

# Schedule

9:30am – Introduction, covering the purpose and history of PIC

9:45am – Trends sampling results presented by Streamkeepers of Clallam County

10:00am – Segmented sampling results presented by JK'ST

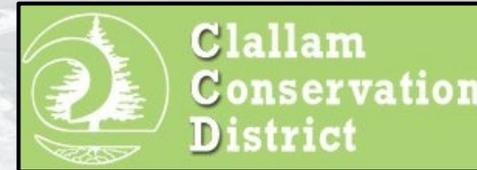
10:15am – OSS inspection compliance and financial assistance

10:30am – Agricultural and OSS repair resources presented by CCD

10:45am – Public Q&A

# PIC Program Update

(Pollution, Identification, and Correction)

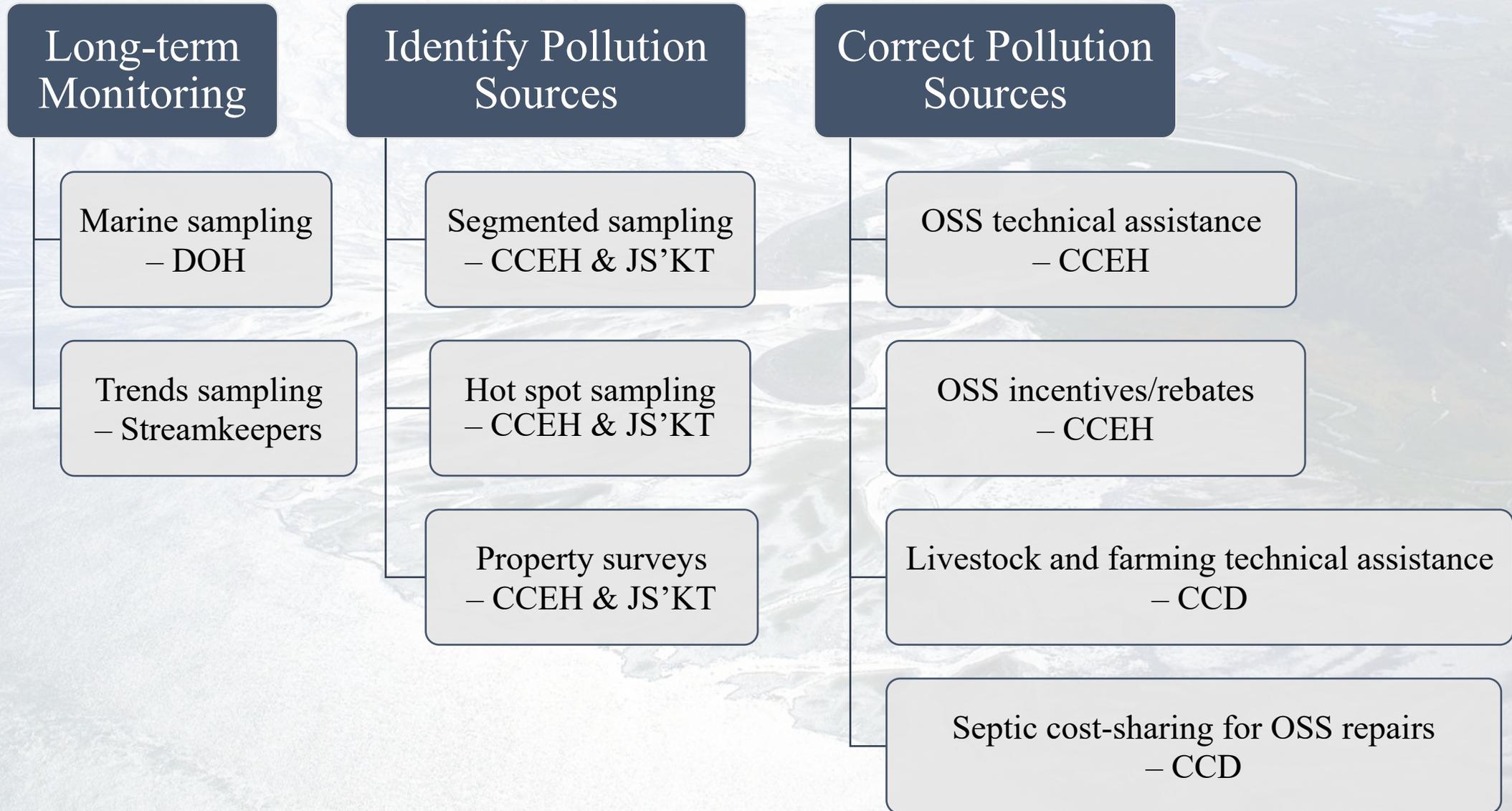


Community Meeting • October 2025

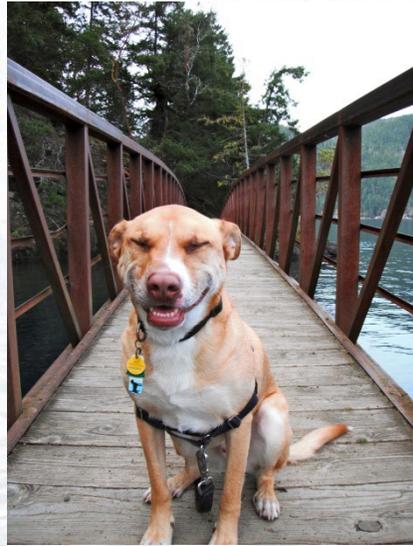
# What is the PIC Program?

- The Pollution Identification and Correction (PIC) program is designed to improve water quality in the Sequim-Dungeness Bay Clean Water District by identifying and mitigating sources of bacterial contamination.
- Utilizing systematic monitoring and source-tracking methods, the program targets priority sub-basins for focused investigation and corrective action.
- PIC provides technical assistance, educational outreach, and financial resources to support property owners in addressing septic system and agricultural runoff issues.
- The program helps protect public health, enhance environmental quality, and support the restoration of shellfish harvesting areas.

# How is PIC Structured?



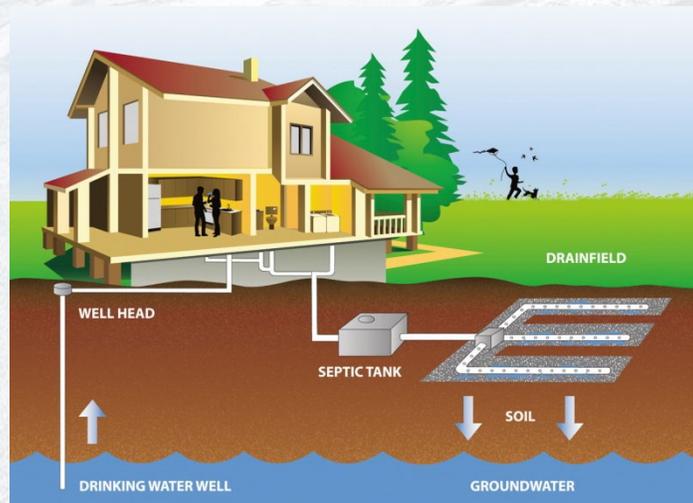
# What are the Sources of Bacterial Pollution?



Pet Waste



Livestock



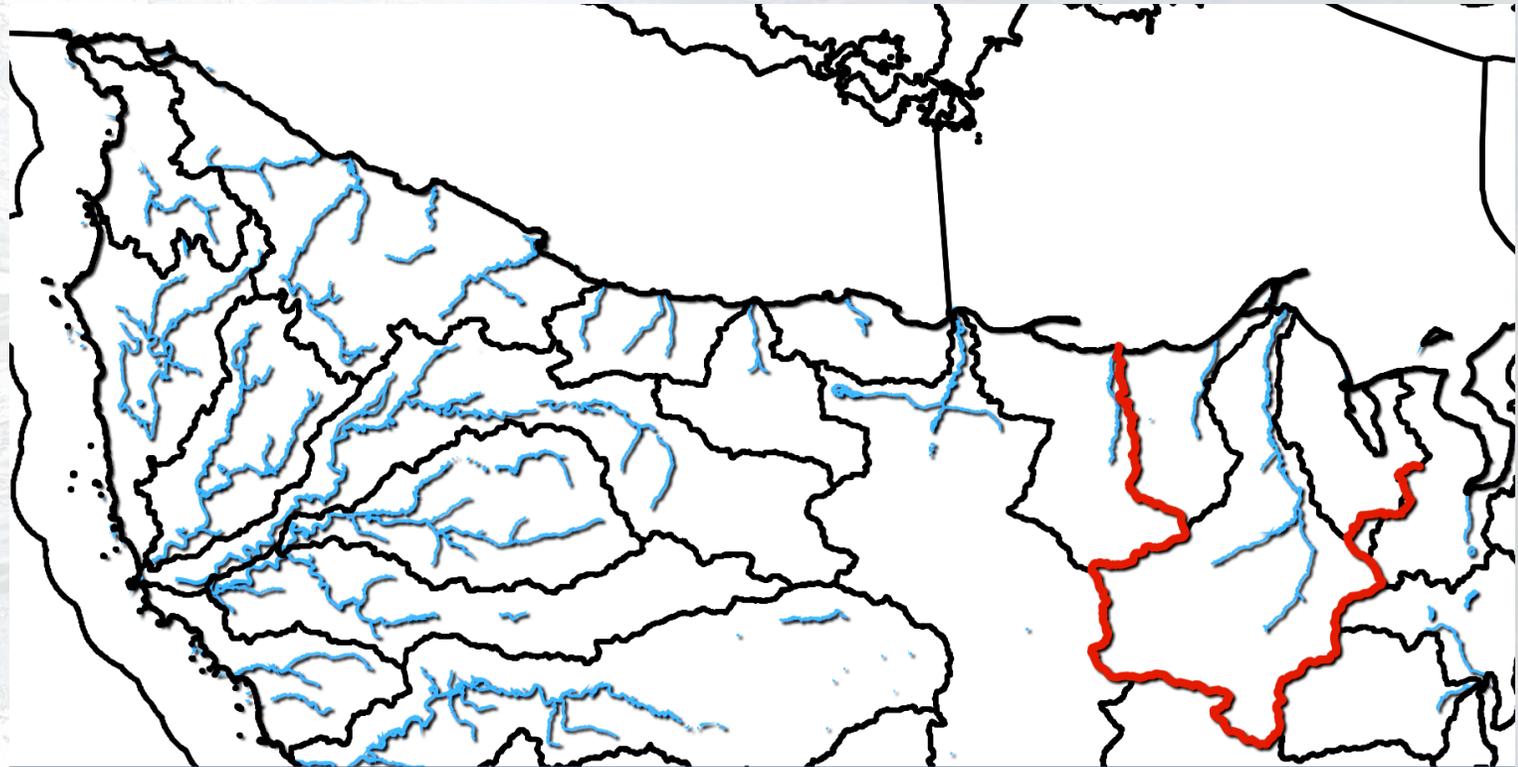
Failing Septic systems



Wildlife – Ducks, Elk, etc.

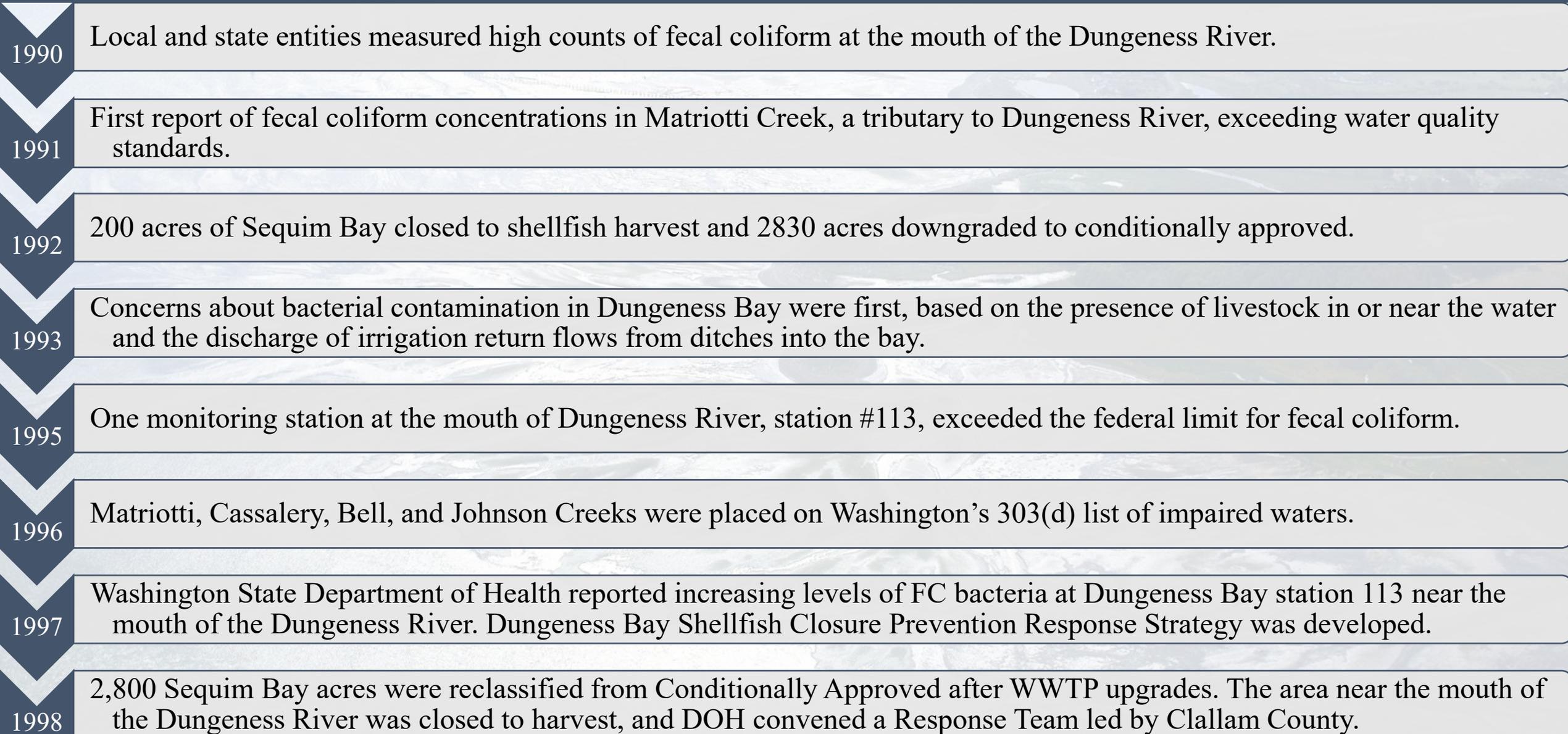
# Where is the PIC Program Focused?

