



Western Washington University  
Western CEDAR

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Salish Sea Ecosystem Conference

2018 Salish Sea Ecosystem Conference  
(Seattle, Wash.)

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Apr 4th, 4:00 PM - 4:15 PM

## Integrated agricultural riparian stewardship in the Stillaguamish and Snohomish watersheds

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Marshall, Kristin; Dittbrenner, Cindy; Byron, Carrie; and Hume, Colin, "Integrated agricultural riparian stewardship in the Stillaguamish and Snohomish watersheds" (2018). *Salish Sea Ecosystem Conference*. 85.

<https://cedar.wwu.edu/ssec/2018ssec/allsessions/85>

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# Integrated Riparian Stewardship in the Stillaguamish and Snohomish Watersheds

Salish Sea  
Ecosystem  
Conference

April 4<sup>th</sup>, 2018



**Snohomish Conservation District**

*working together for better ground since 1941*





# Snohomish Conservation District

*working together for better ground since 1941*

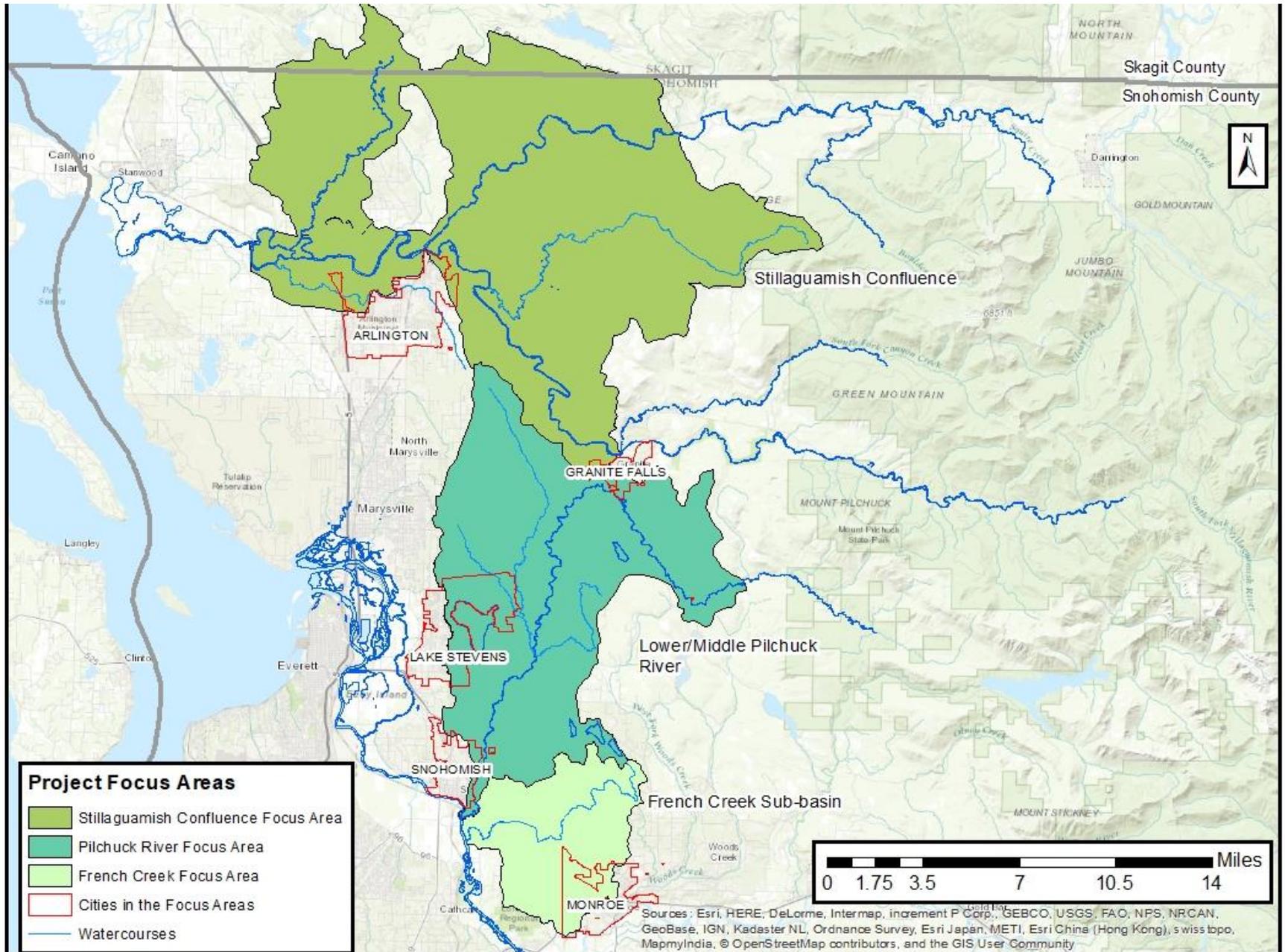


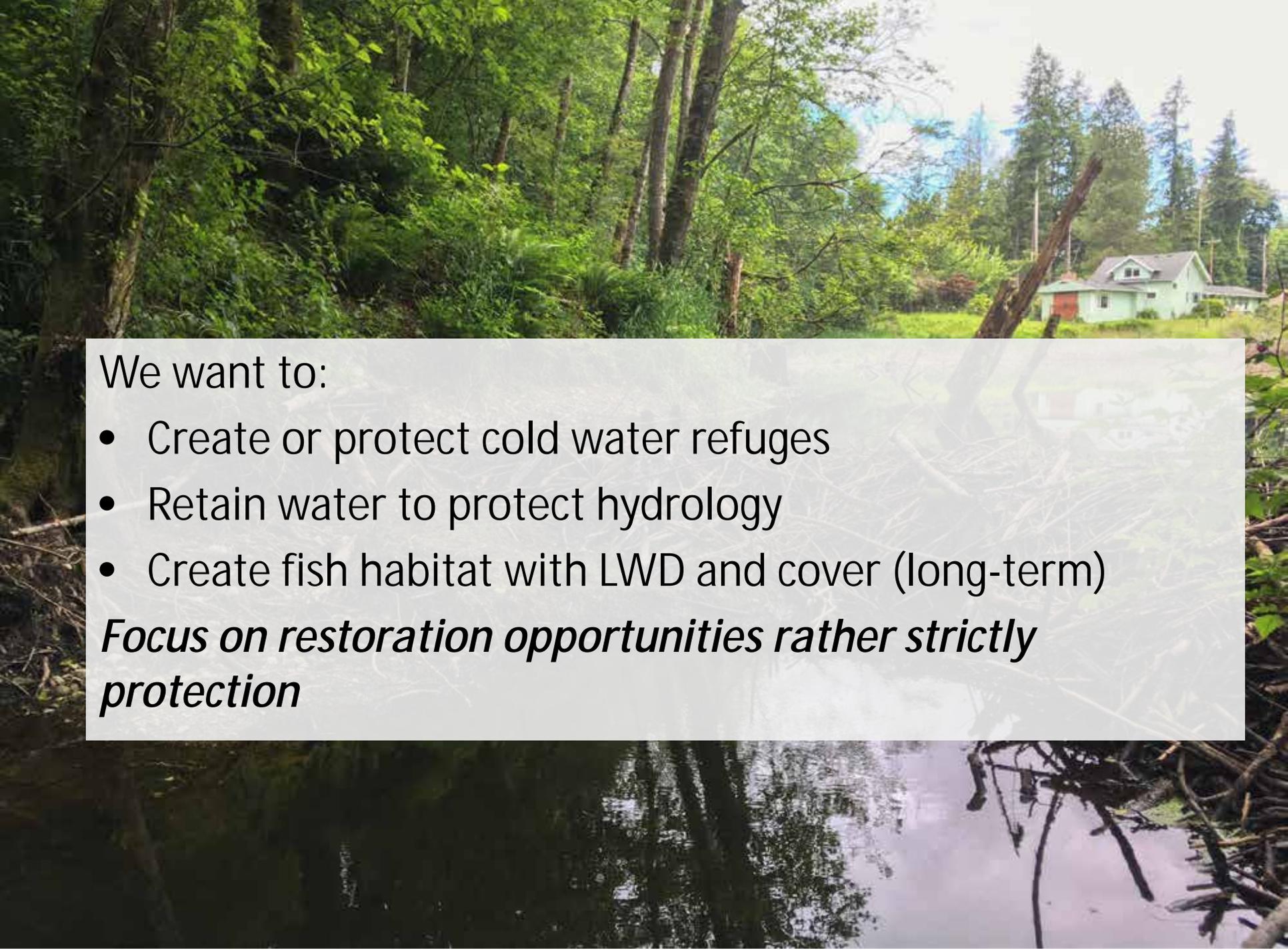
**Snohomish County**  
**Public Works**  
*Surface Water Management*



