Sawing the tree could take up to a week, followed by the difficult job of cutting the log into movable sections.

From the 1880s to the 1930s, the two-person saws ranging from 4 to 16 feet long "ruled the woods," helping loggers topple countless firs and cedars before being replaced by chain saws by World War II and nearly became obsolete. However, the passage of the Wilderness Act in 1964 has helped restore the dying art of crosscut sawing by effectively requiring their use in wilderness trail maintenance.



EXPLORE
HOOD CANAL.COM

Mason County's Timber Heritage 'Dinky' Display – Forest Festival 1946



Shelton-Hood County Journal, June 8, 1946 - "Among the interesting features of the recent Forest Festival was the display of Simpson Company locomotives, from the first and original No. 1, 15 tons, to several of the newer and larger engines weighing up to 110 tons."



Engine No. 1, built by H. K. Porter Company, arrived in Shelton in 1885 for the Sappah Railroad. Later, the Simpson Logging Co. it was officially named "C. F. White" but was affectionately called Dinky.

Dinky was Mason County's first steam locomotive. Used for hauling logs and switching duties, it also served longer trips as a supply train and worked in logging camps to handle extra tasks without disassembling regular engines and crews. To prepare for a locomotive display at the second Forest Festival, the Simpson Logging Co. restored Dinky. "Old No. 1," the famous C. F. White, was rebuilt by Simpson Logging Company under George Drake's direction, and used Porter Company records for plans and new parts."

After the festival, Dinky was moved to Camp Grisdale, a new logging community, where it was displayed for around 40 years.

In 1985, Camp Grisdale was demolished, leaving Dinky without a place. Dave Stagen, a locomotive engineer, and Bill Parsons decided to restore the displayed in downtown Shelton during the 1989 Forest Festival.

In 1995, at 110 years old, Dinky was moved to Auburn, where it was displayed with a caboose and boiler car outside the Supermarket of the North. When it was transported by truck to the Mount Rainier Scenic Railroad in Elbe.

EXPLORE
HOOD CANAL.COM



Mason County's Marine Creatures Meet the Giant Pacific Octopus (GPO)

STORY & PICTURE BY THOM ROBBINS

The GPO (*Ectopodops dofleini*), at depths of up to 8,600, is a large and mysterious octopus species. Though they live only 3-5 years, they are among the longest living octopuses, at up to 16 and over 100 pounds.

Giant Pacific possess cognitive skills akin to a two-year-old child, with the dexterity of opening jars. Their central brain and arm neural hubs allow for complex behaviors and independent movement.

Their diet includes crabs, shrimp, clams, fish, and mussels, even sharks, consuming 2-3% of their body weight daily. The Giant Pacific Octopus (GPO) changes color like seahorses and lizards. This ability allows it to be a master of camouflage. Facilitated by pigment cells beneath the skin that connect to the nervous system for precise control, muscular contractions adjust shade - expanding for darker colors or contracting for lighter.

Blue blooded, they have eight arms, three hearts, and a complex nervous system. Two hearts pump blood through the gills and the third circulates it. The octopus's mouth is a beak that acts like scissors, capturing and cutting prey. Saliva secretes corrosive liquid that softens shells for easier access.

GPOs move primarily by walking and swimming. On the seafloor, they walk using their arms. They swim by drawing water into their mantle and expelling it through a siphon, a process called jet propulsion. Their suckers are capable of holding up to 35 pounds each. With about 280 suckers per arm and eight arms, they can lift around 78,400 pounds.

The lifecycle of the Giant Pacific Octopus features intricate mating rituals where the male performs a dance and transfers sperm. The female stores the sperm, allowing her to choose the time based on conditions and health. After mating, she retreats to her den to lay up to 74,000 eggs. Eggs incubate for up to a year. As eggs mature, the female's health declines, until she dies. Once hatched, larvae drift in the ocean currents during the planktonic stage. They grow and avoid predators before settling on the ocean floor, where they begin their solitary lives.

Giant Pacific Octopus are key species of the Pacific Northwest and faces significant environmental threats to its survival. As a symbol of marine life, the Giant Pacific reflects intelligence, adaptability, as well as ecological importance.



"ENCOUNTERING A GIANT PACIFIC OCTOPUS CURLED AMONG THE ROCKS IS AN UNFORGETTABLE EXPERIENCE. THIS INTIMATE GLIMPSE OF ONE OF THE OCEAN'S MOST INTELLIGENT CREATURES LEAVES A PROFOUND SENSE OF AWE AND A DEEP APPRECIATION FOR THE MYSTERIES OF THE MARINE WORLD."

YES. WE DO.