- The Sequim-Dungeness Clean Water District (CWD) covers the eastern half of the Morse Creek-Frontal Port Angeles Harbor watershed, the Dungeness River watershed, and the Jimmycomelately Creek-Frontal Sequim Bay watershed.
- Total CWD area is approximately 230,000 acres.



Clallam County's larger watershed areas, major streams, and the Sequim-Dungeness Clean Water District.

# Sequim-Dungeness CWD Timeline

- 
- A vertical timeline with a background image of water and rocks. The years 1990 through 1998 are listed in dark blue chevron-shaped boxes on the left. Each year is followed by a white rounded rectangular box containing a text description of the event.
- 1990 Local and state entities measured high counts of fecal coliform at the mouth of the Dungeness River.
  - 1991 First report of fecal coliform concentrations in Matriotti Creek, a tributary to Dungeness River, exceeding water quality standards.
  - 1992 200 acres of Sequim Bay closed to shellfish harvest and 2830 acres downgraded to conditionally approved.
  - 1993 Concerns about bacterial contamination in Dungeness Bay were first, based on the presence of livestock in or near the water and the discharge of irrigation return flows from ditches into the bay.
  - 1995 One monitoring station at the mouth of Dungeness River, station #113, exceeded the federal limit for fecal coliform.
  - 1996 Matriotti, Cassalery, Bell, and Johnson Creeks were placed on Washington's 303(d) list of impaired waters.
  - 1997 Washington State Department of Health reported increasing levels of FC bacteria at Dungeness Bay station 113 near the mouth of the Dungeness River. Dungeness Bay Shellfish Closure Prevention Response Strategy was developed.
  - 1998 2,800 Sequim Bay acres were reclassified from Conditionally Approved after WWTP upgrades. The area near the mouth of the Dungeness River was closed to harvest, and DOH convened a Response Team led by Clallam County.

# Sequim-Dungeness CWD Timeline (cont.)

- 1999 Dungeness River and Matriotti Bacteria TMDL Study began. Elevated nitrates and bacteria were detected in several drinking wells. Clallam County's OSS Maintenance Program Plan created and Septics 101 courses for property owners began.
- 2000 300 acres closed at the mouth of the Dungeness River. County adopted salmonid protection and management guidelines. Clean Water Strategy finalized for Dungeness Bay bacteria. 750 Sequim Bay acres upgraded from Prohibited to Approved.
- 2001 Clallam County adopted Clean Water District ordinance. Dungeness Bay closure expanded 100 acres. Circulation study conducted in Dungeness Bay. Clallam County and Jamestown monitor Dungeness River and Matriotti Creek TMDL status.
- 2002 Dungeness-Matriotti TMDL Study completed, included tributaries: Meadowbrook, Cooper, Golden Sands, and Hurd. Clean Water Strategy updated to reflect TMDL findings. Bacteria Cleanup Plan for Lower Dungeness Watershed submitted.
- 2003 DOH classified 1,150 acres of inner Dungeness Bay as Conditionally Approved for shellfish harvest from February through October with closure during November through January. 50 acres added to the year-round closure.
- 2004 Dung. Bay Bacteria TMDL Study and TWG monitoring strategy completed, included irrigation. Dungeness-Matriotti Post-TMDL Review and Cleanup plan for Dungeness Bay published. EPA funded OSS education and irrigation piping projects.
- 2005 WAC 246.272A requires OSS Management Plans.
- 2006 RCW 70.118A mandates Marine Recover Areas where septic systems contribute to marine water quality issues.

# Sequim-Dungeness CWD Timeline (cont.)

2007

Clallam County uses boundaries of the Clean Water District to designate a Marine Recovery Area. Clallam County Board of Health approved the County's OSS Management Plan and the County began implementing it in phases.

2008

DOH classified 725 acres creating Jamestown growing area, Approved except mouths of Golden Sands and Cassalery. Lotzgesell, Bear, Mudd, and Cooper Creeks were 303(d) listed for bacteria. TMDL Effectiveness Monitoring Study began.

2009

TMDL effectiveness study showed 9 of 13 Dungeness Bay tributaries not meeting water quality criteria. MST (ribotyping) and (PCR) study completed. 500 acres in Dungeness Bay were upgraded from Prohibited to Conditionally Approved.

2011

Agnew Ditch was placed on Washington's 303(d) list of impaired waters.

2012

Clallam County secured EPA National Estuary Program funding to develop a Pollution Identification & Correction (PIC) plan for the CWD.

2014

Clallam County, in partnership with the Conservation District, Jamestown Tribe and public, finalized a PIC plan.

2015

PIC Phase I (2015–2017) Focus Area sampling in Golden Sands, Meadowbrook Creek, and Meadowbrook Slough. 688 acres in Dungeness Bay upgraded from Conditionally Approved to Approved. 40 Prohibited acres Conditionally Approved.

2016

272 acres of shellfish growing area just offshore from the Dungeness River mouth were upgraded from Conditionally Approved to Approved.

# Sequim-Dungeness CWD Timeline (cont.)

2017

PIC Phase II (2017-2019) focused on Matriotti and Lotzgesell Creeks.

2018

Between 2008 and 2018, 94 acres of growing area in Sequim Bay were upgraded from Prohibited to Approved.

2020

PIC Phase III (2020 -2022) targeted Upper Matriotti Creek and Lower Bell Creek. 23 acres of shellfish growing area at the mouths of Golden Sands Slough and Cassalery Creek upgraded from Prohibited to Approved.

2023

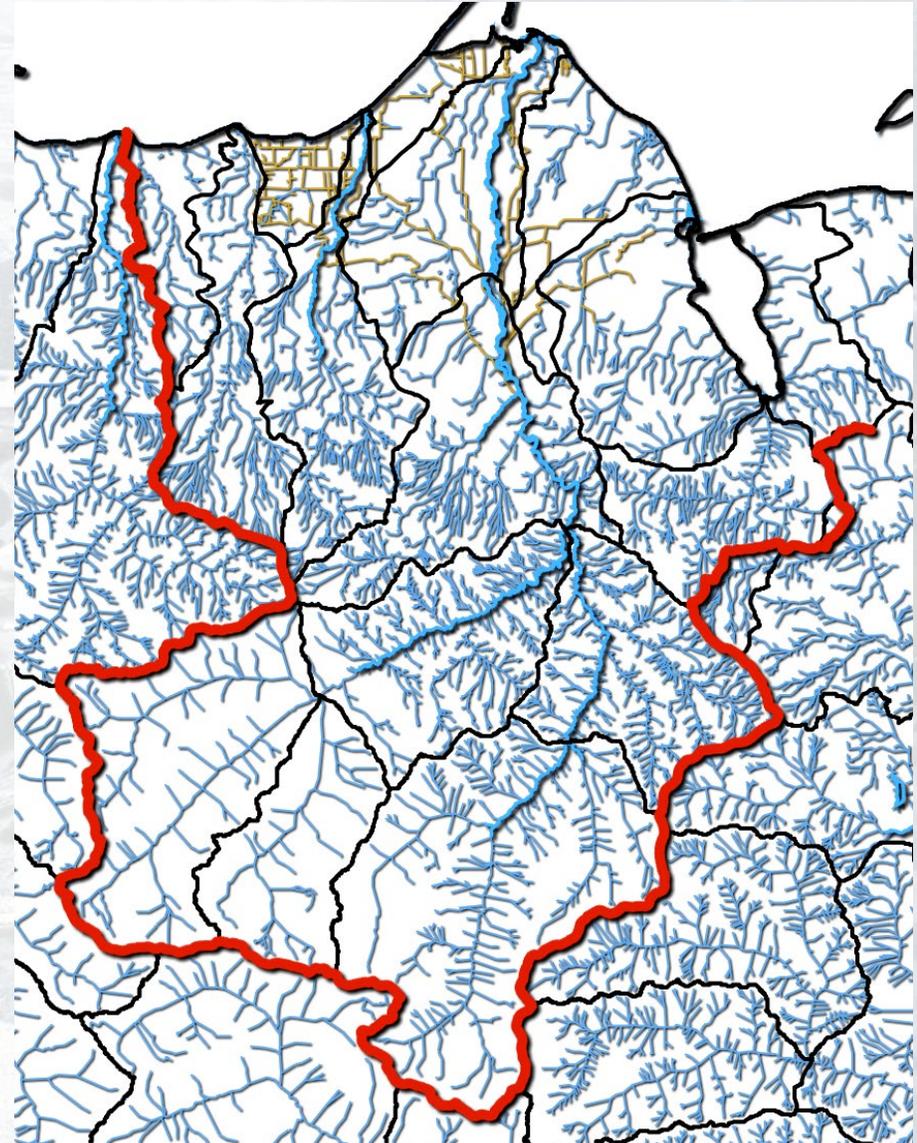
PIC Phase IV (2023-2025) is focused on upper Matriotti Creek and the Highland Irrigation network draining to Bell Creek.

2026

PIC Phase V (2026-2028) will focus on the Cassalery Creek watershed, and Dungeness Irrigation network feeding the head of Meadowbrook Creek .

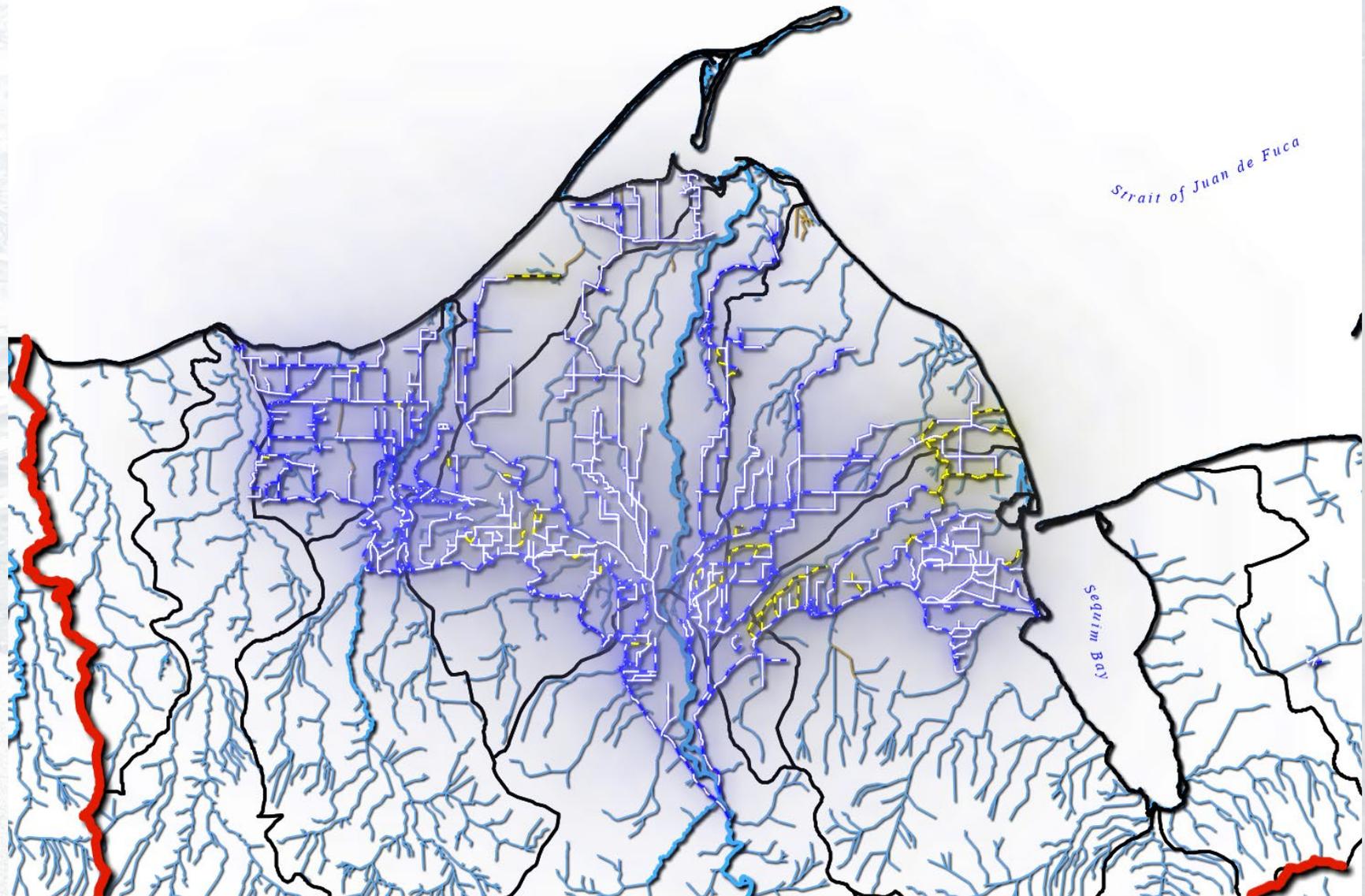
# Sequim-Dungeness Clean Water District

- The CWD contains 14 sub-watersheds: Bagley, Siebert, McDonald, Lower Dungeness, Middle Dungeness, Upper Dungeness, Dungeness Headwaters, Cameron, Lower Gray Wolf, Upper Gray Wolf, Cassalery, Johnson, Jimmycomelately, and Blyn.
- Tributaries to Dungeness Bay have historically been the most problematic toward shellfish growing areas. These include the Dungeness River and Lotzgesell, Matriotti, Hurd, and Meadowbrook Creeks.



