



Western Washington University
Western CEDAR

Salish Sea Ecosystem Conference

2018 Salish Sea Ecosystem Conference
(Seattle, Wash.)

Apr 5th, 1:45 PM - 2:00 PM

Lower Big Quilcene River multiple benefits restoration project

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Myers, Michelle and Harlow, Mendy, "Lower Big Quilcene River multiple benefits restoration project" (2018). *Salish Sea Ecosystem Conference*. 327.

<https://cedar.wwu.edu/ssec/2018ssec/allsessions/327>

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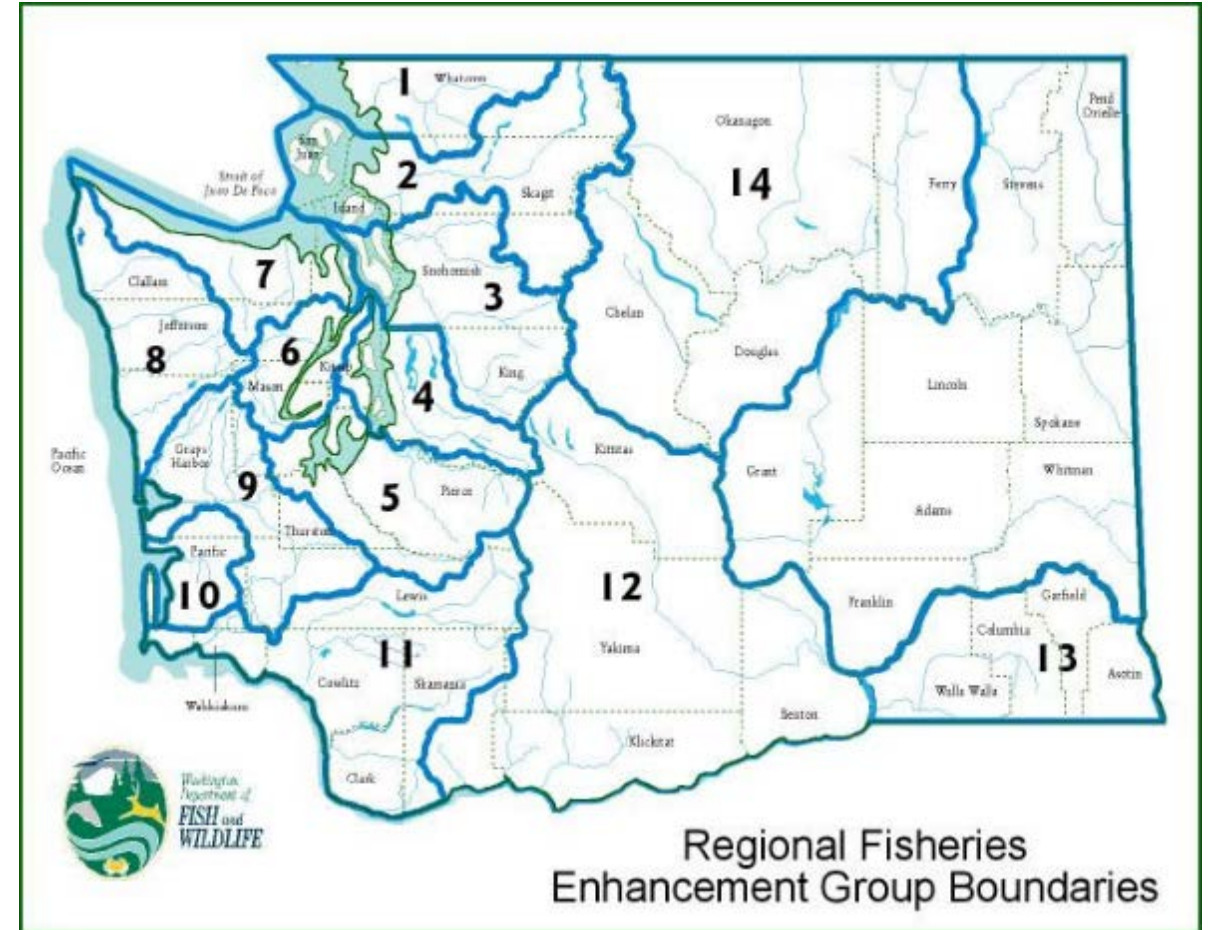
Lower Big Quilcene River Multiple Benefits Project