SKOKOMISH
WATERSHED
ACTION TEAM

Community Meeting

June 25, 2025, 5:00 – 7:00 pm

Mason County Water Quality Update

Noah Roland, Mason County Public Health

Michael Marrs, Mason County Public Health



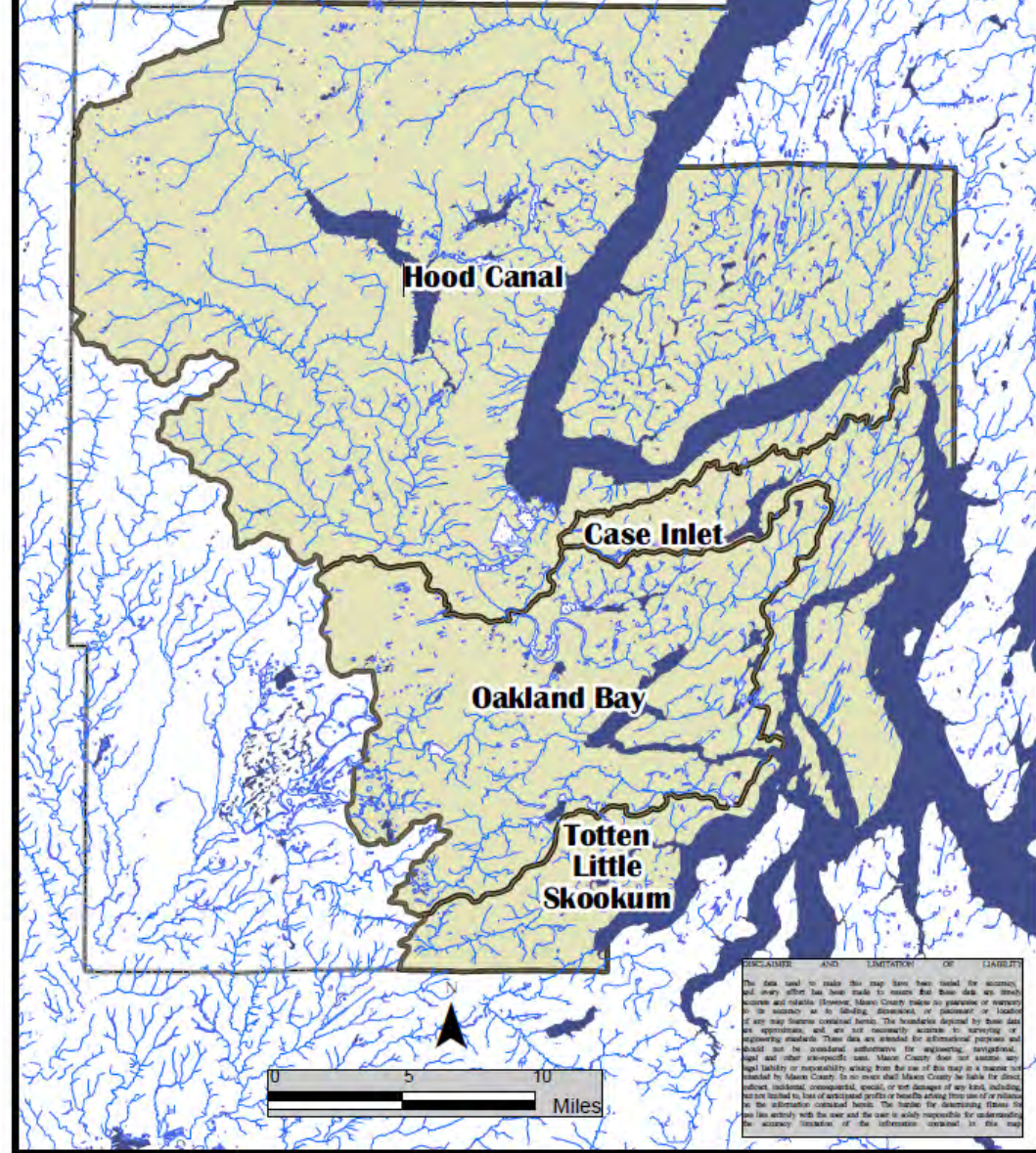
MASON COUNTY

Public Health & Human Services

Mason County Clean
Water District

Michael Marrs & Noah
Roland

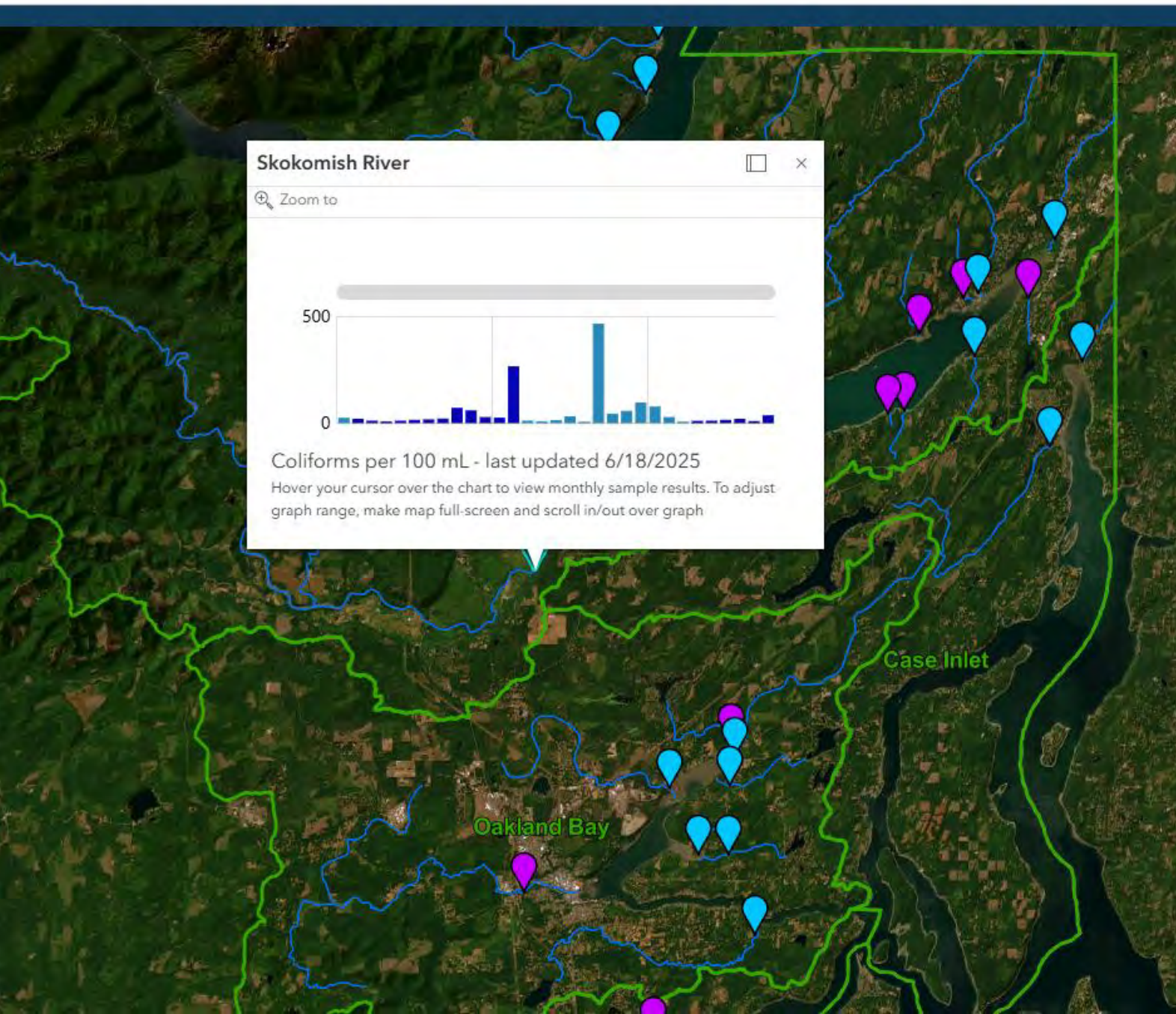
Mason County Clean Water District Attachment A



What We DO:

- Collect monthly ambient water samples from 33 streams throughout the Clean Water District
- Conduct Water Quality Surveys
- Conduct shoreline surveys twice a year
- Follow up with Septic Deficiencies within proximity to surface water
- Conduct Voluntary Dye Tests for suspect failing septic systems
- Collaboration with DOH, Ecology, WDFW, Local Tribes and others