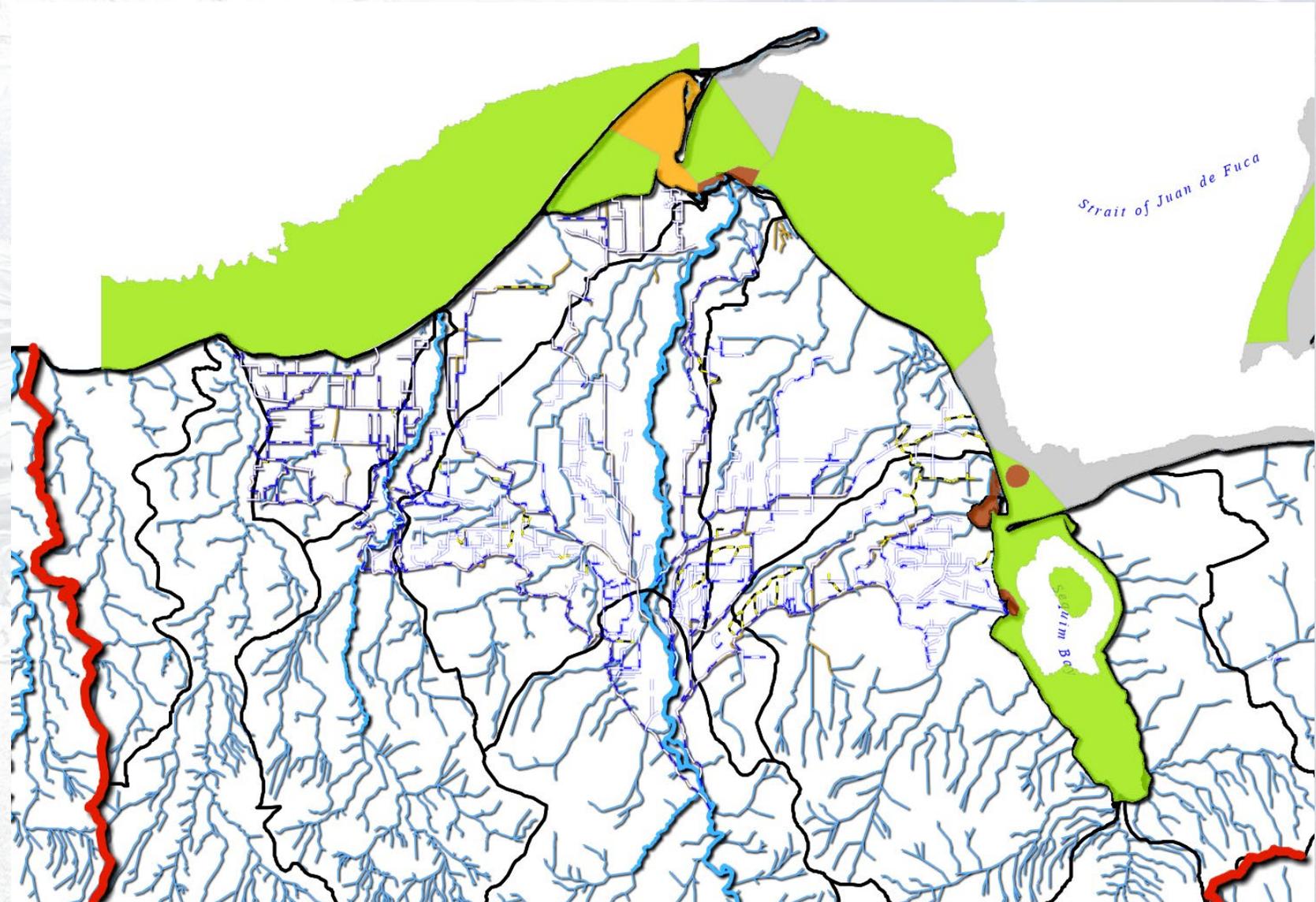
# Sequim-Dungeness Irrigation

- 11,000 acres of farmland are served by irrigation.
- The CCD has been actively involved in piping irrigation ditches in the Sequim-Dungeness Valley for over 25 years to conserve water and protect water quality. Over 66 miles of ditch have been piped since 1999.

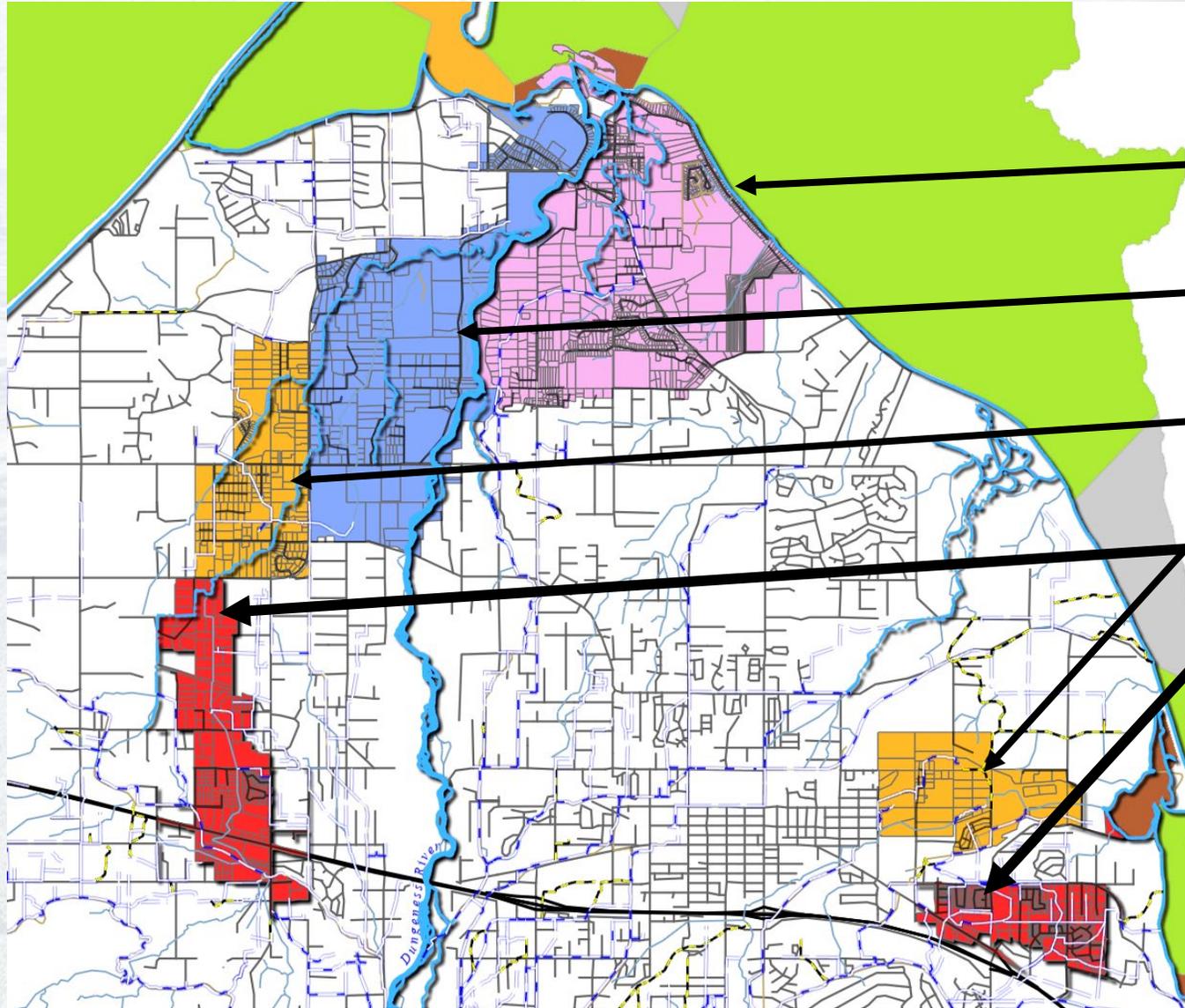


# Sequim-Dungeness Shellfish Growing Areas

- 18,000 acres of shellfish growing area are protected by the CWD (~75% of the County's Growing Area acres).
- Currently, in Dungeness Bay, 1,374 acres are Conditionally Approved and 80 acres are Prohibited.
- In Sequim Bay, the Lagoon at the mouth of Bell Creek is Prohibited due to non-point source pollution.



# PIC Focus Areas



Phase I (2015-2017)

Phase II (2017-2019)

Phase III (2020-2022)

**Phase IV (2023-2026)**



Photo from Jamestown S'Klallam Tribe



Photos from NOAA Library, Flickr



# Water Quality Monitoring with Citizen Scientists since 1999

PIC Community Meeting, October 2025

Joel Green, Streamkeepers Coordinator





## Goals:

- Monitor local streams, and gather quality data to guide management decisions.
- Report the information to a variety of audiences
- Facilitate public involvement in Citizen Science and stewardship