DEPARTMENT OF  
**ECOLOGY**  
State of Washington

# Project Focus Areas

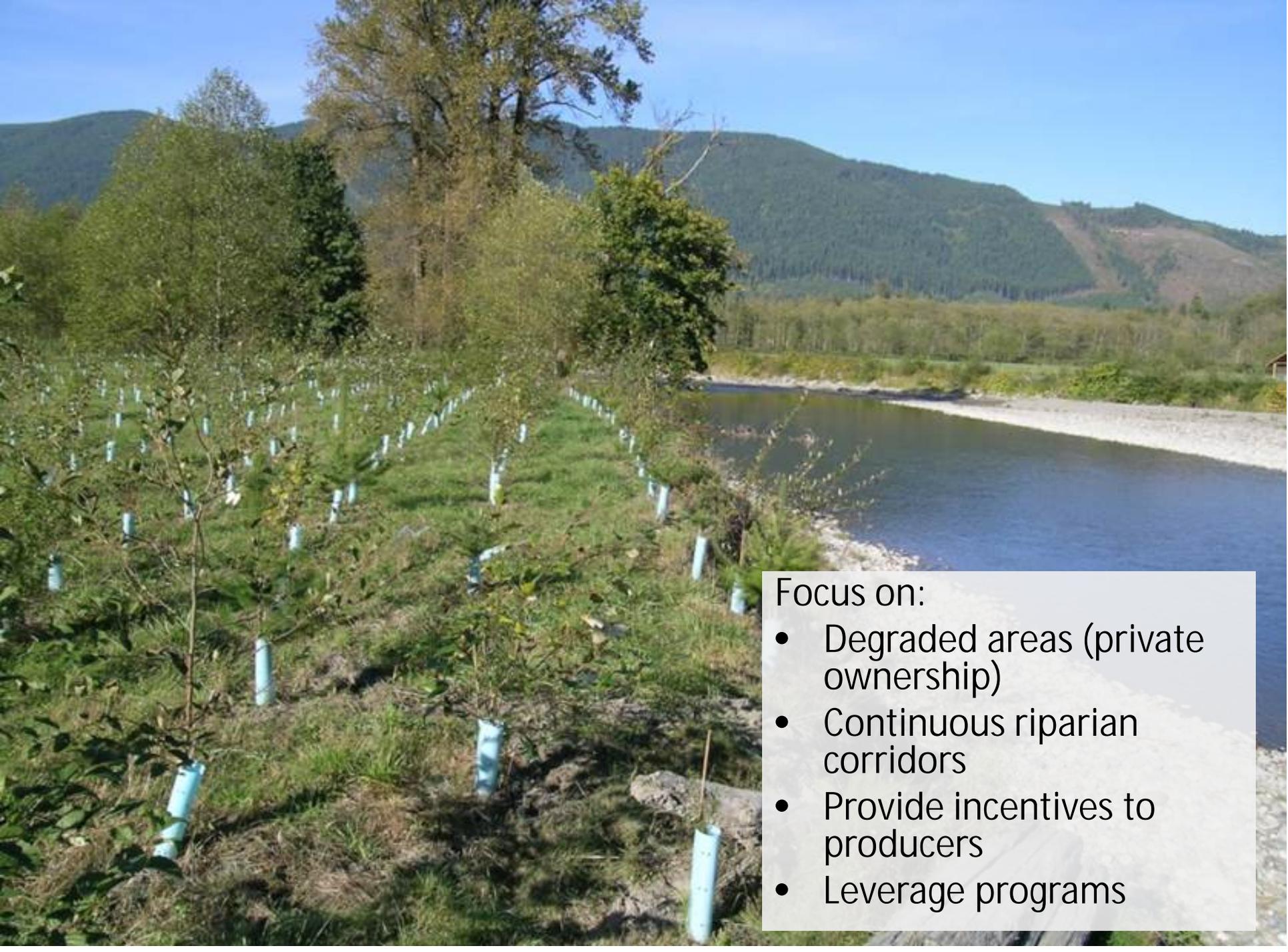


A scenic view of a forest with a house in the background and a stream in the foreground. The foreground shows a stream with fallen branches and reflections. The middle ground is a dense forest of green trees. In the background, a small white house with a red door is visible on a grassy slope. The sky is blue with some clouds.