Hood Canal Salmon Enhancement Group
Mendy Harlow
Michelle Myers



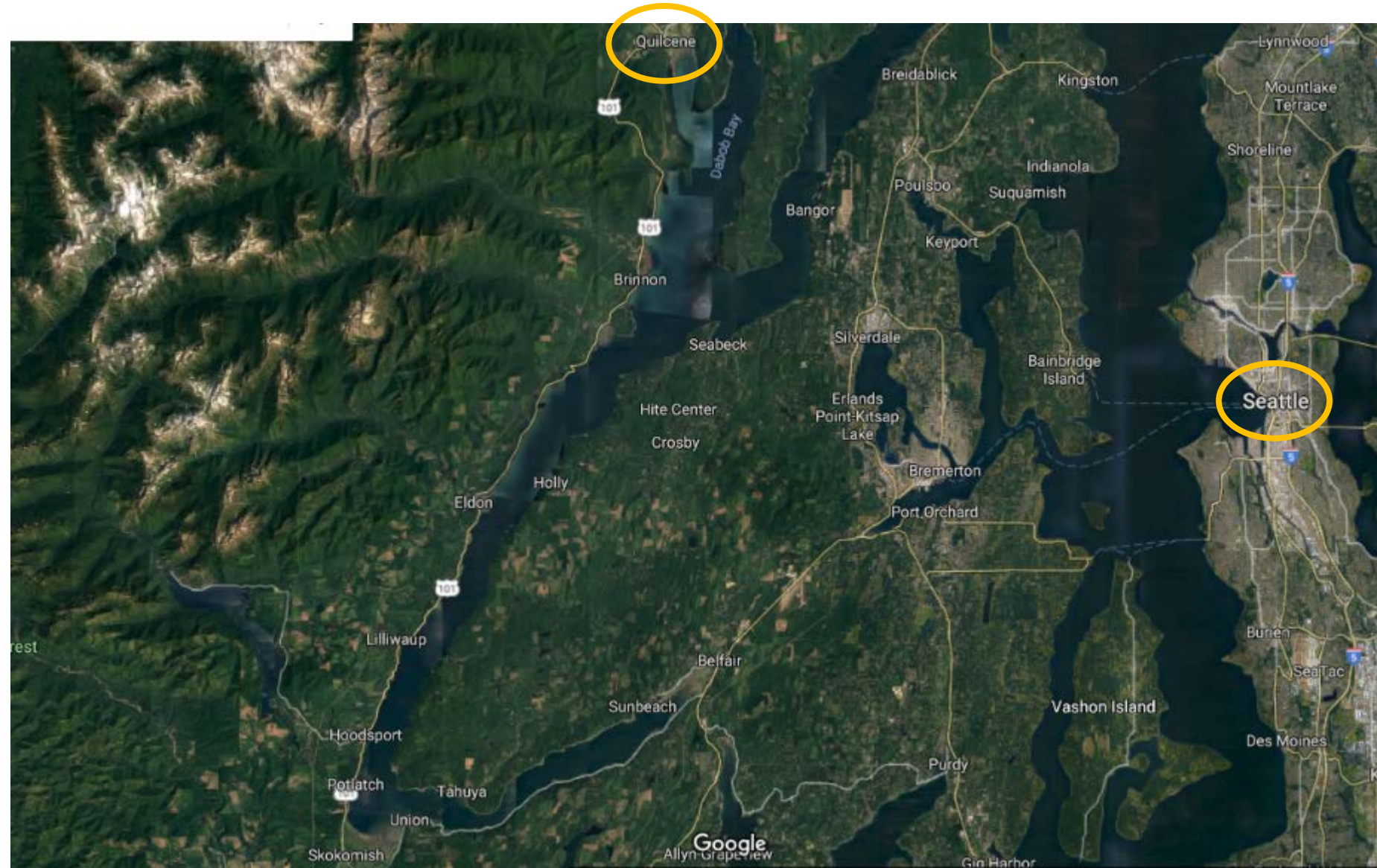
Hood Canal Salmon Enhancement Group

- A Regional Fisheries Enhancement Group since 1990
- Mission: Restoration, Research and Education
- The Salmon Center
- Donors, volunteers and interns