# Pollution Investigation and Correction (PIC)

- Streamkeepers implements

## PIC Trends Monitoring

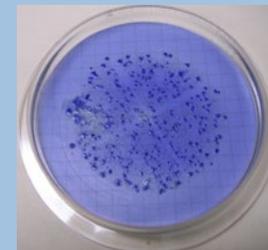


# Monitor chemical and physical characteristics of stream water



# Grab Sampling

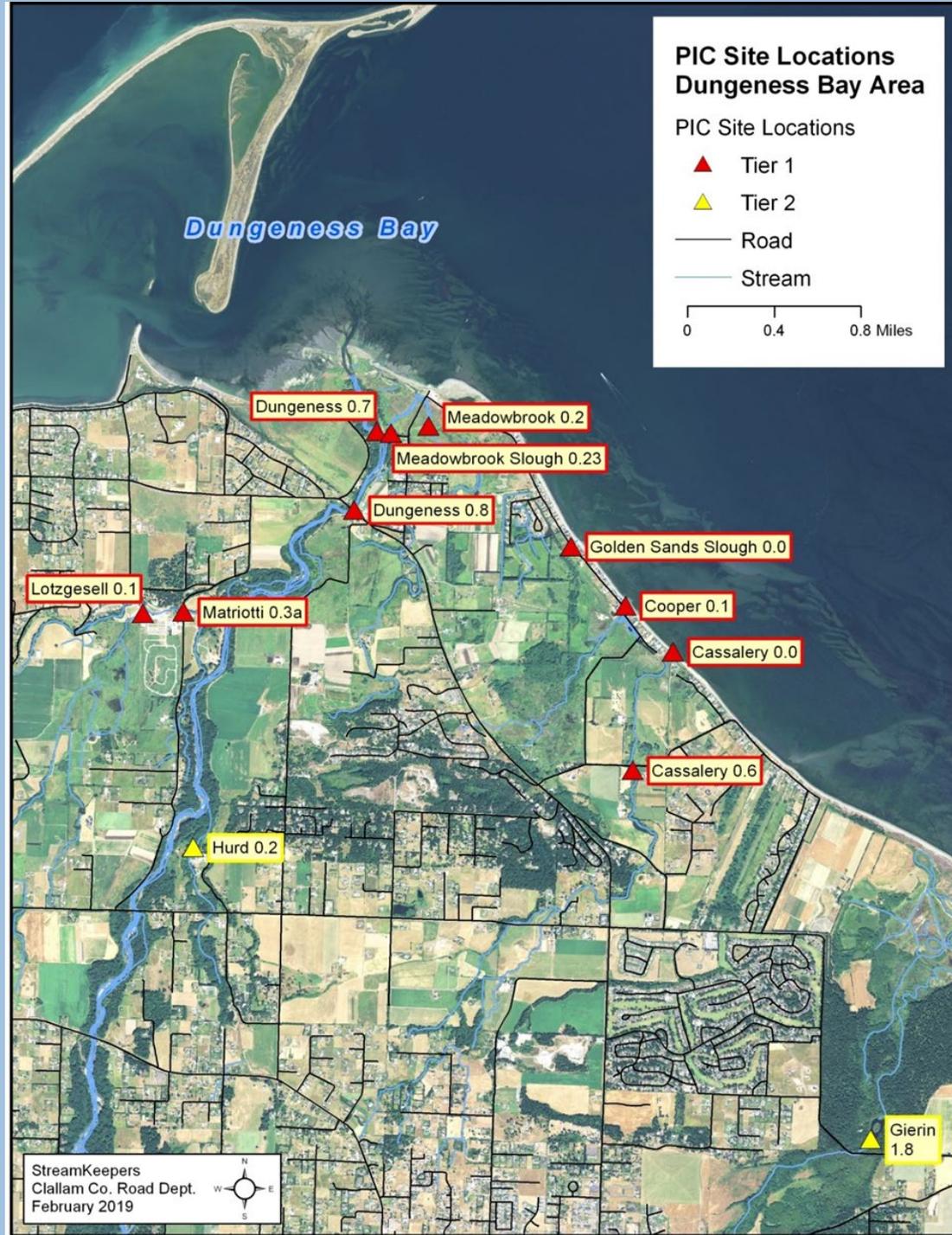
- Bacteria
- Nutrients



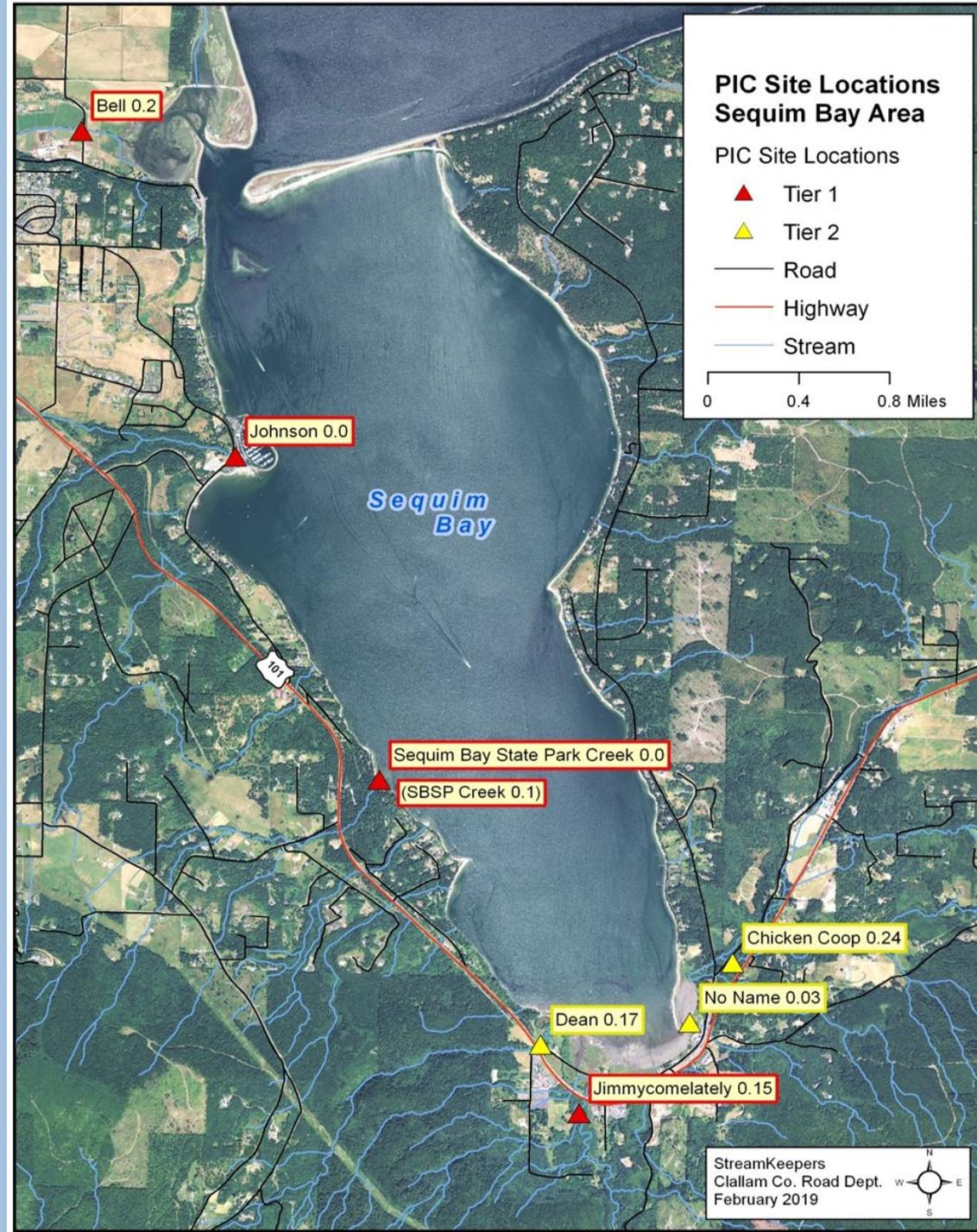
# Measuring Stream Flow



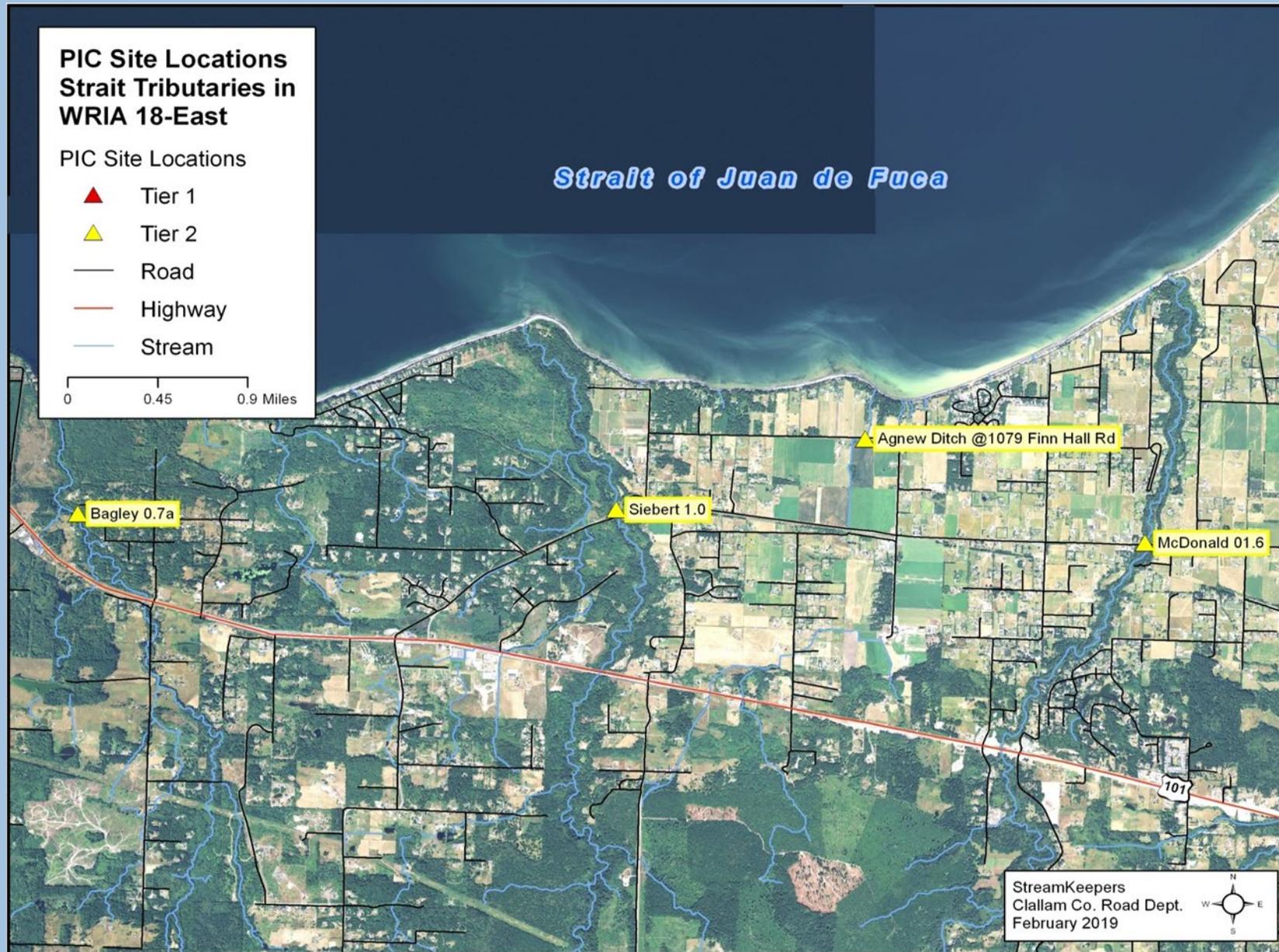
# PIC Trends Monitoring Locations in the Dungeness Bay Area



# PIC Trends Monitoring Locations in the Sequim Bay Area



# PIC Trends Monitoring Sites West of Dungeness Bay



# Trends in bacterial pollution, 2016-2024

Area	Stream	2016-2018	2017-2019	2018-2020	2019-2021	2020-2022	2021-2023	2022-2024
East Straits	Bagley	Yellow	Green	Green	Green	Yellow	Yellow	Yellow
	Siebert	Green						
	Agnew ditch	Red	Yellow	Yellow	Red	Red	Yellow	Light Red
	McDonald	Green	Green	Green	Yellow	Yellow	Red	Red
Dungeness Bay	Lotzgesell	Yellow	Yellow	Yellow	Red	Red	Red	Red
	Matriotti	Red						
	Meadowbrook	Green	Green	Yellow	Yellow	Red	Red	Red
	Meadowbrk Slough	Yellow	Red	Red	White	White	White	White
	Hurd	Green						
	<b>Dungeness River</b>	Green	Green	Green	Yellow	Yellow	Light Red	Light Red
Jamestown	Golden Sands Sl.	Yellow						
	Cooper	Green	Green	Green	Yellow	Yellow	Yellow	Yellow
	Cassalery	Yellow	Yellow	Yellow	Yellow	Yellow	Red	Red
	Gierin	Yellow	Green	Green	Yellow	Red	Red	Red
Sequim Bay	Bell	Yellow	Yellow	Red	Red	Red	Red	Red
	Johnson	Green	Green	Green	Yellow	Yellow	Yellow	Yellow
	Sequim Bay St. Pk.	Green	Yellow	Green	Green	Green	Green	Yellow
	Dean	Yellow	Green	Green	Yellow	Yellow	Yellow	Green
	Jimmycomelately	Green	Green	Green	Yellow	Green	Yellow	Yellow
	No Name	Green	Green	Green	Yellow	Yellow	Yellow	Yellow
	Chicken Coop	Green	Green	Green	Yellow	Yellow	Yellow	Yellow

# Matriotti Creek

Trends Monitoring



Segmented  
Monitoring



# PIC water quality monitoring

- **Trends monitoring** identifies streams with high levels of bacterial pollution
- **Segmented monitoring** identifies hotspots on those streams

# Get Involved!



## We welcome your participation

- (360) 417-2281
- Streamkeepers Coordinator  
Joel Green's cell #:
  - (360) 325-3979
- [streamkeepers@clallamcountywa.gov](mailto:streamkeepers@clallamcountywa.gov)



# PIC SEGMENTED SAMPLING

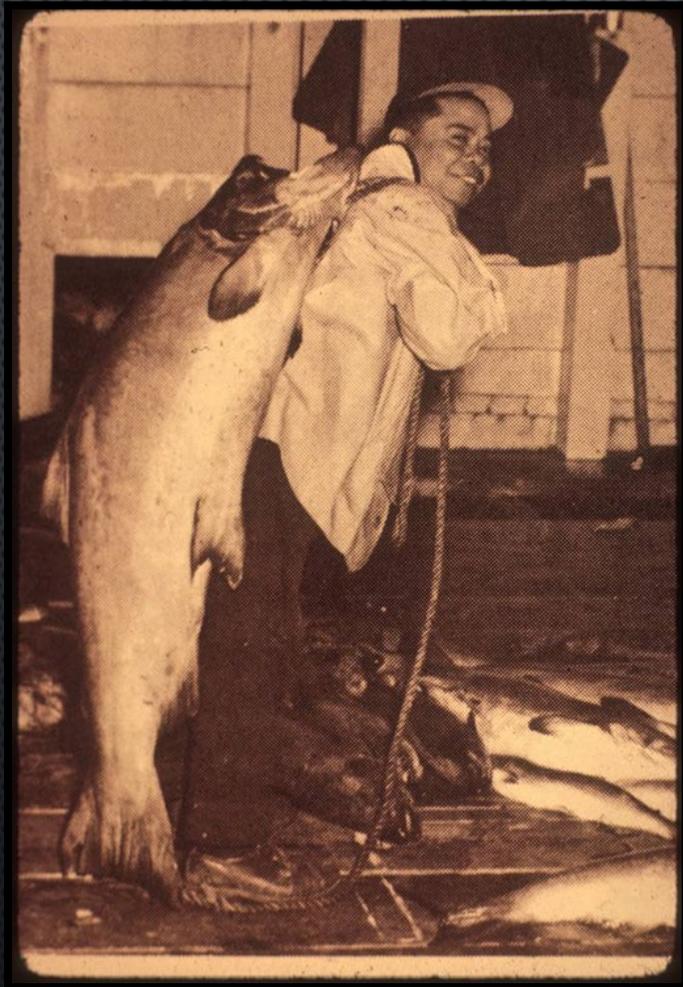
FOCUSED SAMPLING AND POLLUTION CORRECTION



## THE SHELLFISH CONNECTION

FOR CENTURIES, THE JAMESTOWN S'KLALLAM TRIBE HAS LIVED AND SURVIVED ON THE BOUNTIFUL NATURAL RESOURCES OF DUNGENESS AND SEQUIM BAY WATERSHEDS.

# JAMESTOWN S'KLALLAM MISSION STATEMENT



The Jamestown S'Klallam Tribe has maintained the right to fish, shellfish, hunt and gather. But that right is empty if there are no fish to catch, no clams to dig, no elk to hunt or berries to gather. Our greatest natural resource concern is that the environment these natural resources live in and the habitat that supports healthy populations be protected. If threatened with harm, the environment must be protected and kept in a highly productive state. If damaged, the habitat must be restored so that fish and wildlife may prosper. If natural resources are in decline, they must be improved so that future populations may thrive.