We want to:

- Create or protect cold water refuges
- Retain water to protect hydrology
- Create fish habitat with LWD and cover (long-term)

***Focus on restoration opportunities rather strictly protection***



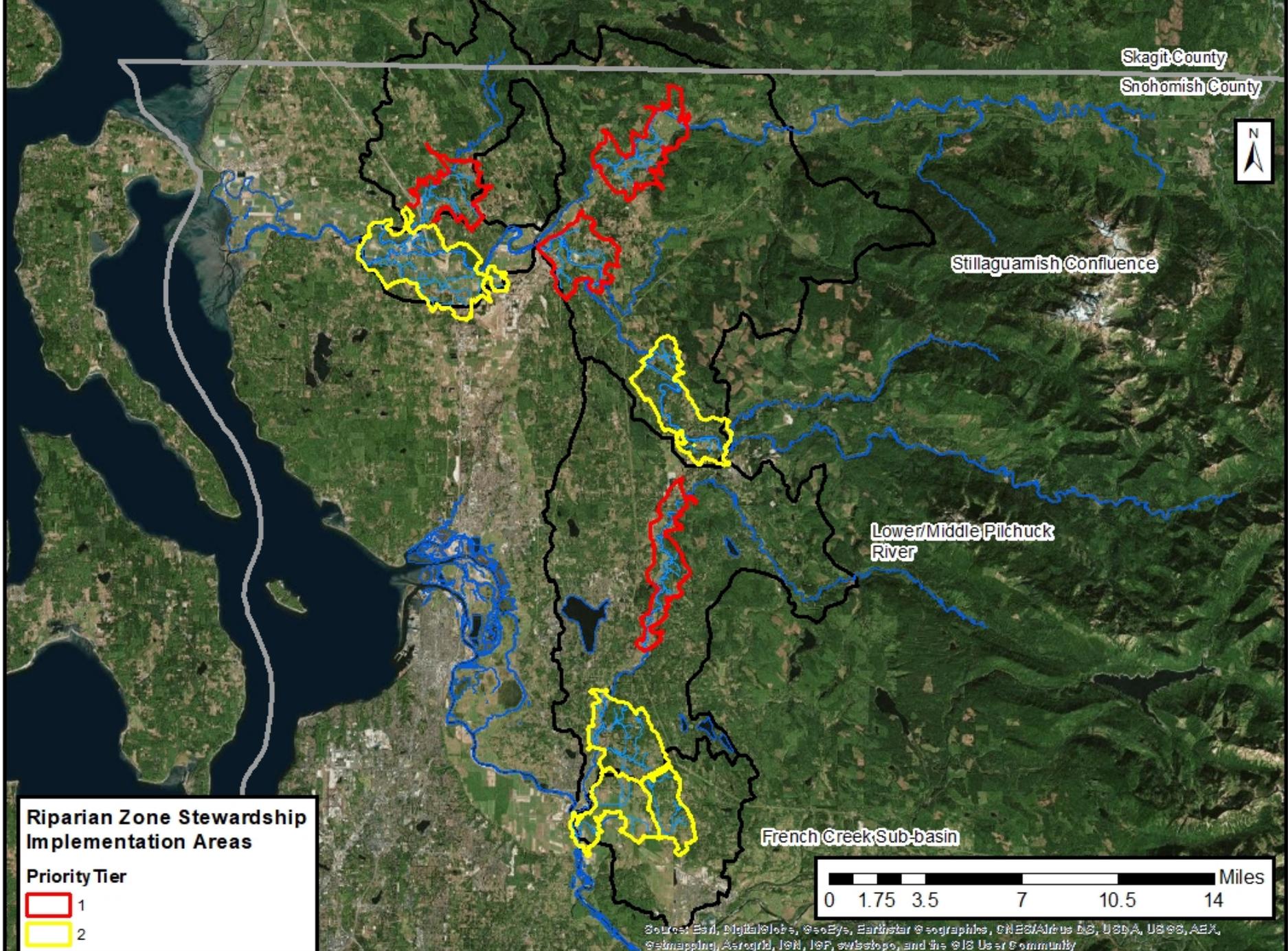
### Focus on:

- Degraded areas (private ownership)
- Continuous riparian corridors
- Provide incentives to producers
- Leverage programs