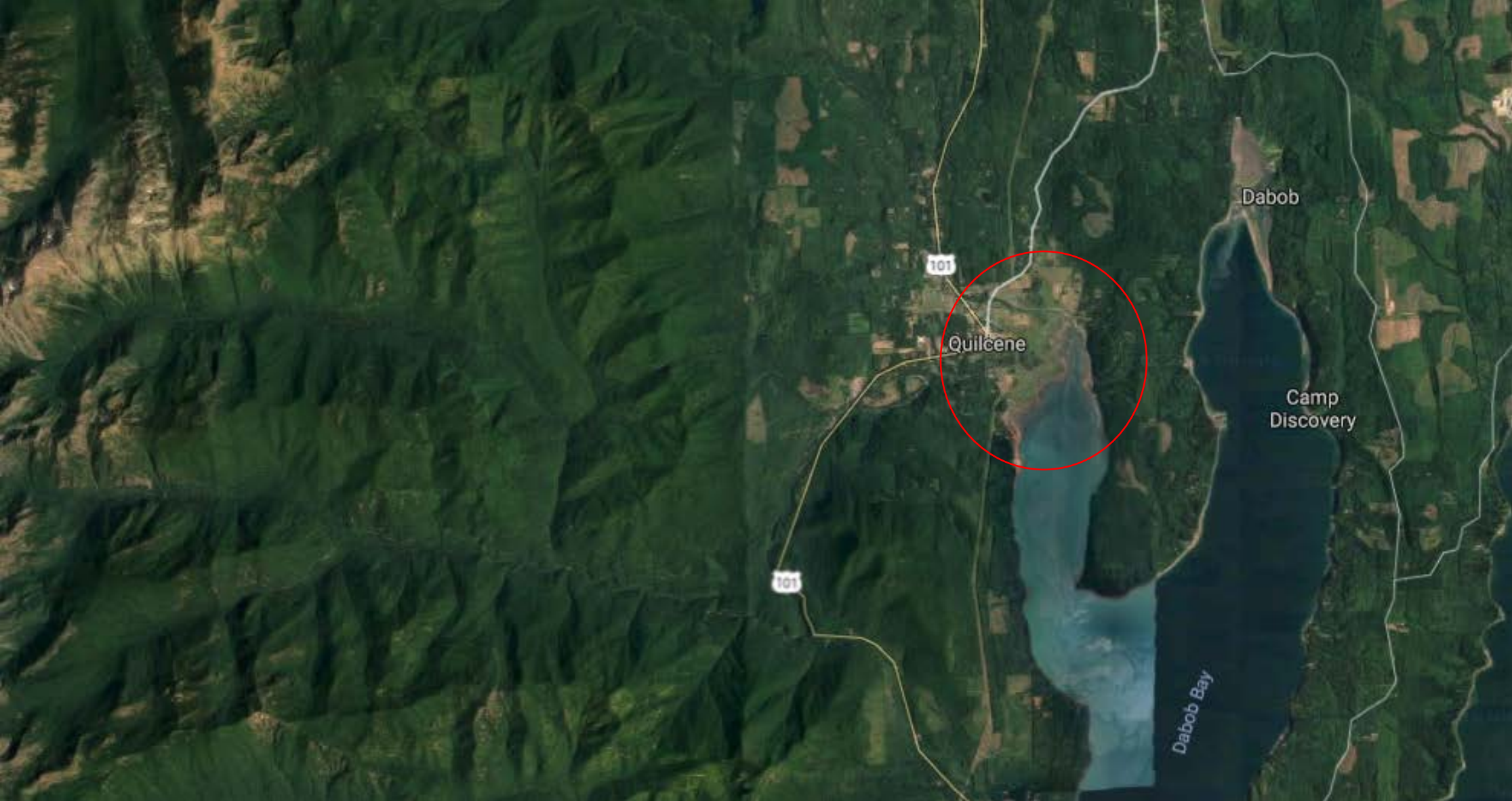


Location

- Puget Sound
- Hood Canal
- Quilcene, WA



Lower Quilcene River Landscape





Center Rd

Little Quilcena River

East Quilcena

101

Quilcena

Olympic Hwy

Big Quilcena River

Quilcena Bay

2000-2005



Little Quilcena River

East Quilcena

Quilcena

Olympic Hwy

Big Quilcena River

Quilcena Bay

Center Rd

101

2007-2008



Little Quilcena River

East Quilcena

Center Rd

101

Quilcena

Olympic Hwy

Big Quilcena River



Quilcena Bay



2007-2008



Little Quilcena River

East Quilcena

Quilcena

Olympic Hwy

Big Quilcena River

Quilcena Bay

Center Rd

101

2009-2010



Center Rd

101

Little Quilcena River

East Quilcena

Quilcena

Olympic Hwy

Big Quilcena River

Quilcena Bay

2012-2013



Center Rd

101

Quilcene