# TRADITIONAL FOODS PROGRAM

GRANT FUNDED PROGRAM STARTED IN 2018

- PROMOTING HEALTHY DIET AND TRADITIONAL FOODS
- COMMUNITY GATHERINGS FOCUSING ON NUTRITION
- CULTURAL ACTIVITIES
- COMMUNITY GARDEN INCLUDING A SHELLFISH GARDEN



# SHELLFISH CLOSURE HISTORY



1998 – DOH had to classify the area near the River mouth  
Prohibited for shellfish harvest –one shellfish farm closed

# SHELLFISH CLOSURE HISTORY (CONT'D)



2000 – Increased closure area due to high bacterial levels.

# SHELLFISH CLOSURE HISTORY (CONT'D)



2001 - Prohibited area extended further into the inner Bay  
– second shellfish farm closed



# SHELLFISH CLOSURE HISTORY (CONT'D)

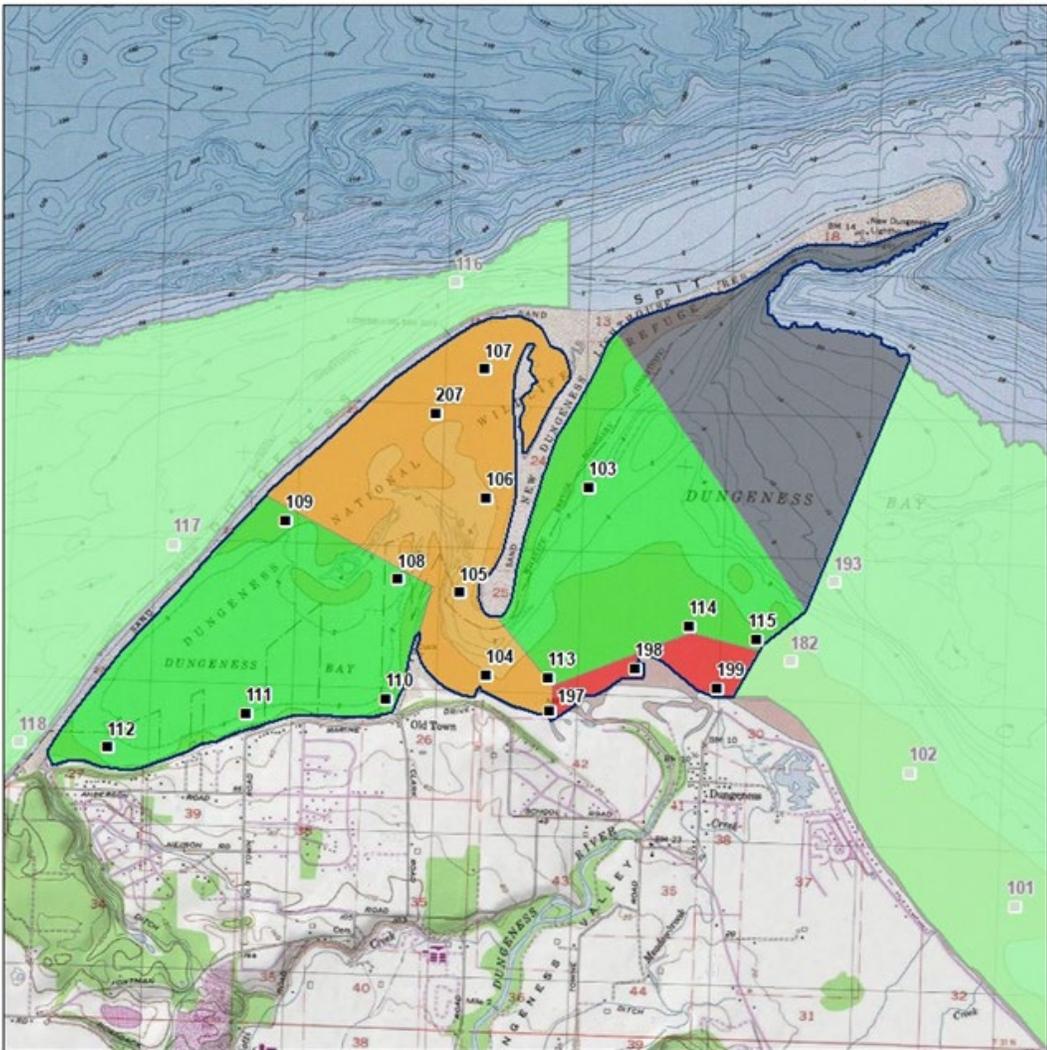
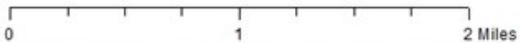


2002 – large Prohibited area in red, yellow area is seasonally closed to shellfish harvest in winter due to high bacterial counts

# DUNGENESS BAY CLASSIFICATION TIMELINE

Month	Year	Growing Area	Acres Updgraded	Acres Downgraded	From	To
January	2000	Dungeness Bay	0	-300	Approved	Prohibited
May	2001	Dungeness Bay	0	-100	Approved	Prohibited
September	2003	Dungeness Bay	0	-227	Approved	Prohibited
September	2003	Dungeness Bay	92	0	Prohibited	Conditional
September	2003	Dungeness Bay	0	-1062	Approved	Conditional
April	2011	Dungeness Bay	424	0	Prohibited	Conditional
October	2015	Dungeness Bay	688	0	Conditional	Approved
October	2015	Dungeness Bay	40	0	Prohibited	conditional
October	2016	Dungeness Bay	272	0	Conditional	Approved

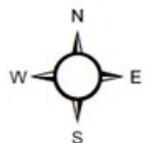
# Dungeness Bay



- Classification**
- Approved
  - Conditional
  - Prohibited
  - Restricted
  - Unclassified

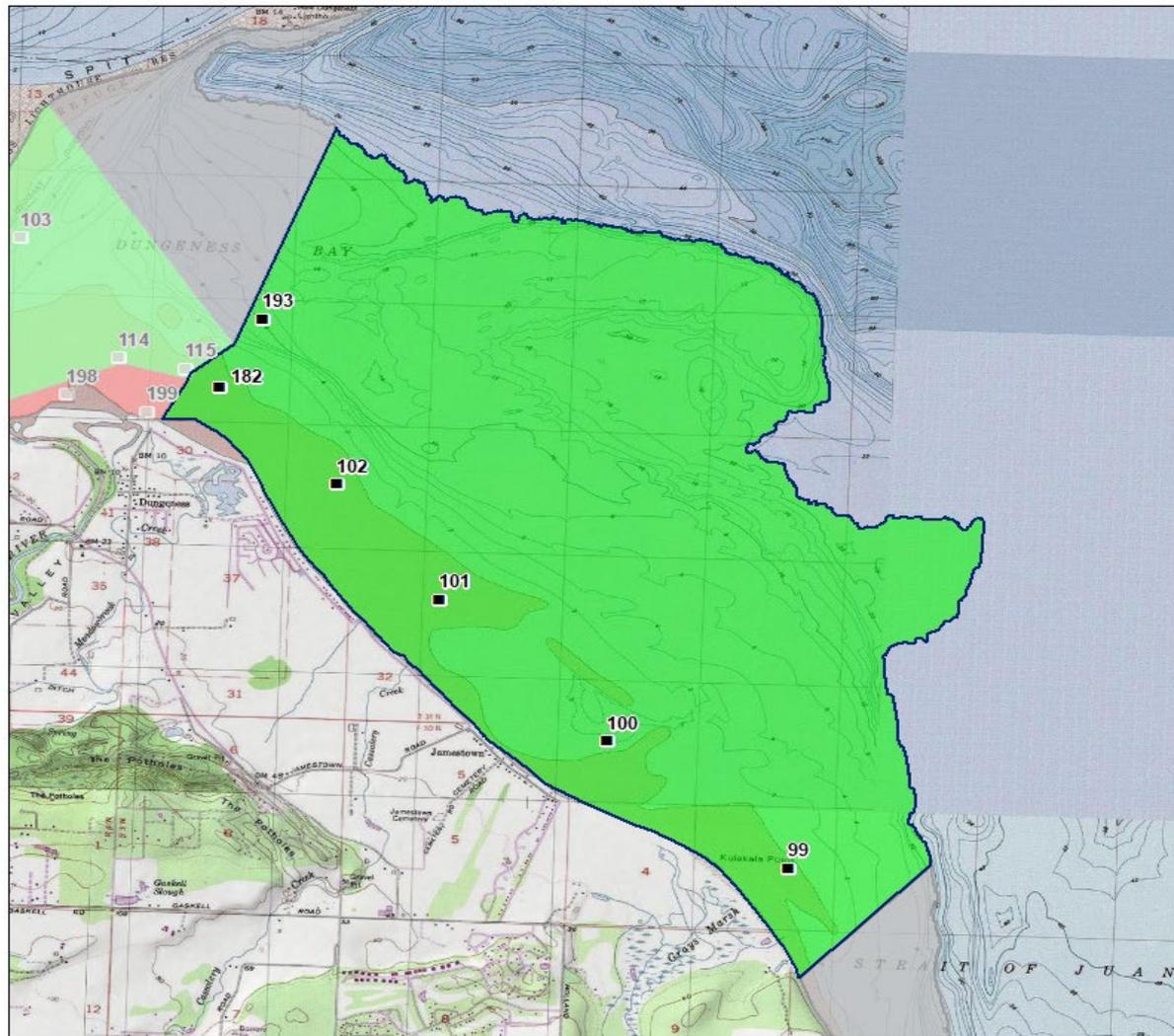
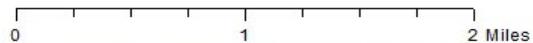
**Sampling Stations**

■



\* Some sampling stations are highlighted with grey box for ease of reading.

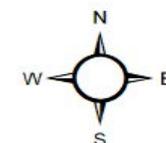
# Jamestown



- Classification**
- Approved
  - Conditional
  - Prohibited
  - Restricted
  - Unclassified

**Sampling Stations**

■



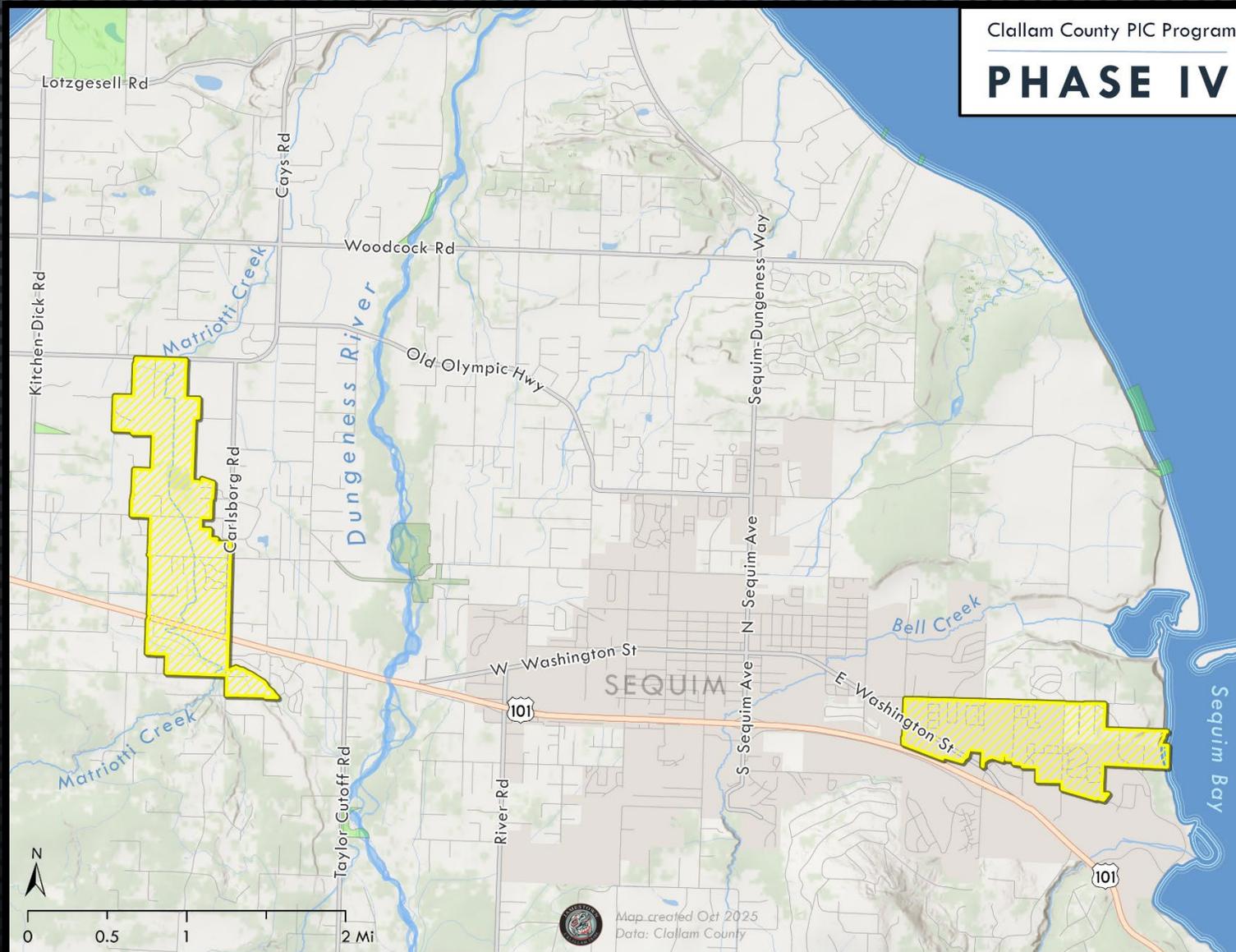
\* Some sampling stations are highlighted with grey box for ease of reading.