Focus on riparian as well as other restoration project opportunities







Tier 1 Implementation Area	% Existing forest and Wetland Cover in 100 ft Riparian Buffer (based on SWM 2008 CAR data)	Acres of Rest and Wetland Re-forestation needed to Achieve 80% Cover	Number of Identified High Priority Parcels (Number of Landowners) Identified for Phase I Outreach
Lower Pilchuck Creek	66%	53 acres	22 parcels (20 landowners)
Lower NF Stillaguamish	63%	70 acres	95 parcels (56 landowners)
Lower SF Stillaguamish	63%	58 acres	25 parcels (21 landowners)
Middle Pilchuck River	67%	55 acres	60 parcels (44 landowners)
Total		236 acres	202 parcels (141 landowners; 156 mailing addresses)

# Precision Outreach

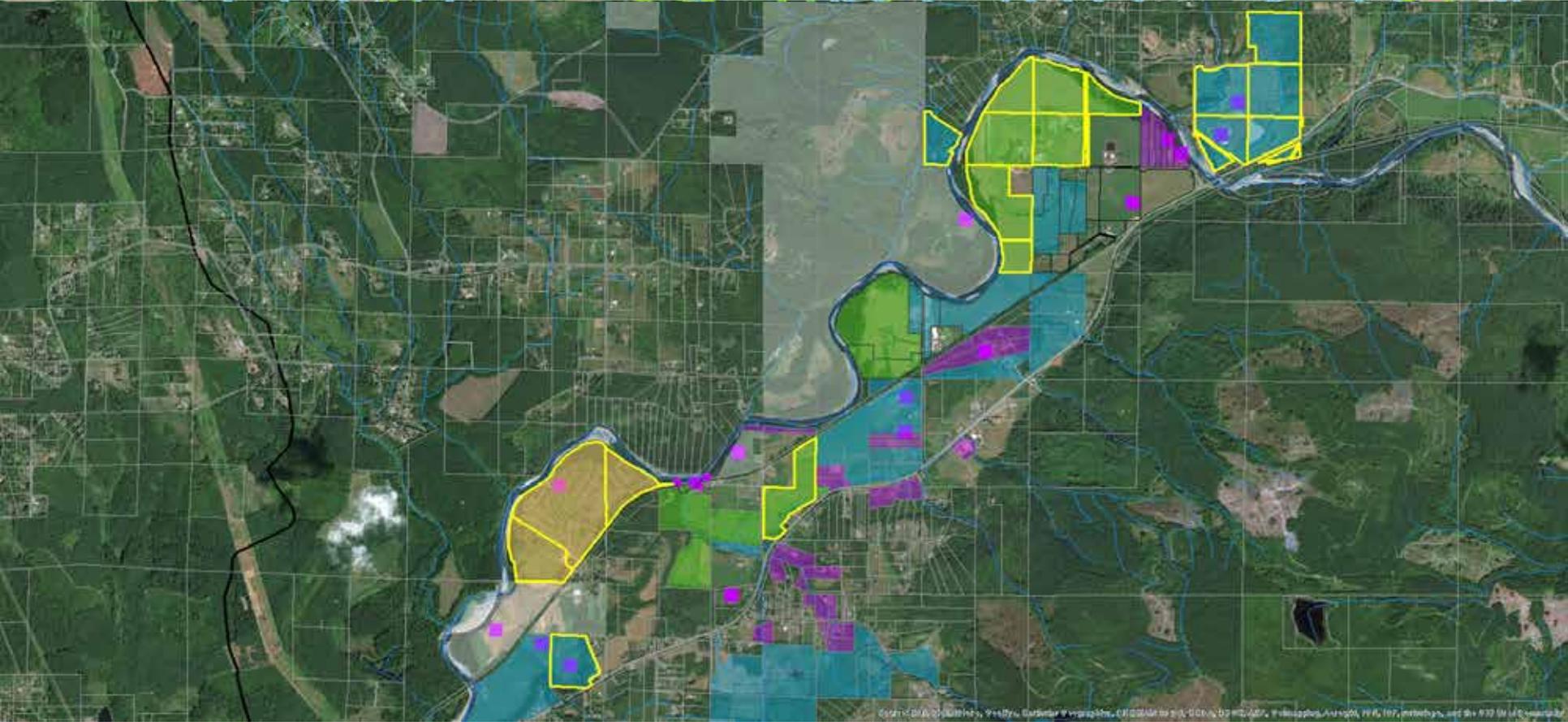
Identified 141 property owners (202 parcels)