Olympic Hwy

Little Quilcene River

East Quilcene

Big Quilcene River

Quilcene Bay

2013-2014



Center Rd

101

Little Quilcena River

East Quilcena

Quilcena

Olympic Hwy

Big Quilcena River

Quilcena Bay

2000-2014
8 projects



Center Rd

101

Little Quilcena River

East Quilcena

Quilcena

Olympic Hwy

Big Quilcena River

Quilcena Bay

Lower Big Quilcene River Multiple Benefit Project

- Partnership: HCSEG – TNC – Jefferson County EPH
- Feasibility and Outreach
- Needs



Stakeholders & Tribal Trustees

- Established outreach in 2014
- Developed project goals
- Reviewed past reports/studies & designs
- Develop designs
- Conducted technical analysis
- Refined designs

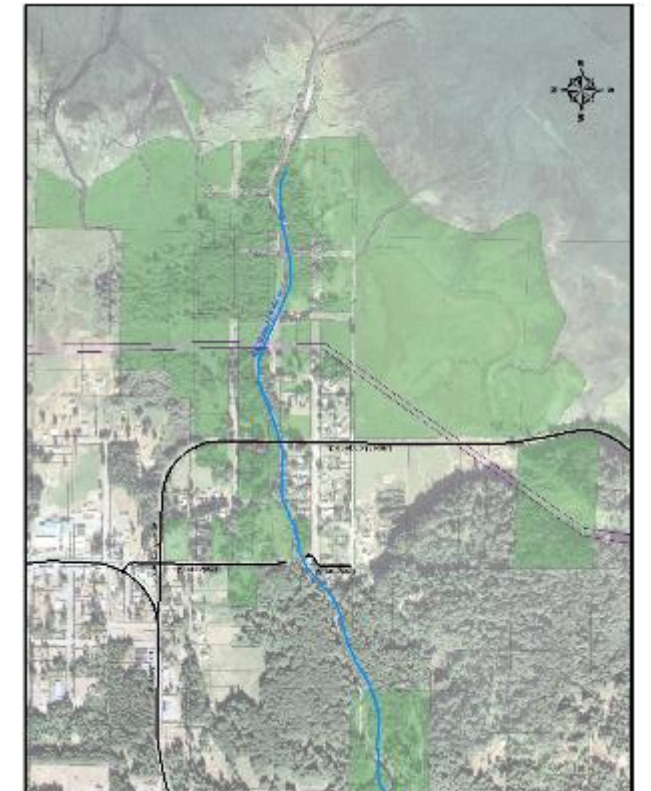
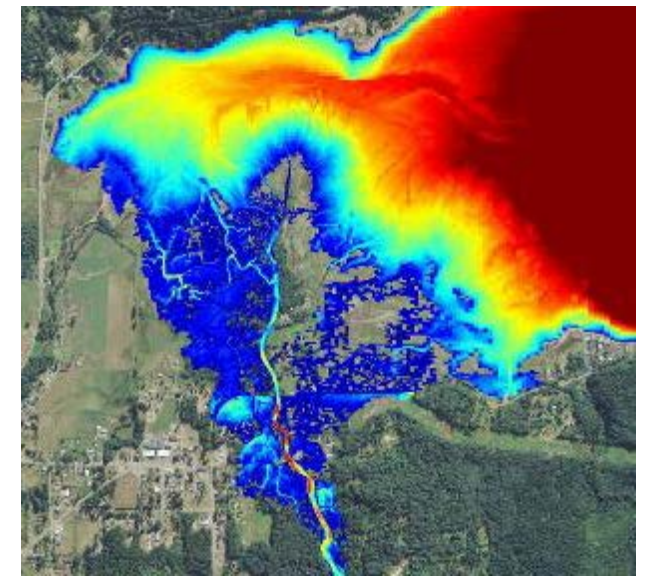
Project Goals