# FOCUS AREAS AND SEGMENTED SAMPLING

- THE TRENDS DATA SERVES AS A BASIS FOR PRIORITIZING SUB-WATERSHEDS FOR TARGETED POLLUTION IDENTIFICATION AND CORRECTION.
- THE TRENDS DATA HELPS US RANK AND CHOOSE A FOCUS AREA.
- ONCE THE FOCUS AREA IS DETERMINED – RESIDENTS ARE NOTIFIED ABOUT PLANNED POLLUTION SOURCE IDENTIFICATION.
- A BRACKETED SAMPLING DESIGN IS CREATED TO HOPEFULLY IDENTIFY AND CONFIRM POLLUTION HOTSPOTS.
- A HOT SPOT IS A SITE WITH FECAL COLIFORM CONCENTRATION GREATER THAN 50FC/100mL. IF MORE THAN ONE HOT SPOT IS FOUND, THEY ARE RANKED BY THE CRITERIA BELOW.

<b>High Priority</b>	<b>Medium Priority</b>	<b>Low Priority</b>
>400 FC/100mL	100 to 399 FC/100mL	50 to 99 FC/100mL

# 2025 SEGMENTED SAMPLING FOCUS AREA



Clallam County PIC Program

# PHASE IV

## Bell Creek & Highland Ditch

 Phase IV Area

 Bell Creek

 Sample Site

### Irrigation Network

 Pipe

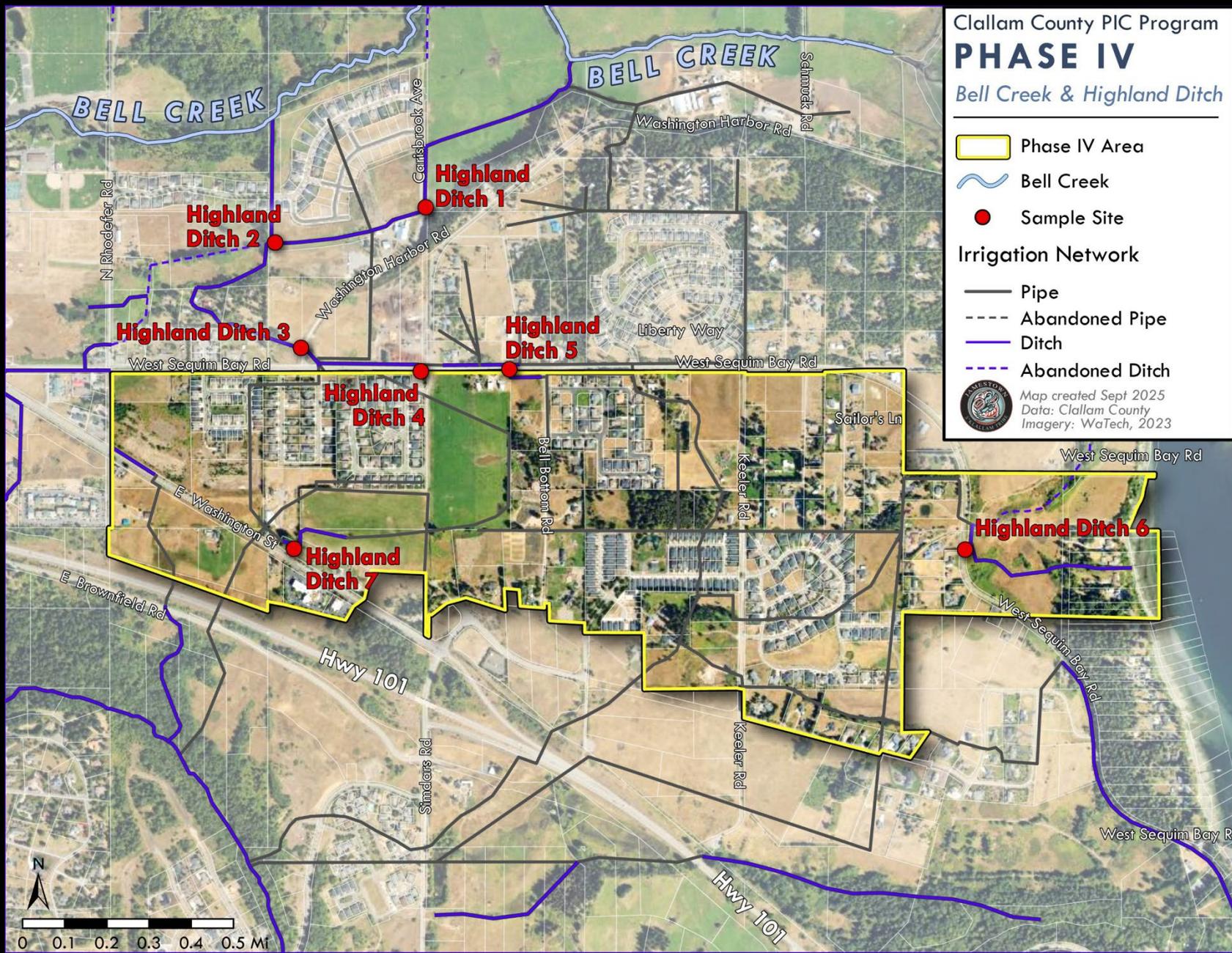
 Abandoned Pipe

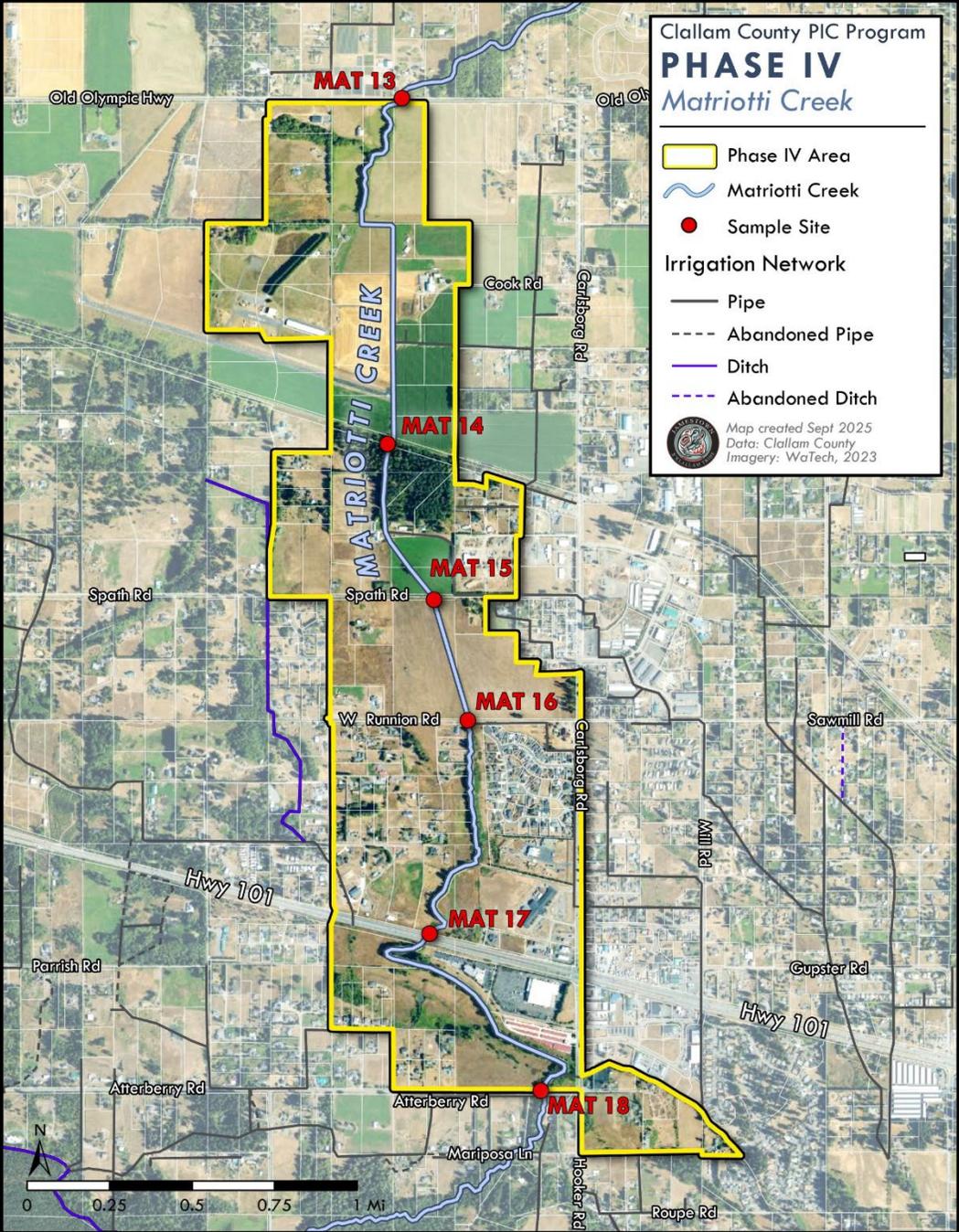
 Ditch

 Abandoned Ditch



Map created Sept 2025  
Data: Clallam County  
Imagery: WaTech, 2023

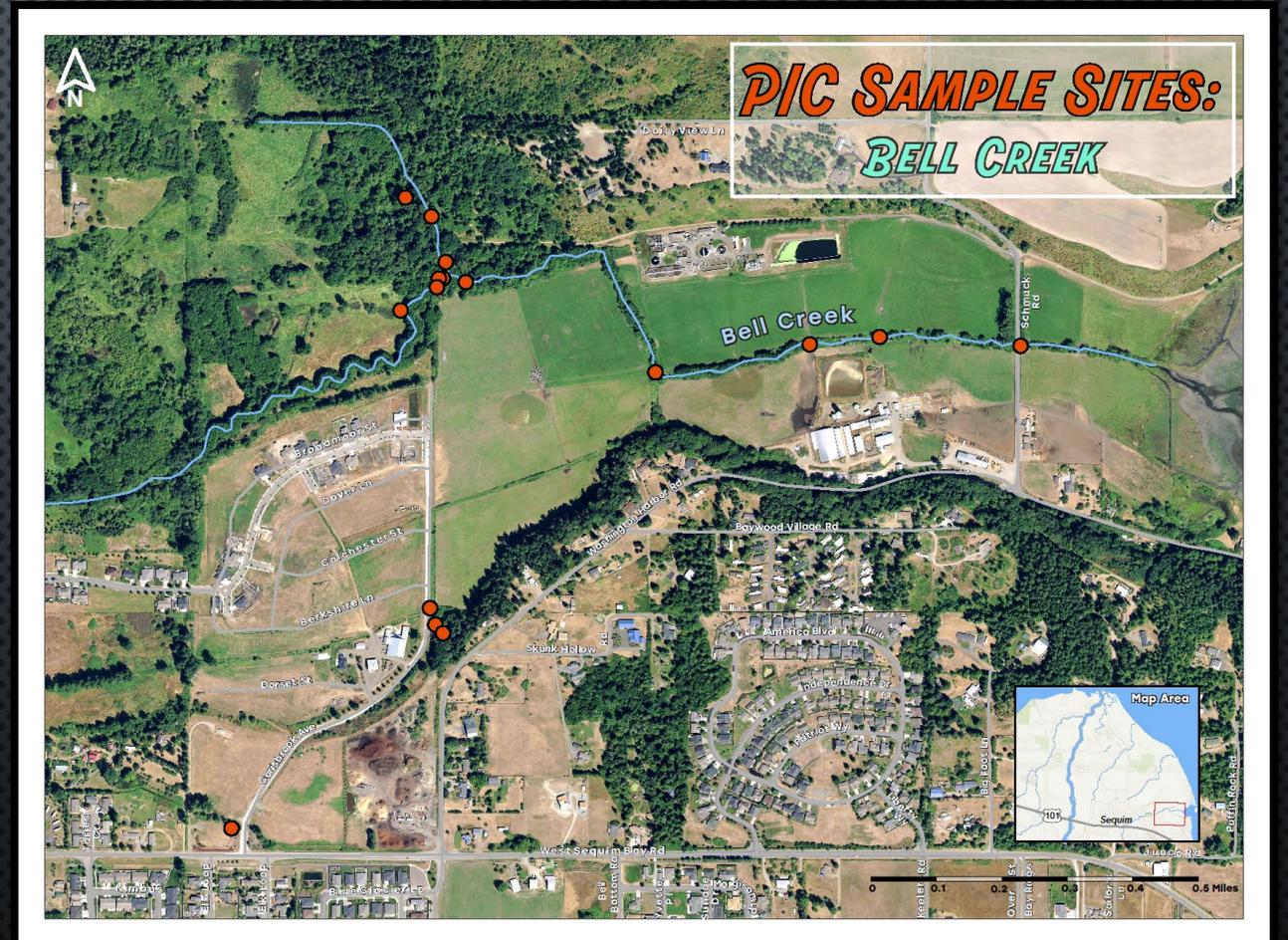
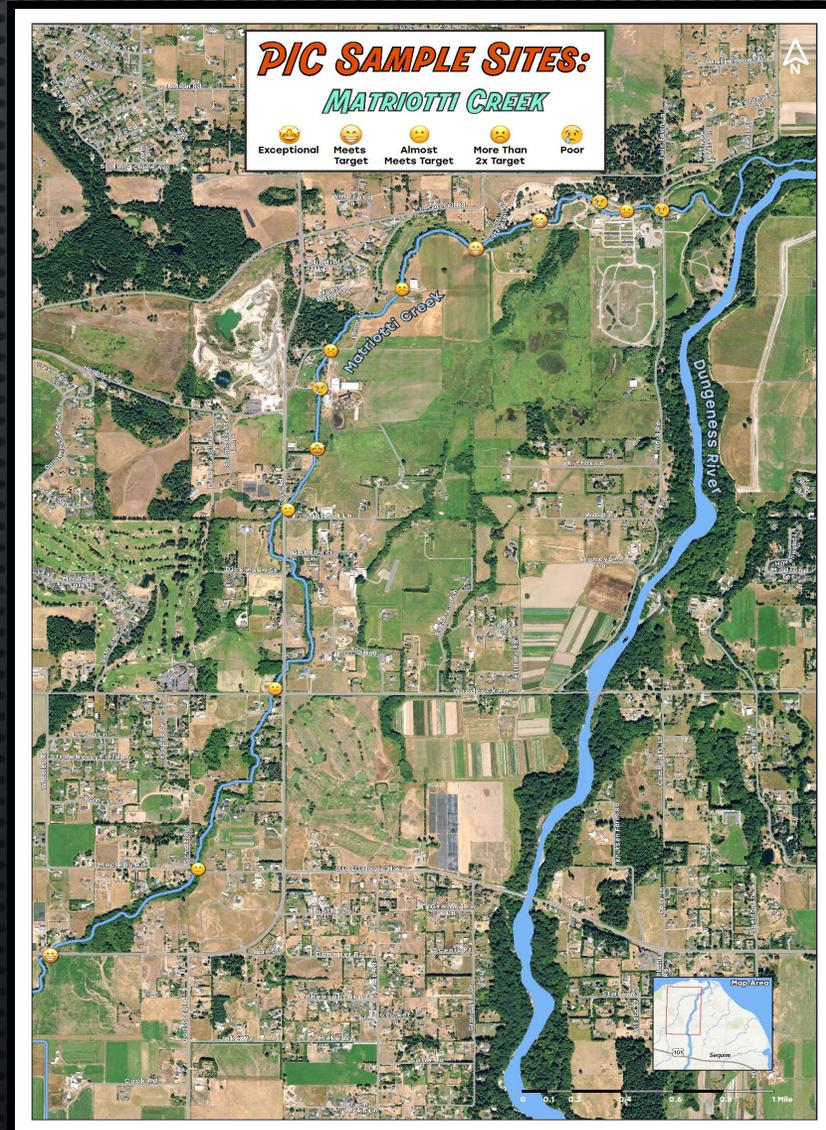