Ambient Monitoring Web Map



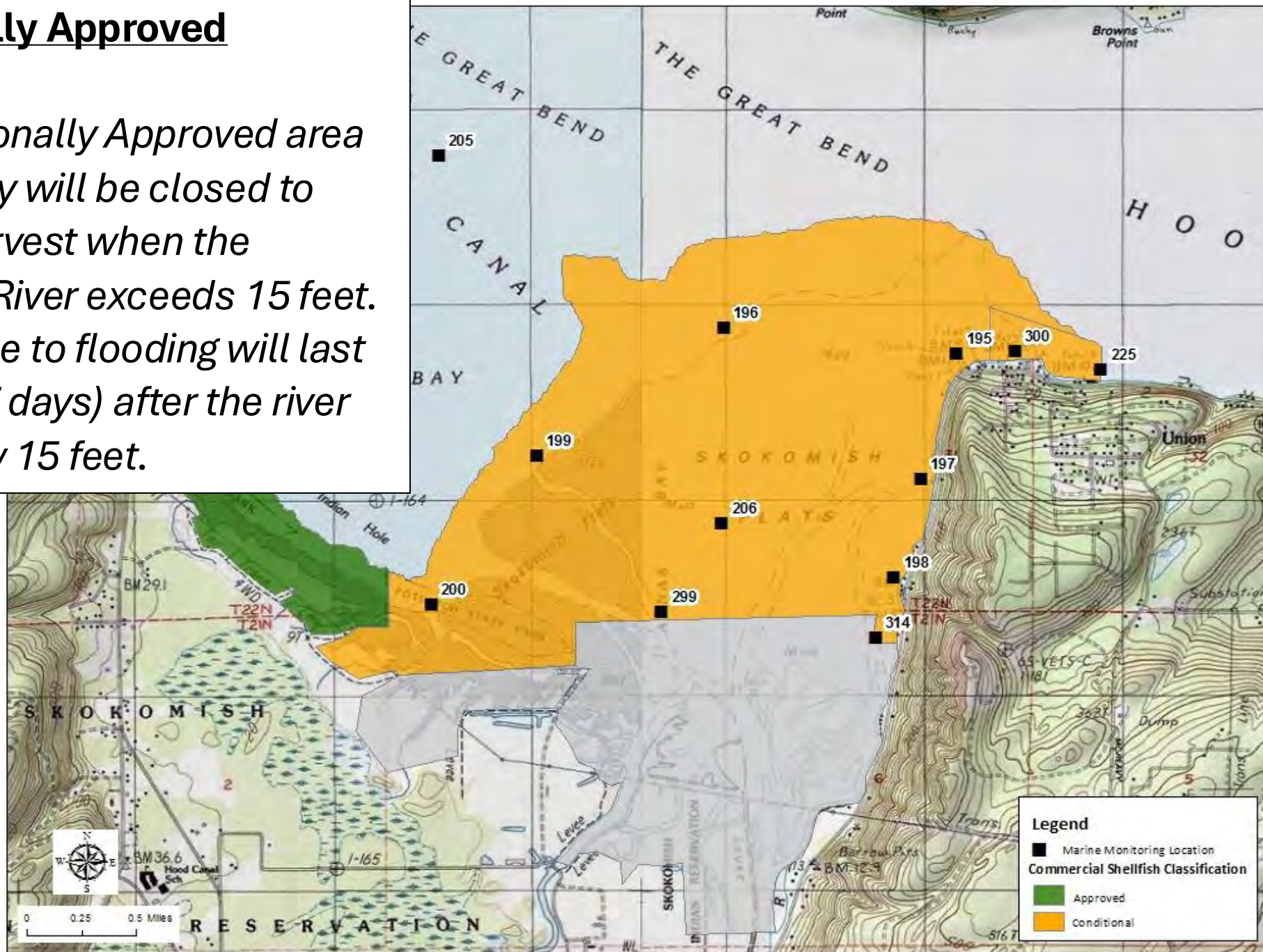
Mason County, WA



Conditionally Approved

Condition:

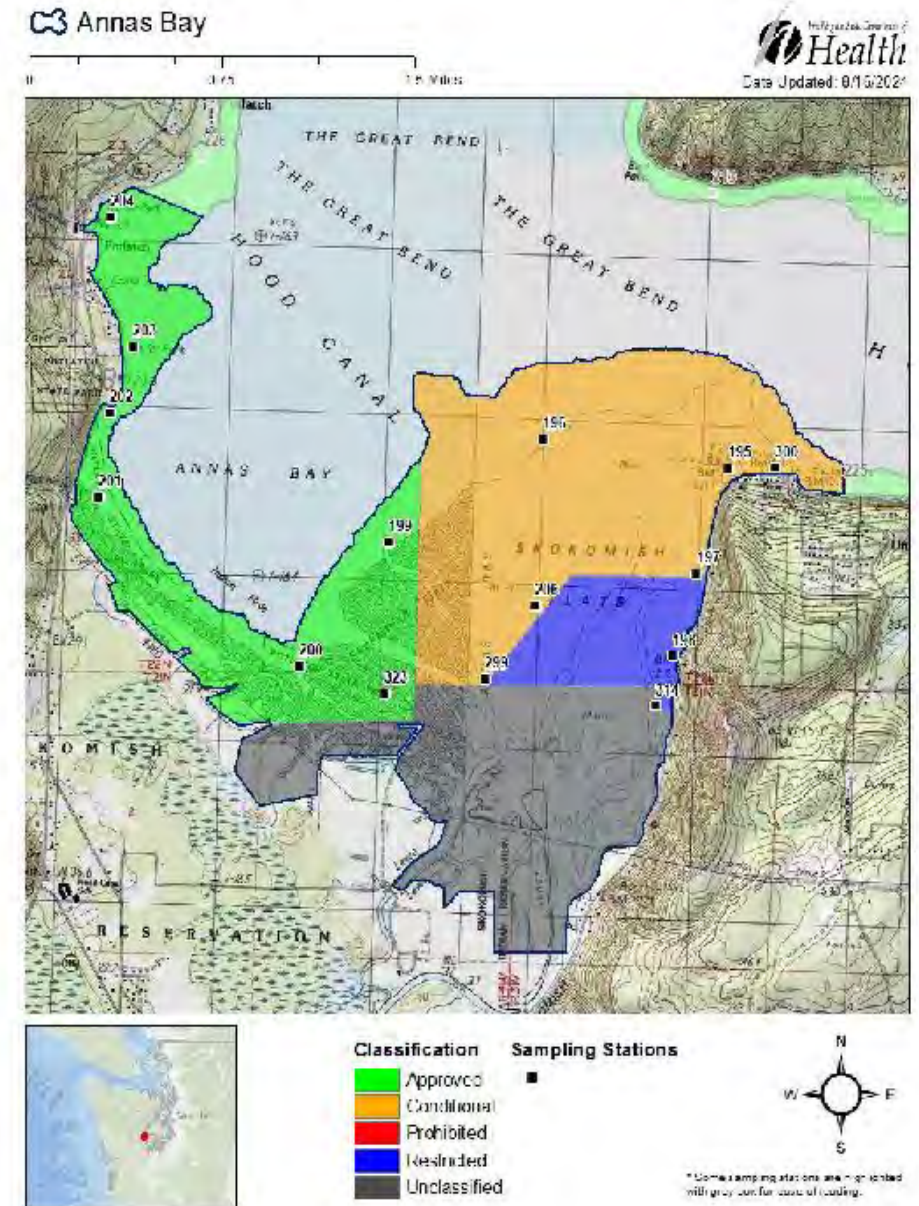
The Conditionally Approved area of Annas Bay will be closed to shellfish harvest when the Skokomish River exceeds 15 feet. Closures due to flooding will last one week (7 days) after the river drops below 15 feet.



