

TRUTTLE ACCESS

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Location



The Skokomish Tribes "Performance Partnership grant (PPG)" has three components. **EPA Grants**

- **The General Assistance Program (GAP)** grant which help the Tribe build capacity for managing environmental programs, long-range and continued environmental oversight, and protection of critical habitat of the Skokomish River Estuary, Annas Bay, and other Skokomish Tribal lands.
- **The 106 Clean Water Act** grant which assist the Tribe in protecting wetland habitat as well as provide for ground and surface water monitoring (including TMDL sampling) and the implementation of watershed policies.
- The 319 non-point source pollution grant allows the Tribe to manage non-point pollution sources affecting the lower Skokomish River and Reservation waters.

The result of the goals, tasks and implementation of our PPG we increased capacity to protect natural resources critical to the Tribe . We can focus on Reservation and regional issues affecting the aquatic and wetland resources in our Usual and Accustomed (U&A) Treaty fishing areas, as identified in the 1855 Treaty of Point No Point and codified in US v. Washington (Boldt Decision) including <u>salmon recovery</u>, <u>watershed planning</u>, <u>flood management</u>, and <u>habitat restoration</u>.

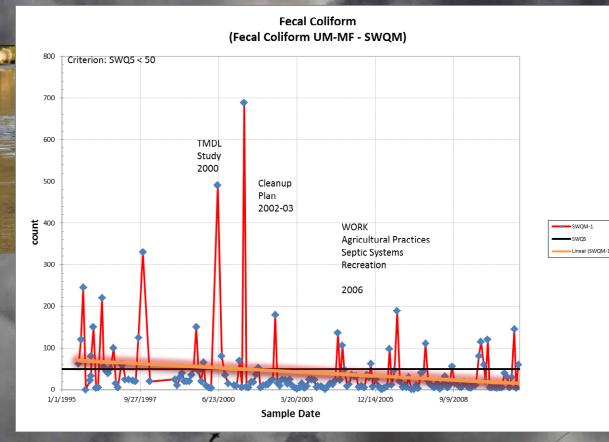
Tribal Usual and Accustom Area

21 Surface Water Quality Monitoring Sites

> 9 Ground Water Monitoring Locations

Working to Protect, Maintain

and Sustain



Partnerships to Get a Healthy River and Watershed

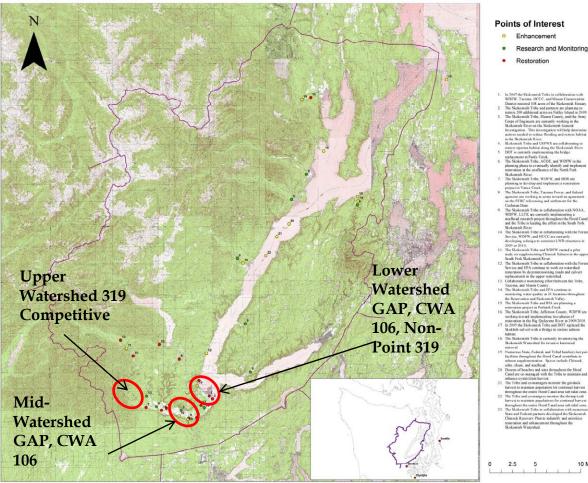
- Skokomish Watershed Action Team (SWAT) working together
 - U.S. Forest Service for the upper watershed
 - Local Conservation Service for mid-watershed
 - State Department of Transportation, EPA, Army Corps, Private landowners, Public Utilities for lower watershed
 - Environmental Organizations

Results:

Major river and wetland restoration and improving water quality.

Various Projects to Create a **Healthy Environment**

Skokomish Generalized U&A Enhancement, Monitoring, and Restoration Activities



- Points of Interest
 - Enhancement
 - Research and Monitoring
 - Restoration

In 2007 the Skokomith Tribe in collaboration will WDFW. Tacoma: HCCC, and Mason Conservation Duritic metored 108 acress of the Skokomith Entr The Skokomith Tribe and partners are planning to restore 200 additional acress on Nalley Island in 27 the Skokomith Tribe. Mason County, and the Art