# PAST FOCUS AREAS



# FOCUS AREAS 2021-2023



## WHAT'S NEXT?

- WE CONTINUE TO SAMPLE
- ANALYZE THE DATA, CONFIRM OUR HOT SPOTS
  - TAKE ACTION



**Clallam County Department of Health and Human Services  
Environmental Health Department**

- Mailing Address: 111 E. 3rd Street EH OSS Rebate Program c/o Sandra White Port Angeles, WA 98362
- Physical Address: 223 E. 4th Street, Room 130 Port Angeles, WA 98362
- Septic/Application Questions: 360-417-2506 or EnviroHealth@clallamcountywa.gov

**SEPTIC SYSTEM REBATE REQUEST  
January 1, 2025 - November 30, 2025**

Complete sections #1-5 below and submit this form to Environmental Health along with a copy of your PAID receipt showing the total cost paid for the septic service. Rebates are prioritized while funds last.

**Request does not guarantee payment.** Refer to **conditions** on the following page for eligibility.

**1. Contact Information**

Name(s) of property owner(s): \_\_\_\_\_

Mailing address: \_\_\_\_\_

Street City State/Zip

Email: \_\_\_\_\_ Phone: \_\_\_\_\_

**2. Septic System Information**

Site address: \_\_\_\_\_  
Street City

Parcel number: \_\_\_\_\_

**3. Request - Please check the appropriate box(es) below:**

Rebate

PSA

**I was notified of inspection requirements by:**

Sic Letter in mail

Septic Provider

Friendly postcard reminder

- Reimbursement for septic system inspection and/or locate, up to \$300, based on actual costs.

- If additional work is needed to address septic system deficiencies, as noted in the inspection report, reimbursement is allowed up to \$800, based on actual costs.

*(Additional work may include septic tank pumping, adding risers, jetting pressurized drainfield, replacing minor components for maintenance, or decommissioning of a septic tank no longer in use) see #19*

**4. Please check all boxes to confirm the following are true (All boxes must be true & checked for rebate)**

- I had my septic system inspection/locate and/or work done by a licensed provider.
- I have attached receipt(s) showing the actual cost paid for the service(s) performed.
- The service was not performed for the sale of a property, nor to obtain a building permit.
- This is my primary residence, and not a rental property.

**5. Declaration**

I have read all conditions below and I declare under penalty of perjury that all my statements above are true and complete.

\_\_\_\_\_  
(print name)

\_\_\_\_\_  
(signature)

\_\_\_\_\_  
(date)

**Conditions for Clallam County Rebate/Incentive Request**

- The septic system must be in Clallam County.
- Once budgeted funds run out no further Rebate requests will be approved during that funding cycle.
- Septic system inspections must be done by a licensed designer or Clallam County licensed maintenance provider.
- For all inspection reimbursements Environmental Health must have a septic system record drawing or as-built on file.
- If no record drawing is on file, a septic system electronic locate is required, with a drawing submitted once the system is located. All work must be done by either a designer or licensed maintenance provider.
- Service must be performed between January 1, 2025, and November 30, 2025.
- Requests for Rebates must be submitted to Environmental Health on or before November 30, 2025.
- Rebates are not intended for property sales.
- Rebates are not intended for building permits, land divisions, boundary line adjustments or any governmental action.
- Rebates are intended for primary residences only and are not allowable for rental properties.
- Property owners who are in violation of CCHR 41.20 codes may not qualify for rebates if the violation obtains no movement towards being resolved.
- Receipts must clearly state the invoice to be paid in full, the type of service performed, total cost, and site address.
- Reimbursements may not exceed the total cost of the service provided.
- Rebates will be reimbursed within 3-5 weeks of receipt submission.
- It is understood that septic system operation and maintenance—including regular inspections—are the responsibility of property owners. Rebates are only made available as funding allows. It is up to septic system owners to comply with County code and State law whether funding for incentives is available.
- One rebate will be granted per household within a 12-month period. "Household" means the economic institution of a group of people living and making decisions together in a single dwelling.
- Rebate funds may be increased past established threshold in emergency cases upon investigative reasoning by a local health officer only.
- Rebates include reimbursement for locates/inspections, and additional work as needed (see #20) to address septic system deficiencies, as noted on inspection report.
- Rebates are intended for septic system locates, inspection services, and system deficiencies as noted on inspection report, including septic tank pumping, adding risers, jetting pressurized drainfield, replacing minor components for maintenance, and work done to complete decommissioning of a septic tank no longer in use (this does NOT include permit fee and/or designer costs) for decommissioning of a tank.
- Septic tank pumping alone is not a complete inspection and is not eligible for reimbursement without prerequisite inspection except in cases of extreme public health concern. This is to be determined by a site visit by a local health officer in emergency cases.
- PSA funds may be available in extreme hardship cases in which are to be determined only by a local health officer.
- PSA funds are capped at \$2,000.00 per household per year. PSA funds are reserved for emergency services to be determined by a local health officer.
- Reimbursement amounts are based on actual costs (PAID invoice amount).

*To be completed by EH Staff/*

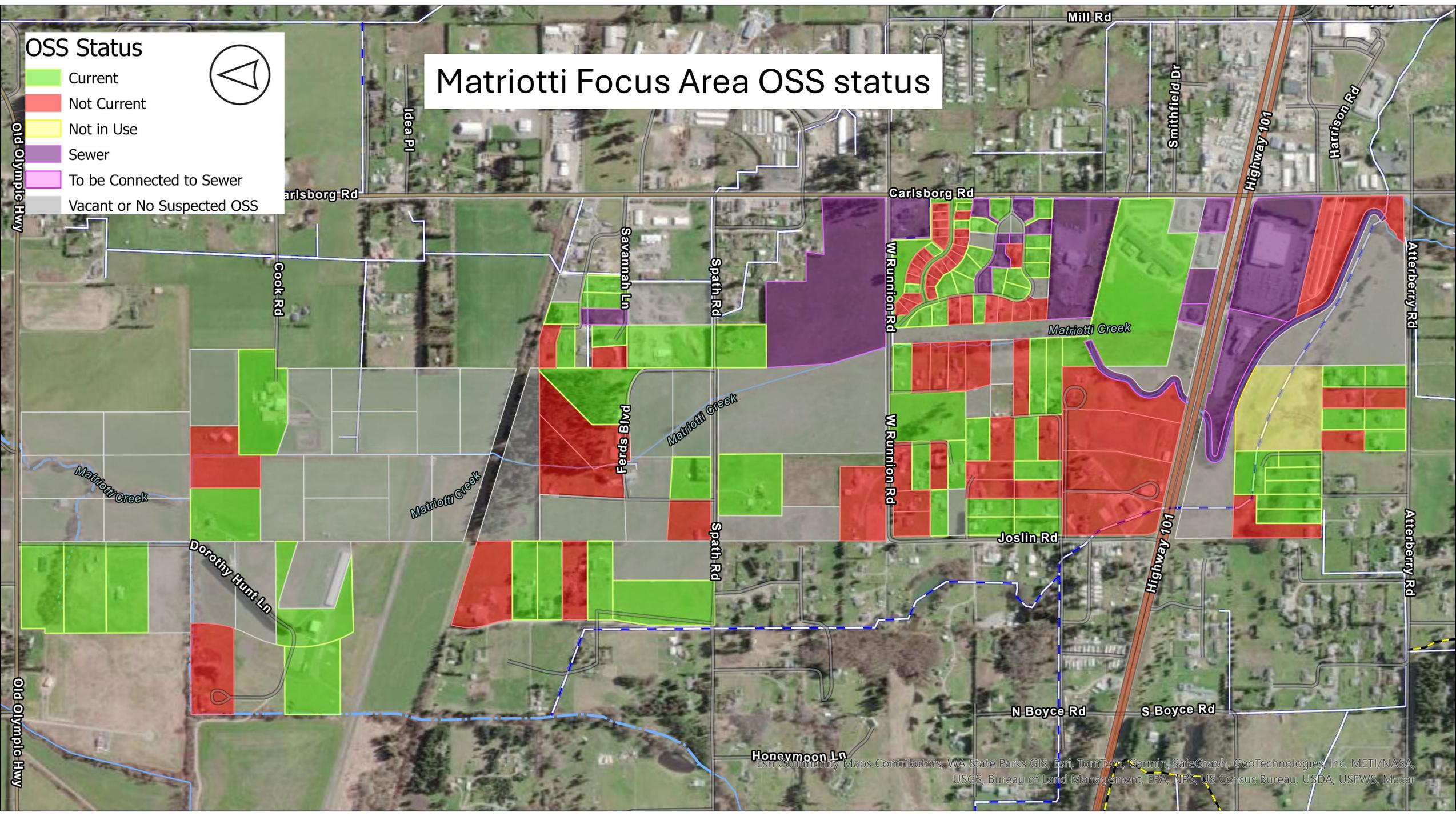
<input type="checkbox"/> Above information verified.	<input type="checkbox"/> Approved amount:	PROGRAM: Onsite Program 56254.49.0150
<input type="checkbox"/> Date reviewed: _____	\$ _____	____ OSS Fee
<input type="checkbox"/> Reviewed by (initial) _____		____ OSS LMP IMP Grant
		____ PSA - OSS Fee / LMP/IMP grant

# OSS Status



- Current
- Not Current
- Not in Use
- Sewer
- To be Connected to Sewer
- Vacant or No Suspected OSS