Current Shellfish Conditions

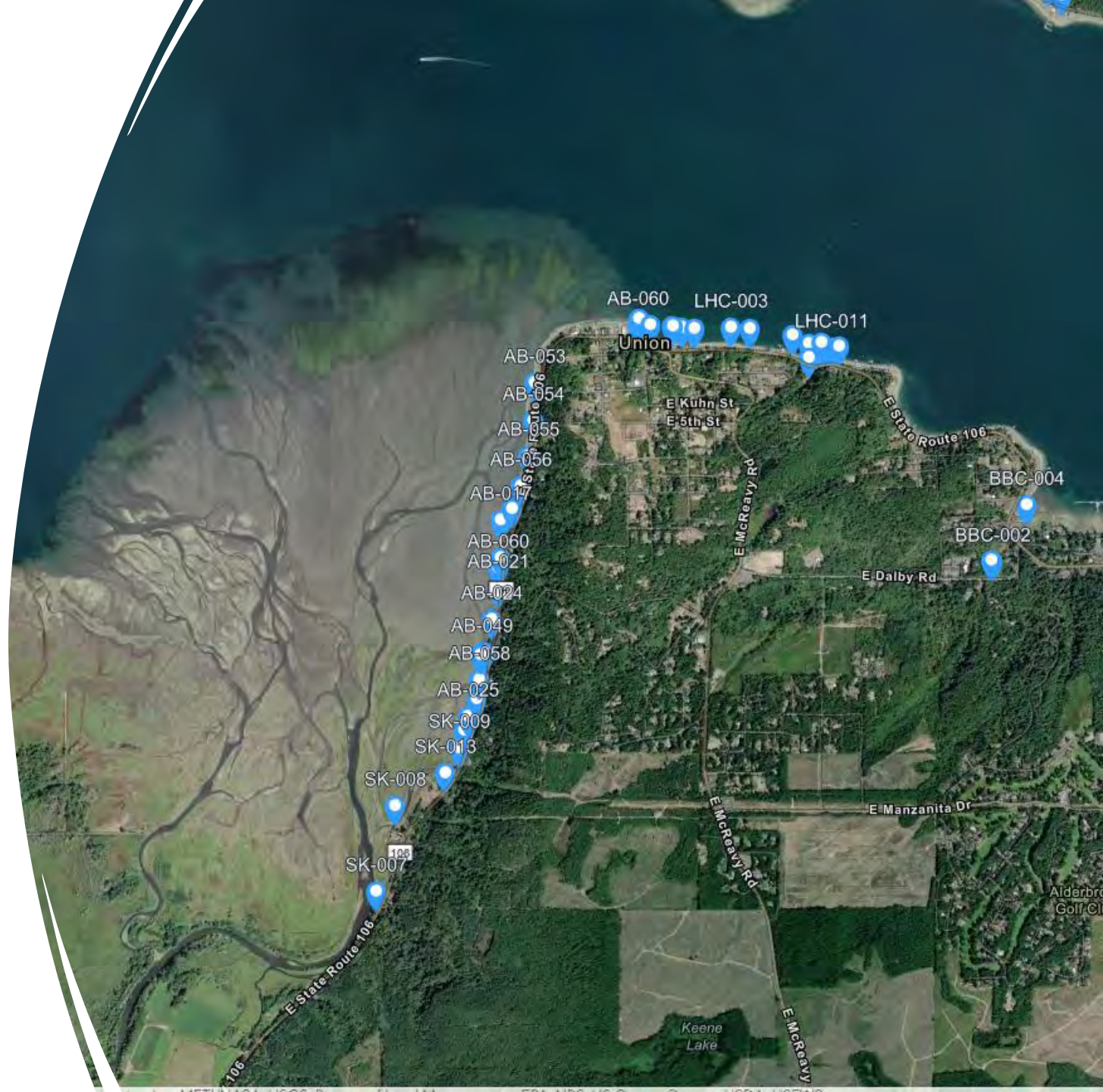
- State Department of Health was able to open a significant portion on the West side.
- There are still deficient systems on the shoreline that need to be resolved.
- With more Data and decreased pollution Annas Bay will continue to improve.

MAP 1. Annas Bay Growing Area



Recent Data

- Sampled 25 outflows in April.
- 1 came back above limits in initial sampling.
- Well below limit in confirmation sampling.
- Next shoreline survey planned for July or Early August.



STRATEGY FOR ANNAS BAY



Monitor Marine & Fresh Water Quality



Control OSS Pollution Sources



Control Agricultural Pollution



Education & Outreach

Onsite Sewage Maintenance Schedule and Approved Service Providers

<i>Septic System Type</i>				
Conventional Gravity	Conventional Pressure & Open Bottom Sandfilter	Mound & Sandfilter	ATU, Glendon, Recirculating Gravel Filter, Sub-Surf. Drip & Community Drainfield	Non-Residential Commercial
<i>Inspection Frequency</i>				
Every 3 years	Annually	Annually	Annually	Annually, Testing may be required.
<i>Approved Service Providers</i>				
Homeowner, Pumper, O/M Specialist	Homeowner, Pumper, O/M Specialist	Homeowner, O/M Specialist	O/M Specialist, Proprietary Device Licensee	O/M Specialist