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- nt at Purdy Creek. omish Tribe, ACOE, and WDFW in the
- anning phase to eventually identify and imple storation at the confluence of the North Feek
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- and the Tribe is Scaling the effort in the South F Scolomish Reier The Stokomish Tribe in collaborating with the J Service, WDPW, and HCCC are currently developing a design to construct LWD structure 2009 or 2010, The Stokomish Tribe and WDFW exared a pilo ating with the Fore

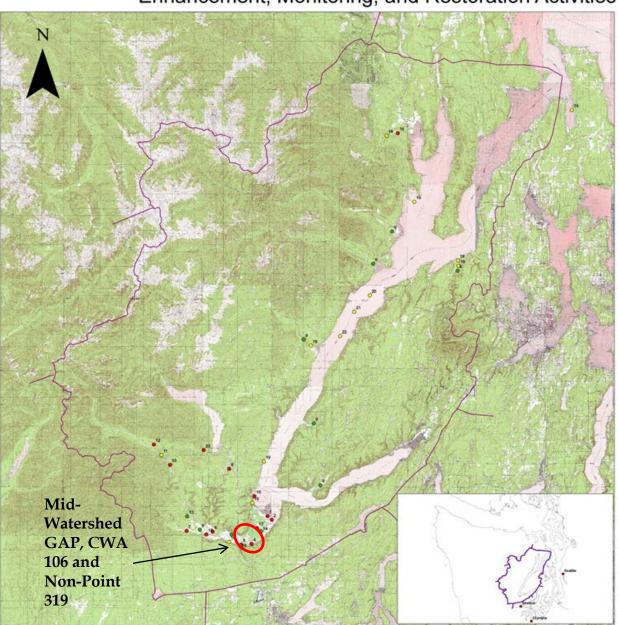
- a discontrat implementing two phases of storation in the Big Quilecene River in 2009/2010 2005 the Skokomish Tribe and DOT replaced the okbeb ealytert with a Bridge to restore salmon
- Skokomish Watershed for invasive knotwee
- Soloumit Watershed for invasive Rooteed rootwin. State, Federal, and Terhal hashery her po-facilities throughout due Hood Canal contribute to submens supplementation. Spices include Chineda, colo, cham, and stochtead. Doorns of Reaches and sizes throughout the Hood Doorns of Reaches and sizes throughout the Hood Canal are co-managed with the Tribe to maintain an induce on stricting haverat.
- yster/clain harvest, and co-managers monitor the geoduck.
- nacestris manuan population for communitance, throughout the entire Hood Canal area sub-todal cor. The Stolomish Tribe in collaboration with manner State and Factoral partners developed the Stolomis Chinook Recovery Plan to indentify and prioritize restoration and onhancement throughout the Sockomish Watersbed.
- 2.5 5 10 Mile:

South Fork Skokomish Road Stabilization and Drainage Upgrade Project (Upper Watershed)

■ Project Expenditure EPA 319 Funding \$145,000

- 8.2 miles of road improvements.
- Culverts retrofitted, replaced and installed
- Ditches cleaned
- 700 cubic yards of unstable road fill removed.
- The Forest Service contributed approximately \$30,700 in salary. In addition, the Olympic National Forest contributed approximately \$10,300
- Contributions by non-federal partners for the period 2005-2008 totaling approximately \$96,000 in funds and \$71,400 in in-kind.
- Additional work completed during 2005-2008, 2009, the Olympic National Forest and partners secured over \$3 million in additional funds to complete road work within Skokomish watershed.
 Total Leverage of \$145,000 + \$208,400 + \$3.0 million