## Matriotti Focus Area OSS status

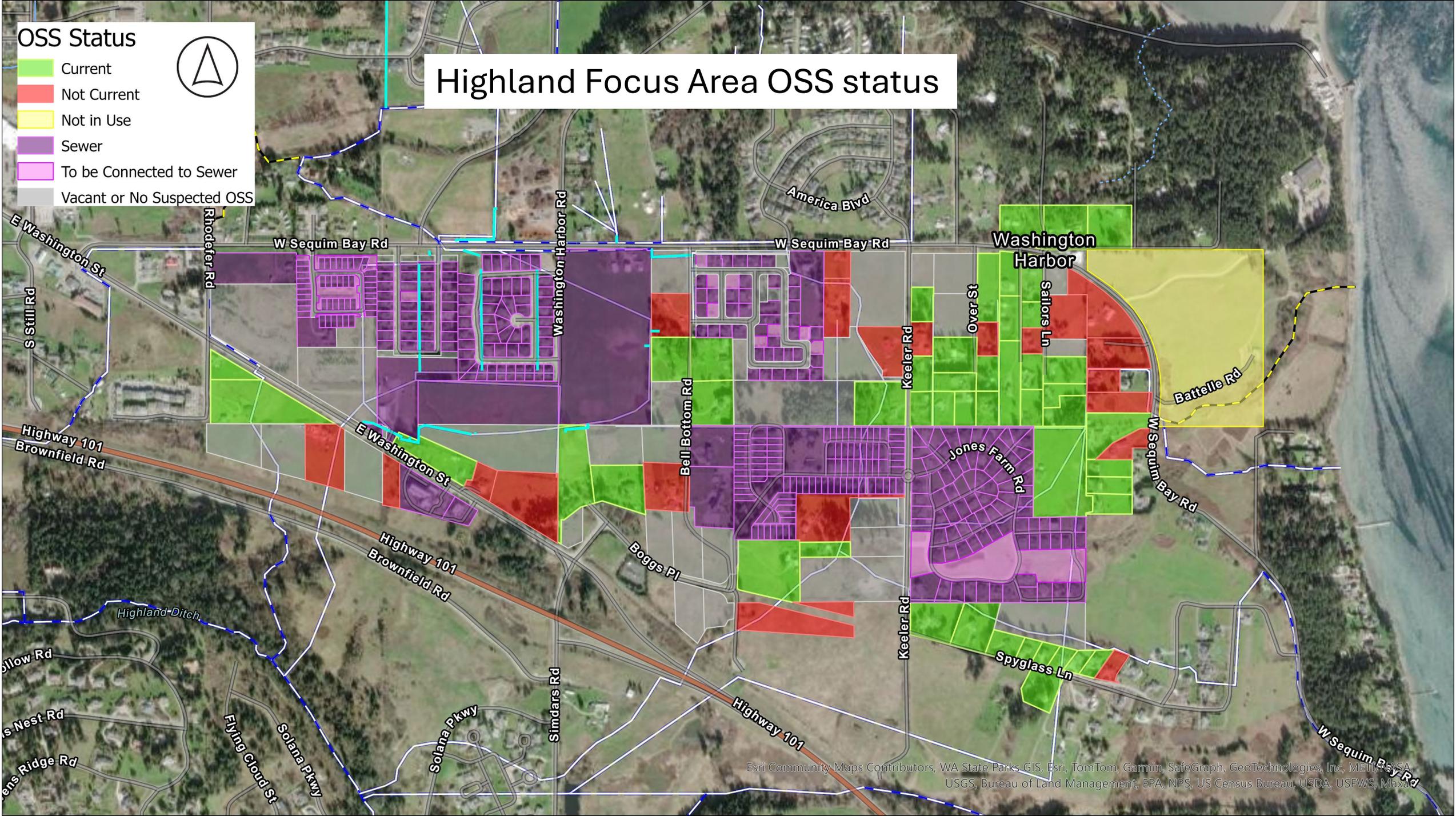


**OSS Status**

- Current
- Not Current
- Not in Use
- Sewer
- To be Connected to Sewer
- Vacant or No Suspected OSS



# Highland Focus Area OSS status



# THANK YOU

*Good afternoon, Sandra,*

*Wow, the upcoming rebate is very generous, and you have been amazing in expediting it so quickly despite my computer software glitch!*

*I am very grateful that our local government is extremely helpful to its citizens even though the U.S. Federal government is currently in such terrible political turmoil. Bravo! Best regards, Dianne*

**“Just confirming, this IS a great program! I am very grateful. Thank you!”-Victoria**

**THIS IS A WONDERFUL PROGRAM. THANKS -DENNIS**

**THANK YOU SO MUCH SANDRA. AS A WIDOW ON A SINGLE FIXED INCOME, THIS REBATE IS MUCH APPRECIATED. I AM GLAD TO LIVE IN A COUNTY THAT HAS THIS PROGRAM**

Hi Sandra,

I really appreciate the communication and how easy you've made this process.

**-DIANE**

Cheers,  
Elizabeth

Good morning, Sandra, we got our rebate this weekend. I cannot thank you enough.  
You're a rockstar 🎸

Thank you so much, Sandra. I really appreciate your help and the County's program.

-Rebecca

Thank you, Sandra. I was so happy to find out about this program from our septic inspector. This will really help us out.

Thank you



Clallam Conservation District

# Pollution Identification & Correction (PIC)

October 9, 2025

Jennifer Bond

*Conservation Planner*

Quentin Norcutt

*Conservation Technician*

# Clallam Conservation District (CCD):

- Sub-division of state government created in 1959 to conserve the natural resources of Clallam County.
- Help land users manage natural resources sustainably.
- NOT a regulatory agency
- Funded by grants.



# **Board of Supervisors**

**Christy Cox, Chair**

**Wendy Rae Johnson, Auditor**

**Supervisors: Lori DeLorm, Ben Smith, Maggie  
Bockart**

## **Staff**

- **Kim Williams, District Manager**
- **Meghan Adamire, Conservation Planner**
- **Jennifer Bond, Conservation Planner (1/2 time)**
- **Kevin Merrigan, Conservation Technician**
- **Quentin Norcutt, Conservation Technician**
- **Heather Ginn – Office Administrator**

# Annual Native Plant Sale



# Low-Cost Soil Testing Program



# **CCD & PIC:**

## **How we help identify & fix water pollution problems:**

- **Assistance to horse/livestock owners and farmers.**
- **Assistance to homeowners with failing onsite septic systems.**
- **Assistance to streamside landowners for planting buffers.**



# Horse/Livestock & Farms

- Free technical assistance & site visits
- Long, successful history of cost-share assistance on farms:
  - Fencing livestock away from streams
  - Manure storage structures
  - Heavy use areas for animal confinement/  
winter feeding
  - Roof runoff management on barns









## Workshops for Horse & Livestock Owners



# Onsite Septic System Repair Financial Assistance

- Program began in 2014
- Funded by various grant sources including Dept. of Ecology and WSCC-Shellfish program.
- 31 projects completed to date
- 3 projects currently in progress



# Program Details

## Program Reimburses:

- 100% of design costs
- 100% of permit costs
- 50-75% of installation costs
  - Craft3, Rural Development can also help



# Program Eligibility

- **Must be owner-occupied (rental properties are not eligible).**
- **Failing OSS must impact nearby waterways.**
- **Referred to CCD by Clallam County Environmental Health**
- **Homeowners must attest to not having the financial resources to fix/replace the failing system on their own.**



# OSS COST-SHARE STEPS

1. Homeowner referred to CCD by CCEH.
2. Homeowner submits cost-share application.
3. CCD applies for funding from WSCC.
4. CCD board approves/rejects application (applicant encouraged to attend board meeting).
5. Homeowner hires a licensed designer.
6. Homeowner obtains 3 bids from licensed installers.
7. Funding award based low bid, however homeowner can hire whichever contractor they choose.
8. System is installed/repaired, homeowner reimbursed (50-75%) upon CCEH approval.
9. Homeowner reimbursed for design and permit costs.
10. O&M plan required for each system.



# Streamside Landowners

- Free technical assistance & site visit
- Conservation Reserve Enhancement Program (CREP)
- Riparian Grant Program(100% of riparian planting costs covered by this program)



# What is a Riparian Buffer?

Riparian buffers are vegetated zones adjacent to streams and wetlands



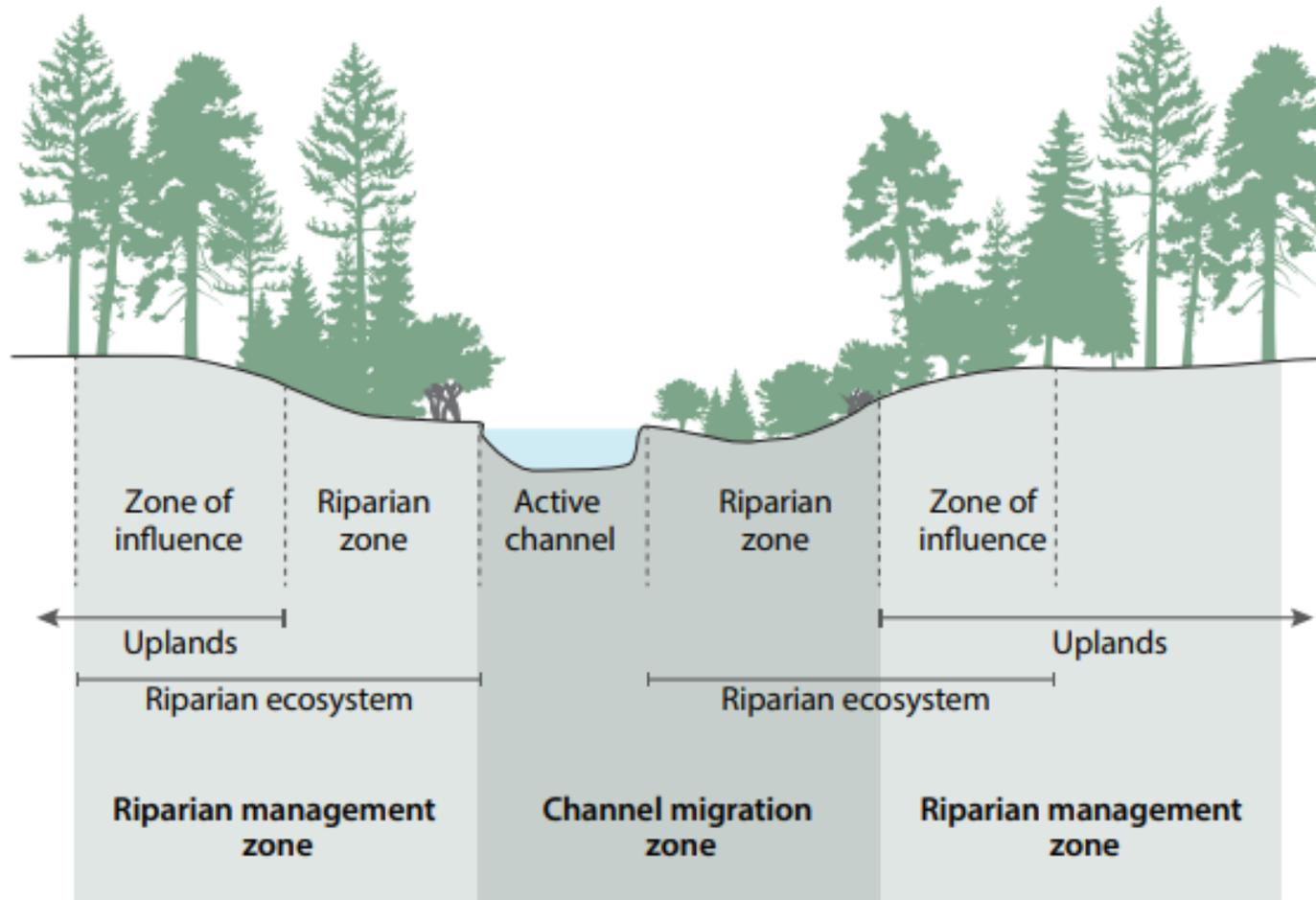
Forested  
Buffer



Farmland



# Riparian Zone



# Benefits of Riparian Buffers

- **Vegetation can stabilize the bank and reduce the risk of erosion**
- **Can reduce impact of flooding**
- **Attract pollinator species**
- **Riparian buffers can filter for sediment and pollution**
- **Shade can cool down stream**
- **Fallen trees provide habitat for fish and macroinvertebrates**



# CREP

## Conservation Reserve Enhancement Program



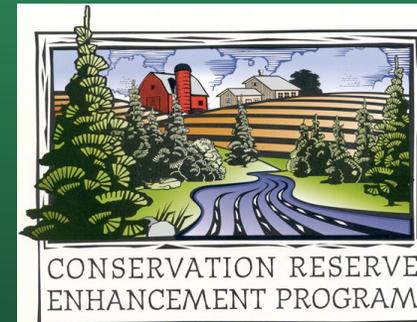
*Clallam River*



Clallam Conservation District

# CREP DETAILS

- **Financial incentives to restore riparian areas.**
- **Federal-State partnership between Farm Service Agency (FSA) and Washington State Conservation Commission.**
- **Planning, technical assistance and program delivery provided by Conservation Districts.**
- **Land must either be, or have been:**
  - **Cropland**
  - **Pastureland**
- **Less than 30% conifer cover in proposed buffer**



# WCC Crew Planting CREP Site on Hoko River



# Riparian Grant Program

- Program to focus on restoration of areas critical to salmon habitat
- This program helps private landowners to install riparian buffers along streams/rivers



# Riparian Grant Program Benefits

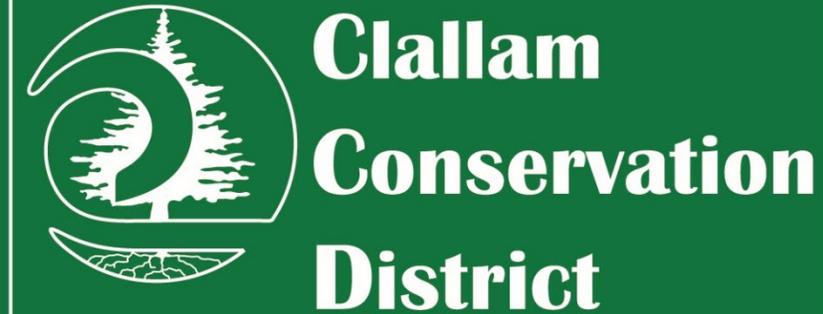
- We provide the planning and technical assistance
- Will cover all the cost of buffer installment
  - Initial weed treatment
  - Purchasing of plants
  - Planting
  - Riparian fencing (if needed)
  - First year maintenance, ongoing maintenance as funding allows
- Short-term installments, no long contracts and  
No minimum acre requirement



# RGP Site Along Big River



# Thank You!



Visit us on the web at [www.clallamcd.org](http://www.clallamcd.org)

**Contact Email:**

**Jennifer Bond:** [jennifer.bond@clallamcd.org](mailto:jennifer.bond@clallamcd.org)