The screenshot shows a web form titled "Site Searches" with the following fields and annotations:


- Country:** Dropdown menu set to "United States".
- State:** Dropdown menu set to "Washington".
- County:** Dropdown menu set to "Mason". A red arrow points to this field with the text "Select Mason County".
- Search For:** Dropdown menu set to "Site Address".
- Street Number:** Input field containing "1492". A red arrow points to this field with the text "1492".
- Street Name:** Input field containing "Eells Hill". A red arrow points to this field with the text "Eells Hill".
- Search Statewide:** A checkbox that is currently unchecked.
- Instructions:** A grey box containing the text: "For STREET NAME Do NOT enter Street Direction (E,W,N,S) or Street Suffix (St., Ave., Blvd., etc.)."
- Exact Match Only:** A checkbox that is currently unchecked.
- Submit Search:** A yellow button.













If your address was 1492 W Eells Hill Rd, you enter: 1492 Eells Hill

OnlineRME.com

Service History

Service History

To receive an email when a report is submitted click here 

Date	Report Type	Type	Status	Company	Report	Email Report
04/16/21	PUMPING	PUMP	Deficient	B-LINE CONSTRUCTION & EXCAVATION		
10/15/19	OSS Inspection	PROPERTY SALE	Deficient	AAA Septic LLC		
09/05/19	OSS Inspection	PROPERTY SALE	Deficient	Bamford Septic Repair, LLC		
02/13/17	Pumping	Historic: Pumping	OK	AAA Septic Pumpers		
07/25/11	Pumping	Historic: Pumping	OK	Northwest Cascade, Inc./dba Flohawks		
03/26/07	Pumping	Historic: Pumping	OK	Joes Septic Tank Service		