Skokomish Generalized U&A Enhancement, Monitoring, and Restoration Activities



Points of Interest



- Research and Monitoring 0
- . Restoration
- 1.
- In 2007 the Skekenish Tribe in collaboration with WDFW, Tacona, NCCC, and Mason Conservation Datast neurone 108 arens of the Sokkenish Essawy. The Skekenish Tribe and partners ne planning to reasons 200 deliveration areas on Malky Island to 2009. The Skekenish Tribe, Mane Courty, and the Army 3. The Seasonman is rine, vision county, and the virity Corps of Engineers are currently working in the Scolomish Koveren the Stokennish General Investigation. This investigation will help determine actions needed to reduce flooding and restore habitat
- in the Skokonish River. 4. Skokonish Tribe and USFWS are collaborating to
- restore riparian lubitat along the Skokenish River DOT is currently implementing the bridge
- replacement at Pardy Creek. The Skokemish Tribe, ACOE, and WDFW in the planning plane to eventually identify and implement restoration at the confluence of the North Fork 4 Skokomish River. The Skokomish Tribe, WDFW, and DOR are
- planning to develop and implement a restoration project in Varce Creek. The Skelo-mish Tribe, Tacona Power, and federal
- . approxies are working to come toward an agreement on the FERC relicensing and settlement for the
- the net rank, response game transmitter for the Cashina Dahr, ribe in collaboration with NOAA, WDFW, LLTK are correctly implomenting a weathead research project the templest the Henol Casal and the Tribe is leading the offset in the South Fork. Skokomish River
- The Stakomish Tribe is collaborating with the Forest Service, WDFW, and RCCC are currently developing a design to construct LWD structures in
- 2009 or 2010, 11. The Skekemish Tribe and WDFW started a pilor. study on supplementing Chinock Salmon in the upper South Fork Skokomish River.
- seems rork Stackonstill Kiver. 12. The Stackonstill Fried in colliboration with the Forest Service and EPA continue to work on watershed restoration by decommissioning roads and oilvert replacements in the upper watersheld.
- repactments in the apper variation.

 Collaborative memoistering effort between the Tribe Tacoma, and Mason County.
 The Stationnich Tribe and EPA continue to monitoring water quality at 21 sociations to monitoring water quality at 21 sociation throughou the Reservation and Skokomish Valley.
- The Skokomish Tribe and BLA are planning a restoration project in Perlatch Creek.
 The Skokomish Tribe, Jefferson County, WDFW are
- The Statistensish i rule, Adlancoo Ceanty, WDP ware working toward implementing two phases of restoration in the Big Quelocore River in 2009/2019. In 2005 the Skokomish Tribe and DOT replaced the Skokhob colvert with a Bridge to restore solmon
- habitat. 18. The Skeleswish Tribe is currently investorying the Skoleswish Watershol, for invasive knotwead
- ten oval. Numerous State, Federal, and Tribal hatchery bet pen facilities throughout the Heod Canal contribute to 19 solmon supplementation. Spices include Chinook, coloo, chum, and steelhead.
- Dozens of beaches and wirs throughout the Bood Canal are co-managed with the Tribe to maintain and enhance system claim harvest.
- 21 The Tobe and co-managers monitor the geoduck
- horvest to maintain population for continual harvest broughout the entire Hood Canal area sub-tidal cone.
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2.5

10 Miles

Mid-Watershed Projects

SS 49 SS 56SS 70

SS 97

SWQM-14

Hwy 101 Bridge Replacement

Riparian Buffers

"Hwy 106 Culvert Replacement

River Road Culvert Replacement and Road Abandonment

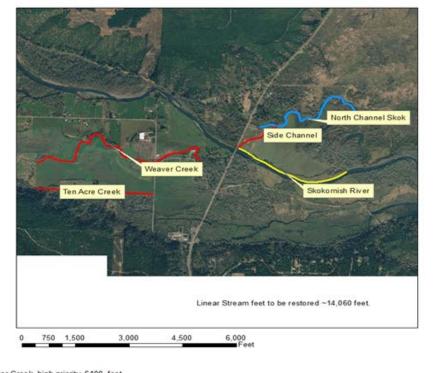
East Bourgault Bridge Removal



Mid- watershed Projects Identified Through 319 Funding

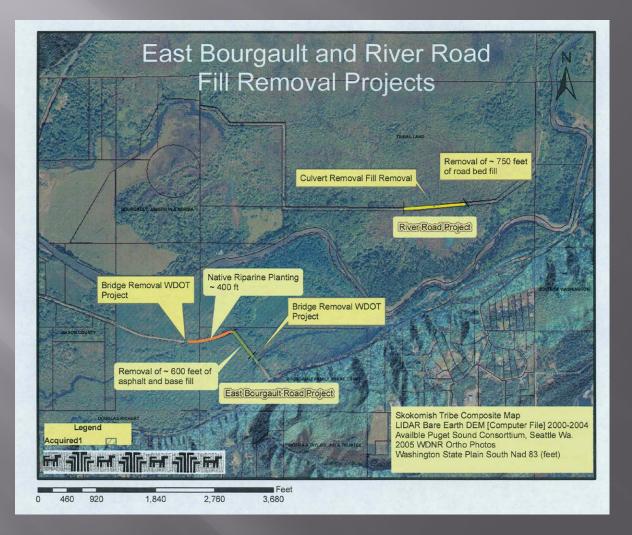
 Working with Mason County, Washington Department of Ecology and Mason Conservation