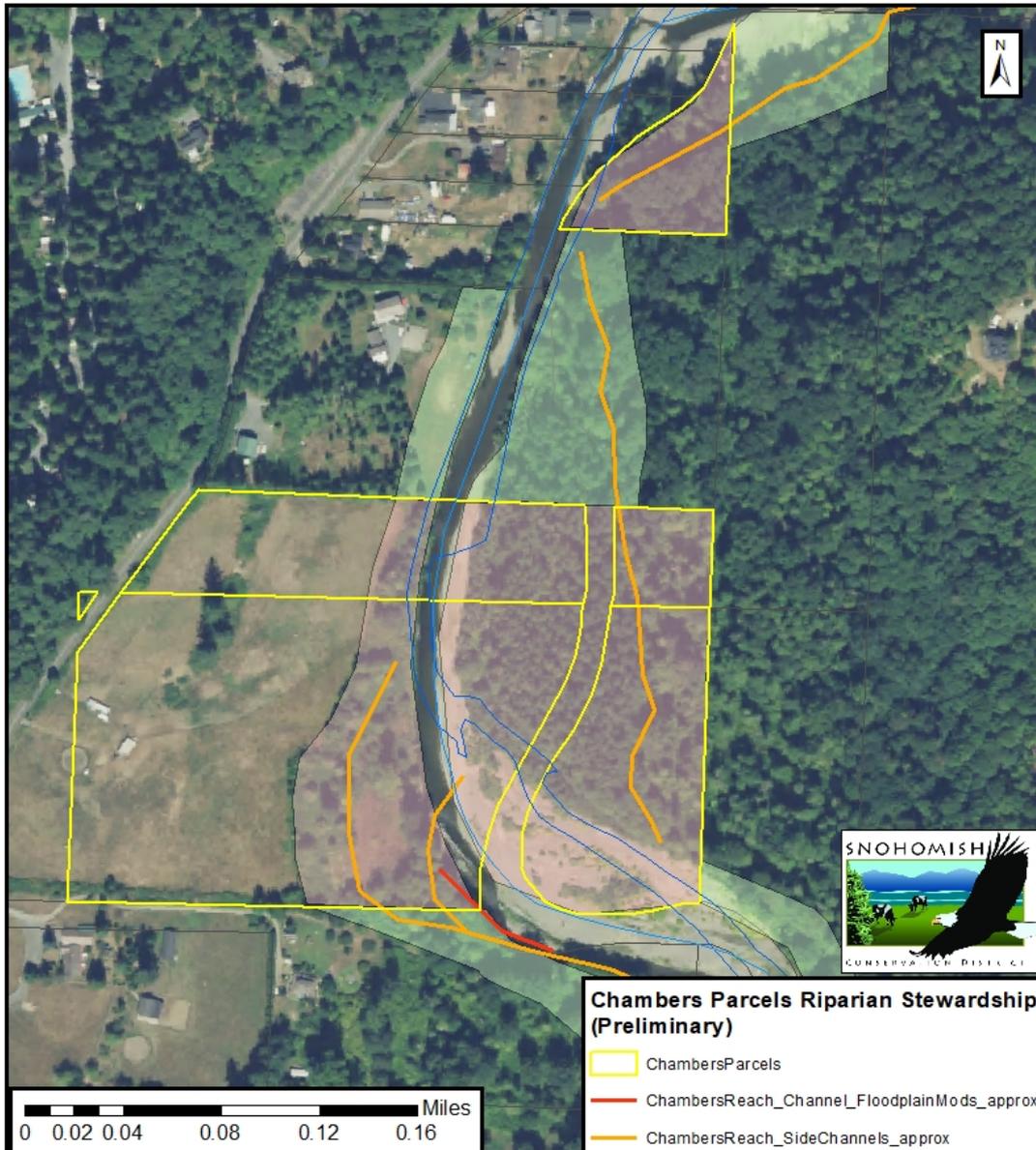












**Chambers Parcels Riparian Stewardship (Preliminary)**

- ChambersParcels
- ChambersReach\_Channel\_FloodplainMods\_approx
- ChambersReach\_SideChannels\_approx

**ChambersReach\_RestorationBuffers**

- Buffer Opportunities (40.80 acres)
- Chambers Riparian Buffers (16.54 acres)
- Chambers Reach Parcels

**Project: Chambers Riparian Stewardship Conservation Easement and Restoration Opportunities**

Address: Unknown Site Address,  
 Coordinates: 48.014625, -122.032265  
 PLS: Sec 10, T29N, R06  
 Snohomish County Parcels: 29061000300300, 29061000200700

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**Snohomish County**  
**Public Works**  
*Surface Water Management*



DEPARTMENT OF  
**ECOLOGY**  
State of Washington

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