1



SKOKOMISH
WATERSHED
ACTION TEAM

Community Meeting

June 25, 2025, 5:00 – 7:00 pm

Skokomish River Restoration Update and Looking Forward for SWAT

Evan Bauder, Mason Conservation District

Skokomish Confluence Reach Restoration

SWAT

06/25/2025

Evolution of the Confluence Reach



Evolution of the Confluence Reach



Evolution of the Confluence Reach



Evolution of the Confluence Reach

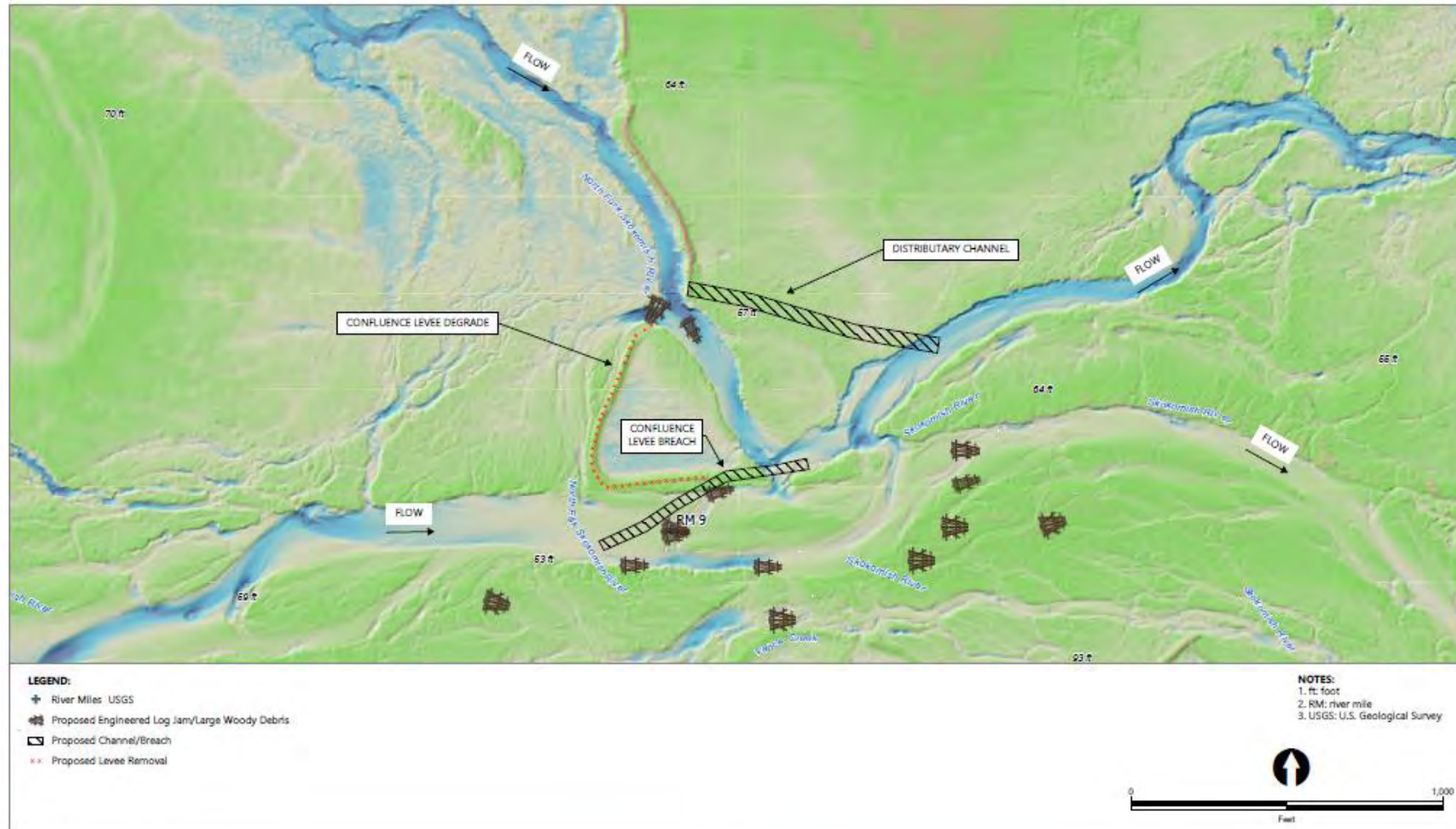


Existing Conditions



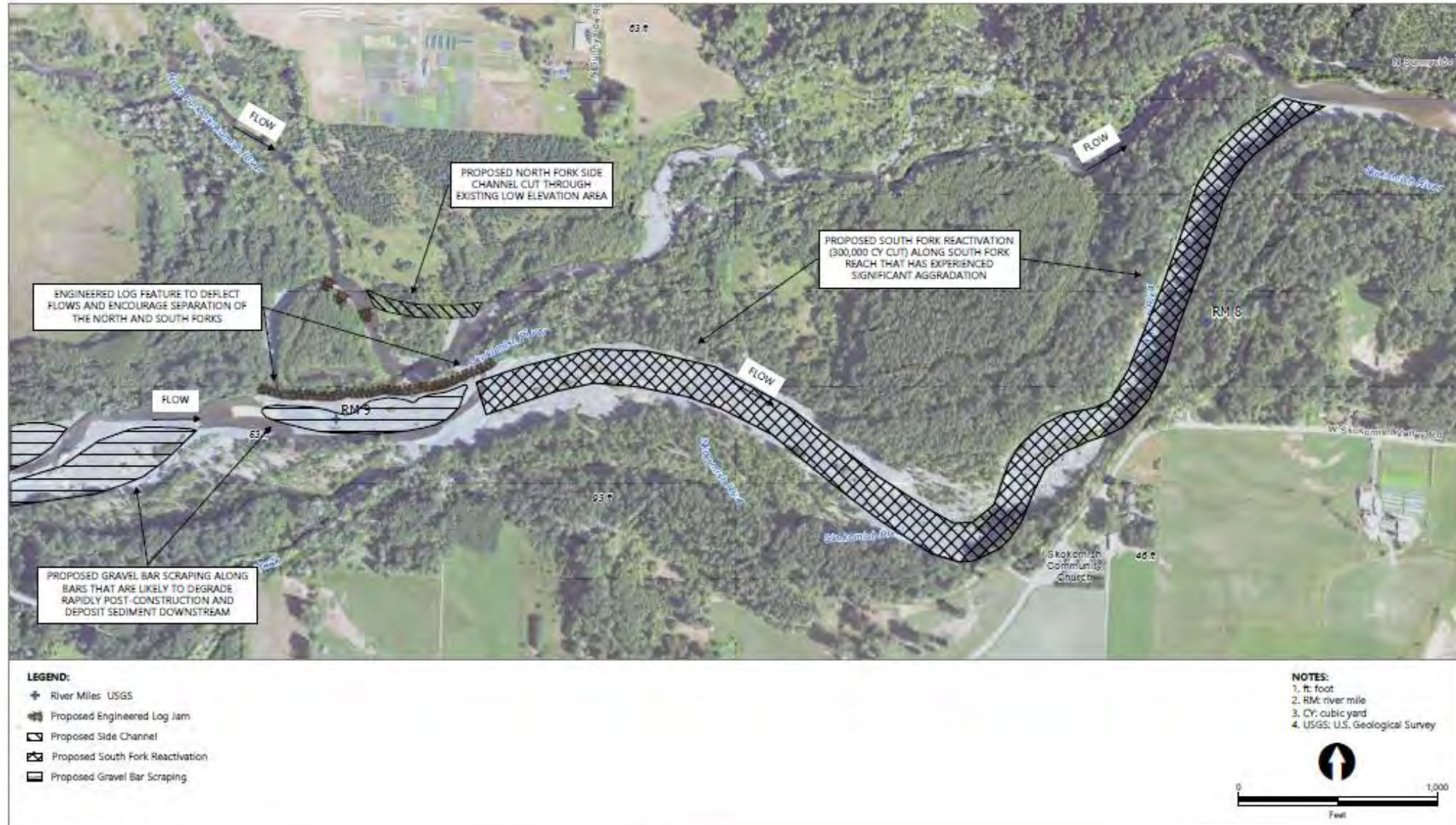
- Unnatural Level of Flooding!!!
- Rising Ground Water
- South Fork Fish Passage Barrier
- Swift Creek Fish Passage Barrier
- Sedimentation in North Fork = Channel Simplification
- Aggradation in Lower Vance Creek
- Fish Stranding

Army Corps Design



Print Date: 2025/03/31, 10:16 AM | User: admcob
Filepath: Y:\GTT\601\GIS\Jobs\Maine_County_CO_1676\LowerSkok_USACE_Assessment\Analysis\LowerSkokomish_Alternative1\LowerSkokomish_Alternative1.aprx | Skokomish_Alternative1_Template_Zoom_R2M