1. *Habitat Restoration*
2. *Recreation*
3. *Reduce Flood Risk*
4. *Education*
5. *Economic*
6. *Compatible with Shellfish*



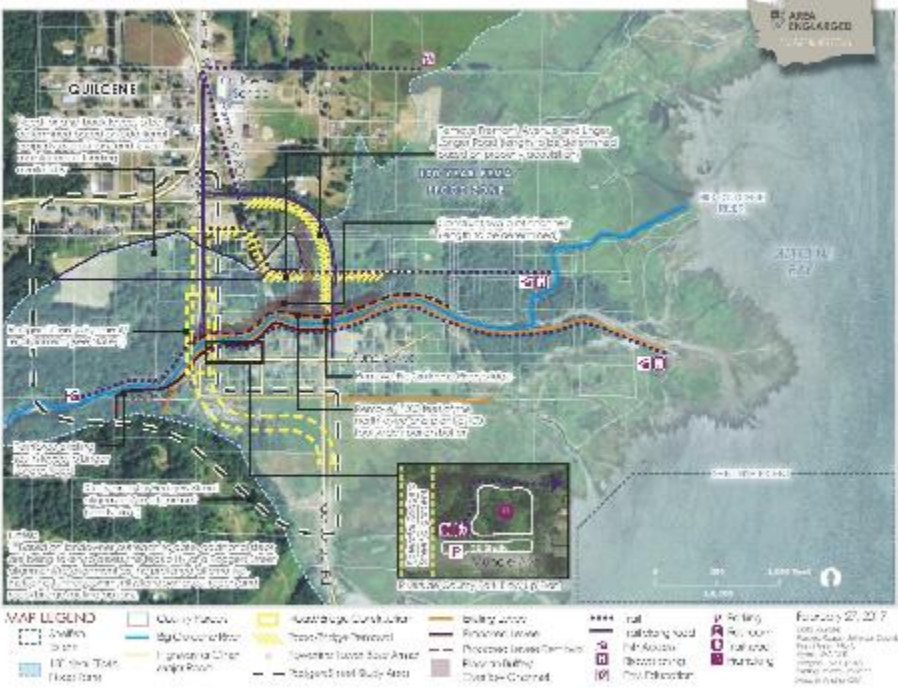
Landowners

- Established outreach in 2016
- 46 landowners (43 private, 3 public)
- Individual needs assessment
- Historical and current knowledge of area
- Gather initial input of road alignment options and recreation features