Weaver Creek, high priority, 5100 feet. Limited to no fencing, lacking riparian cover. Ten Acre Creek, high priority 3240 feet. Limited fencing, lacking riparian vegetation. Skokomish River, medium priority 3460 feet, area fenced but lacking riparian vegetation, side channel high priority 1260 feet, no fencing and no riparian cover, north channel low priority, area completely fenced and enrolled in CREP 27 acres

Road Restoration



Mid-Watershed Restoration Supported by 106 and 319

East Bourgault Road Project 2009



Before



During







Washington Department of Transportation Purdy Creek Bridge Mitigation Restoration of East Bourgault Road After



Slide 1

Mid-Watershed Restoration Supported by 106 and 319





Before



After

Isolated Pool where 100 coho seined

with channel



Rough-skinned newt

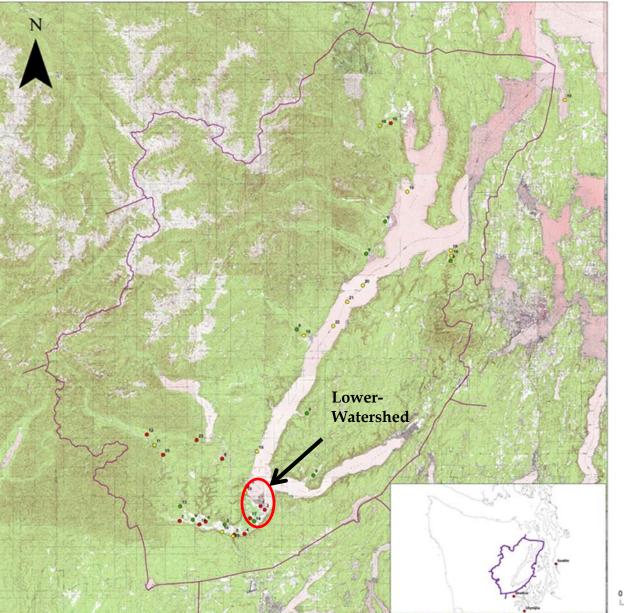
Now flowing water Note: Clear Water



Crayfish

Two Days after project completion Coho, sticklebacks, and sculpin swimming throughout project area.

Skokomish Generalized U&A Enhancement, Monitoring, and Restoration Activities



Points of Interest

- 0 Enhancement
- Research and Monitoring 0
- Restoration
- In 2007 the Skokemish Tribe in collaboration with WDFW, Tacoma, HCCC, and Mason Conservation District restored 108 acres of the Skokonish Estuary
- The Skekamish Tribe and partners are planning to restore 200 additional acres on Nafley Island in 2009. The Skekamish Tribe, Mason County, and the Army The Sokaminsh True, Mann Lunny, and the Army Coops of Engineers are correctly working in the Skekonish Ever on the Skekonish General Investigation. This investigation will help distribute scients needed to reduce fleeding and renove habitat in the Skekonish River.
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- WDFW, LLTK are currently implementing a nochead research project throughout the Hood Canal and the Tribe is leading the effort in the South Fork.
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- monitoring water quility at 21 locations throughout the Reservation and Stackinasi Velley. 15. The Stockenish Trobe and BAA are planning a resourcator project in Arthoft Coresk. 16. The Stockenish Trobe, Aldrean Conset, WOTW are serving twee and implementing true planns of resources in the Big Oralizone Review in 2009/2019. (7) In 2019 the Stackenish Trobe and ODT replaced the Stackets endvertwish a Bredge to restore salmon baktor.
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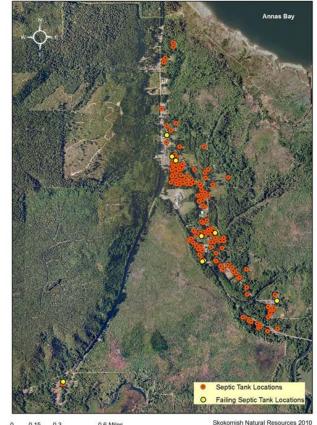
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10 Miles