Updated Project Concept

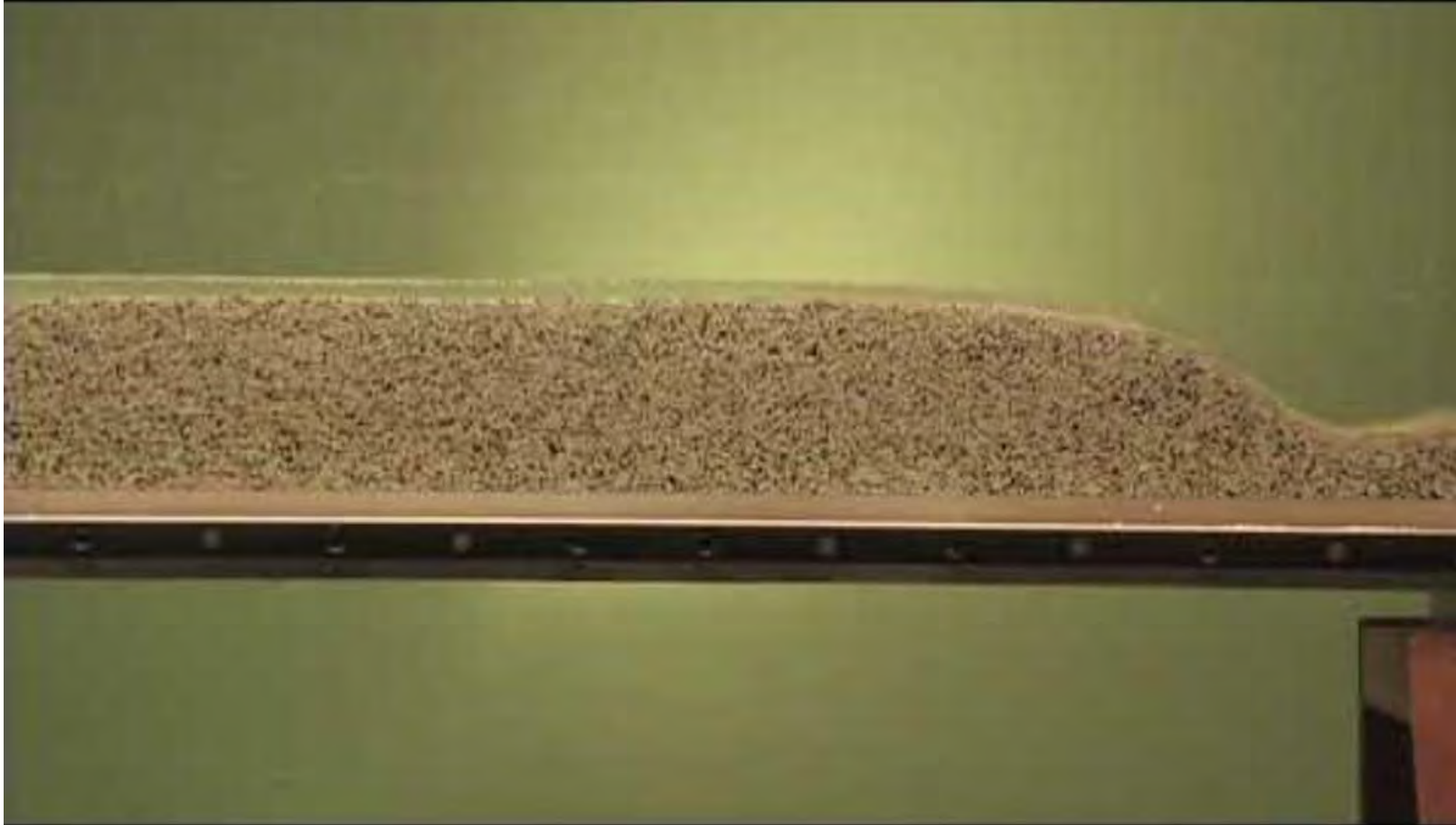


Publication Date: 2025/03/31, 10:10 AM | User: adanoc
Filepath: \\GDT\\46\\1\\GIS\\Jobs\\Mexico_County_CD_3164\\LowerSkok_USACE_Assessment\\Analysis\\LowerSkokomish_Alternative4\\LowerSkokomish_Alternative4.aprx | Skokomish Alternatives Template

Confluence Video



Headcut Migration



Future Conditions



- Improved channel capacity
- Year-round flow
- North Fork recovery
- Fish Passage to Vance Creek, South Fork, and Swift Creek



Next Steps

- Community Meetings
 - Individual meetings
 - Group meetings
- Meet with regulators/permitting agencies
- Design/Planning Continues
 - Other projects
 - Phase II
 - RM5 Side Channel



Questions and Comments



The Future of the Skokomish Watershed Action Team

- What should be the primary purpose of SWAT meetings?
- What natural resource issues should we focus on?
- Who should be attending that isn't here?
- Other questions/ideas?

The Future of the Skokomish Watershed Action Team

- How often should SWAT meet? Historically, we have met two times per year. Is that enough?
- Should we do more field trips?
- What time of year works best for meetings?