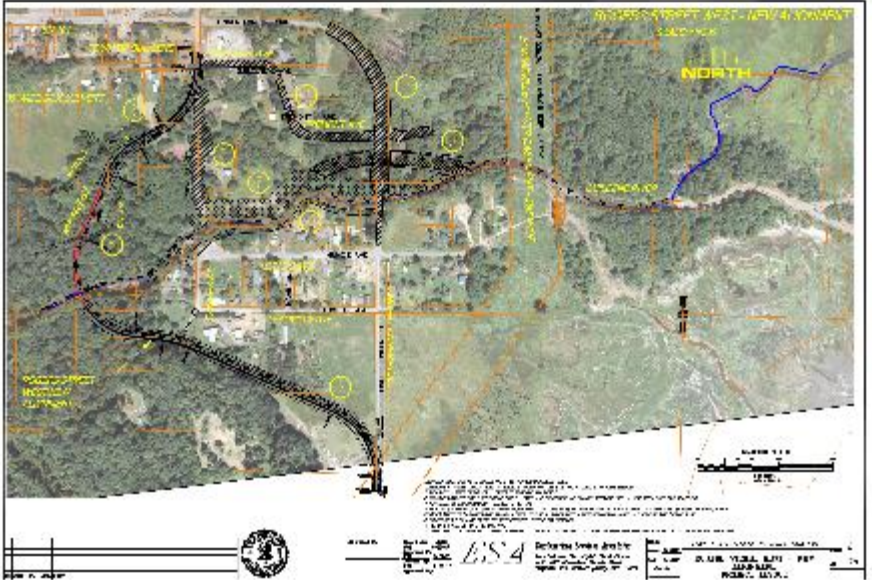


Design Development – 1 to 3

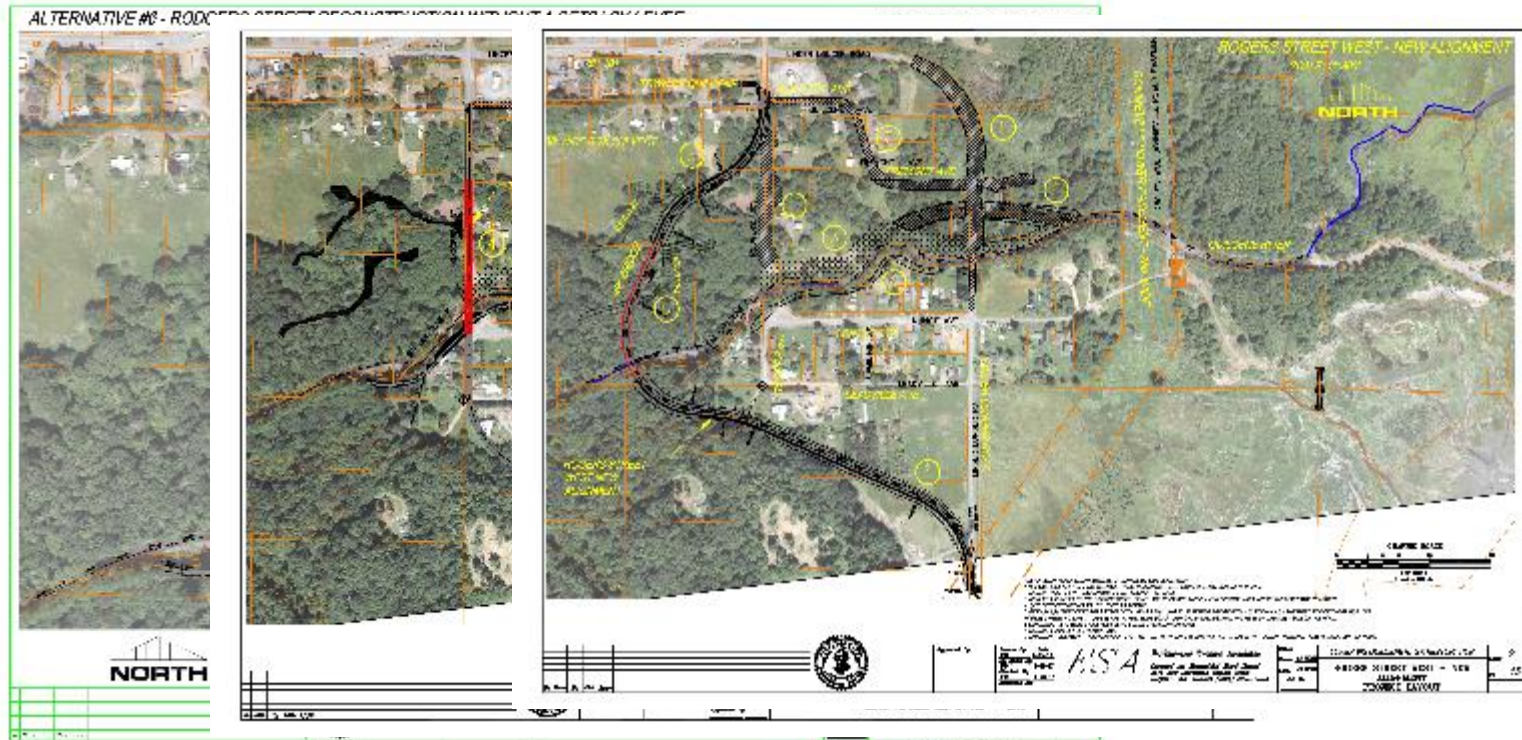
DRAFT PREFERRED ALTERNATIVE



ALTERNATIVE #1 - RODGERS STREET RECONSTRUCTION WITHOUT A SETBACK LINE



Next Steps: Step 1



**A
Preliminary
Design**

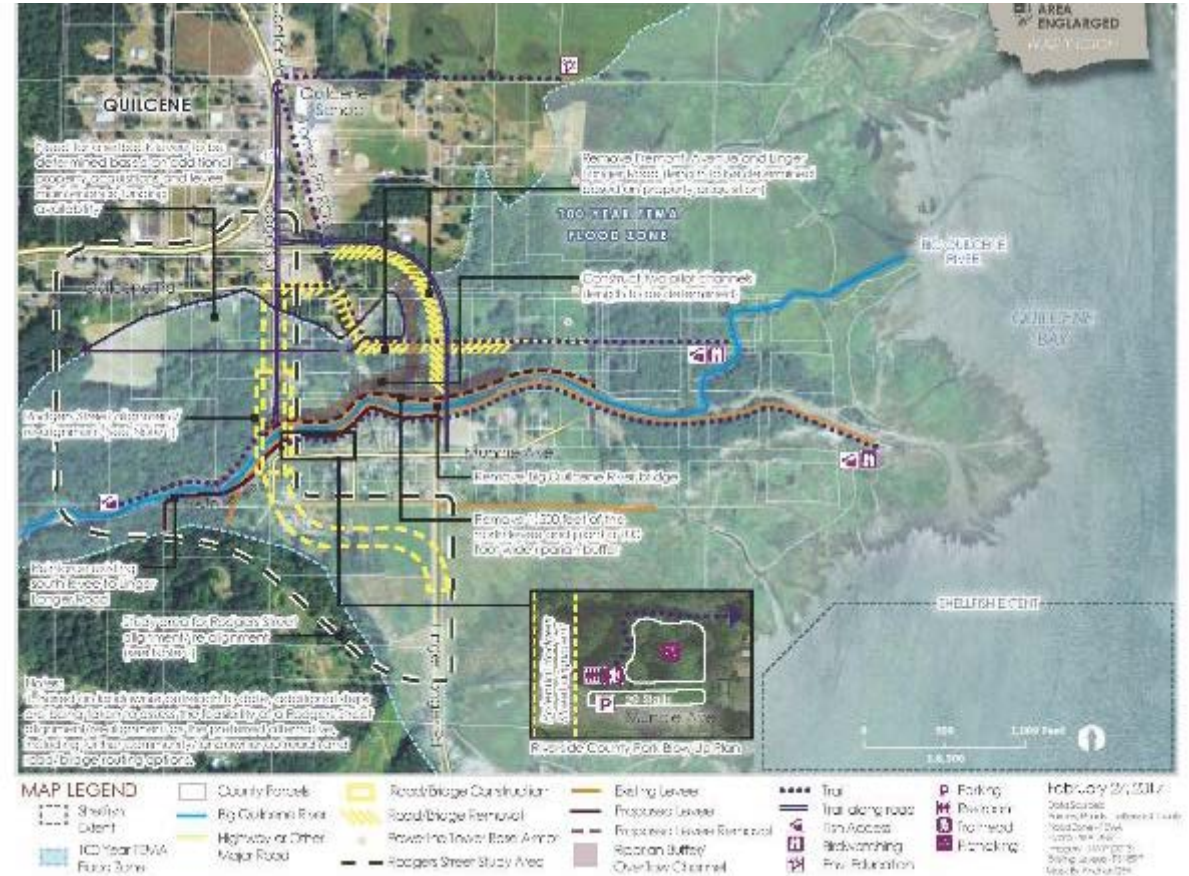
- Formally gather input on 3 designs (i.e. road alignment)
- Address needs
- Preliminary Design

Step 2: Preliminary to Final Design

- Continue community, stakeholder and Tribal outreach and engagement
- Incorporate remaining goals
- Final Design

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Lower Big Quilcene River Multiple Benefits Project



Questions?