2.5

Reservation Restoration Supported by 106 and 319

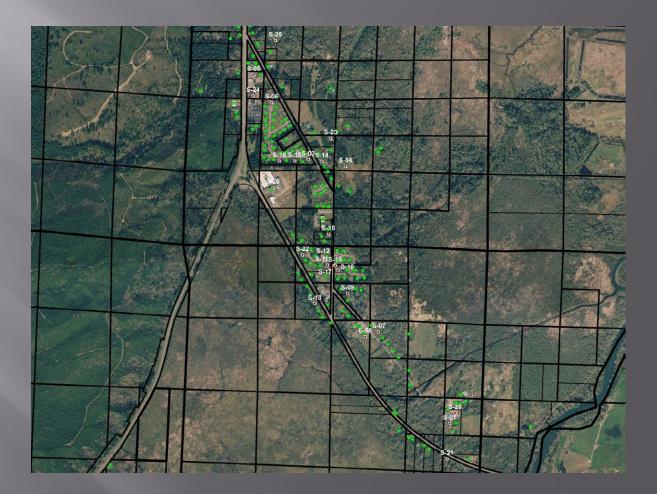
Failing septic tanks identified and prioritized for replacement Skokomish Septic Inventory 2010



0 0.15 0.3 0.6 Mile

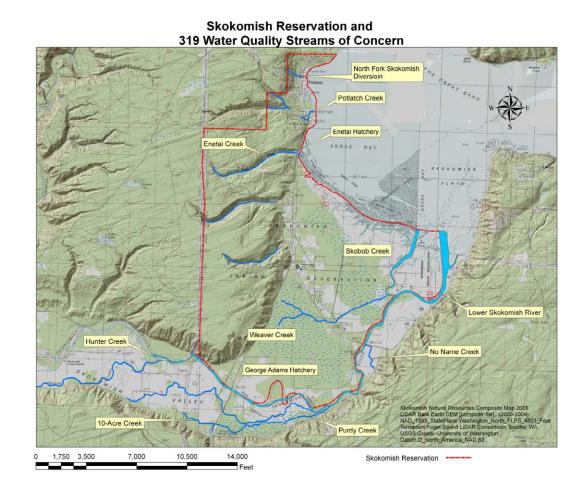
Reservation Restoration Supported by 106 and 319

Tribal Drinking Water System Supported by EPA Coordinator Oversight and Sampling Reviews.



Reservation Restoration Supported by 106 and 319

Water Quality Monitoring Program Locations



Reservation Projects Supported by 106 and 319

- Initiated fresh and marine water quality assessment – 21 freshwater sites and 9 well monitoring sites (data used by state and county for TMDL's and health related warnings)
- Planned, built and working toward a certified water quality lab (Lab being certified for TP, TN EPA reporting requirements)
- Developed comprehensive draft Skokomish Tribal Water Quality Standards (Under EPA review)
- Developed a 319 assessment of the waters of the Reservation
- Developed a 319 management plan for waters of the Reservation

Major Restoration of Skokomish Estuary—due in part by GAP, CWA 106, and Non-Point 319

Rebirth of an Estuary







Distri

Mason Conservation District

Skokomish Estuary Restoration









Recreation and Conservation Office



Northwest Indian Fisheries Commission Tiffany Royal

GAP help with permitting – process

Masc

- Biological Assessment (BA) for the project as well developing GIS mapping products
- Water quality program supporting need
- Federal Agencies relying on EPA funding grants

Project Information

Species benefited: Puget Sound Chinook Hood Canal Summer Run Chum Steelhead Bull Trout Project Costs: • \$1.6M, Phase 1 • \$1.9M, Phase 2 Contractor: Quigg Bros.

Goals and Objectives

Restore river/estuary function and processes

- Flooding
- Sediment transport
- Tidal prism
- Restore habitat for biological communities
 - Fish and wildlife
 - Vegetation
 - Shellfish
- Water Quality
 - DO
 - Fecal coliform



Effectiveness



Effectiveness



Skokomish Tribe and EPA

- Funding Allows Planning
- Funding Allows Implementation
- Partnership That is Mutually Beneficial
- Winners Include Healthy Watersheds', Tribal Communities