

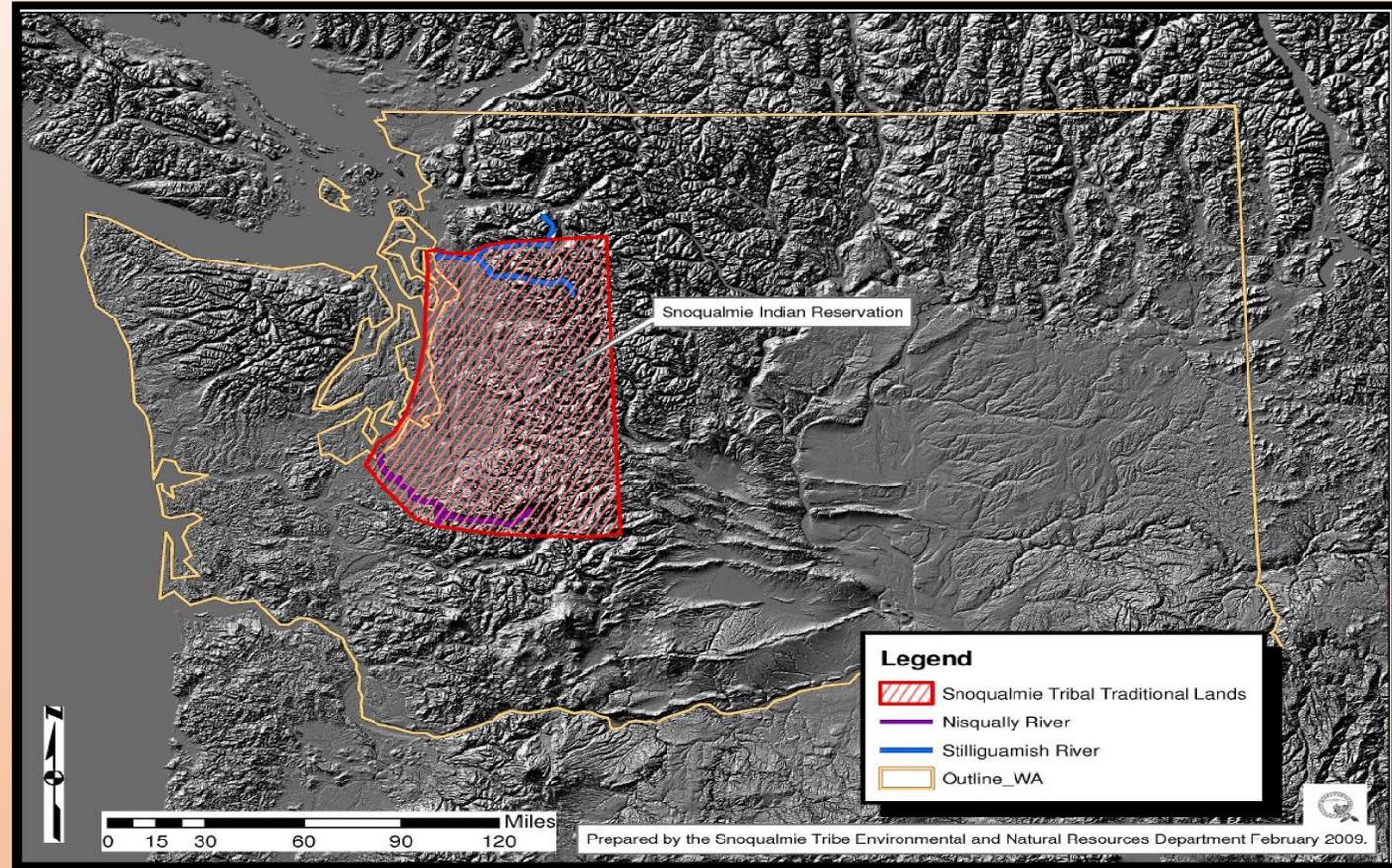
Snoqualmie Tribe riparian weed control projects in the Snohomish Basin

Presentation: Eric Davies



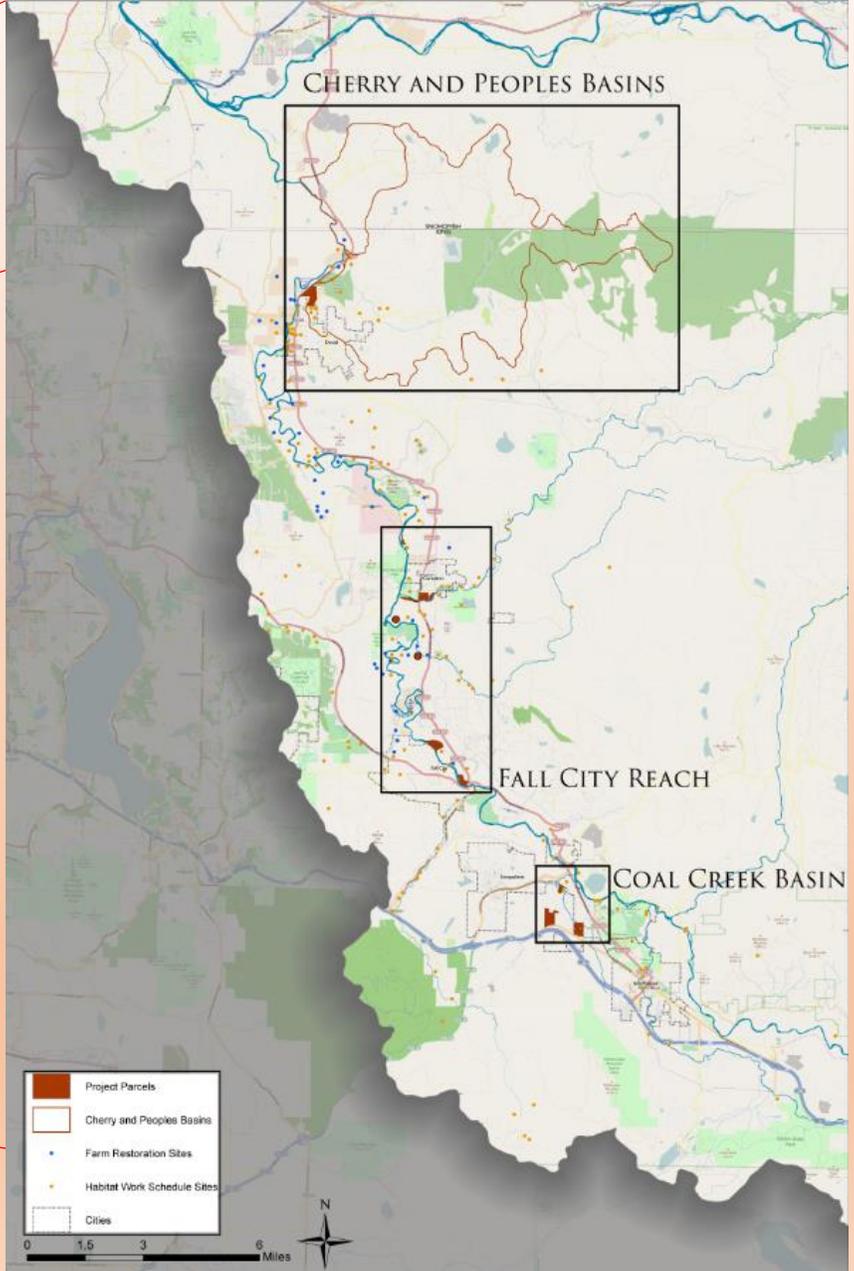
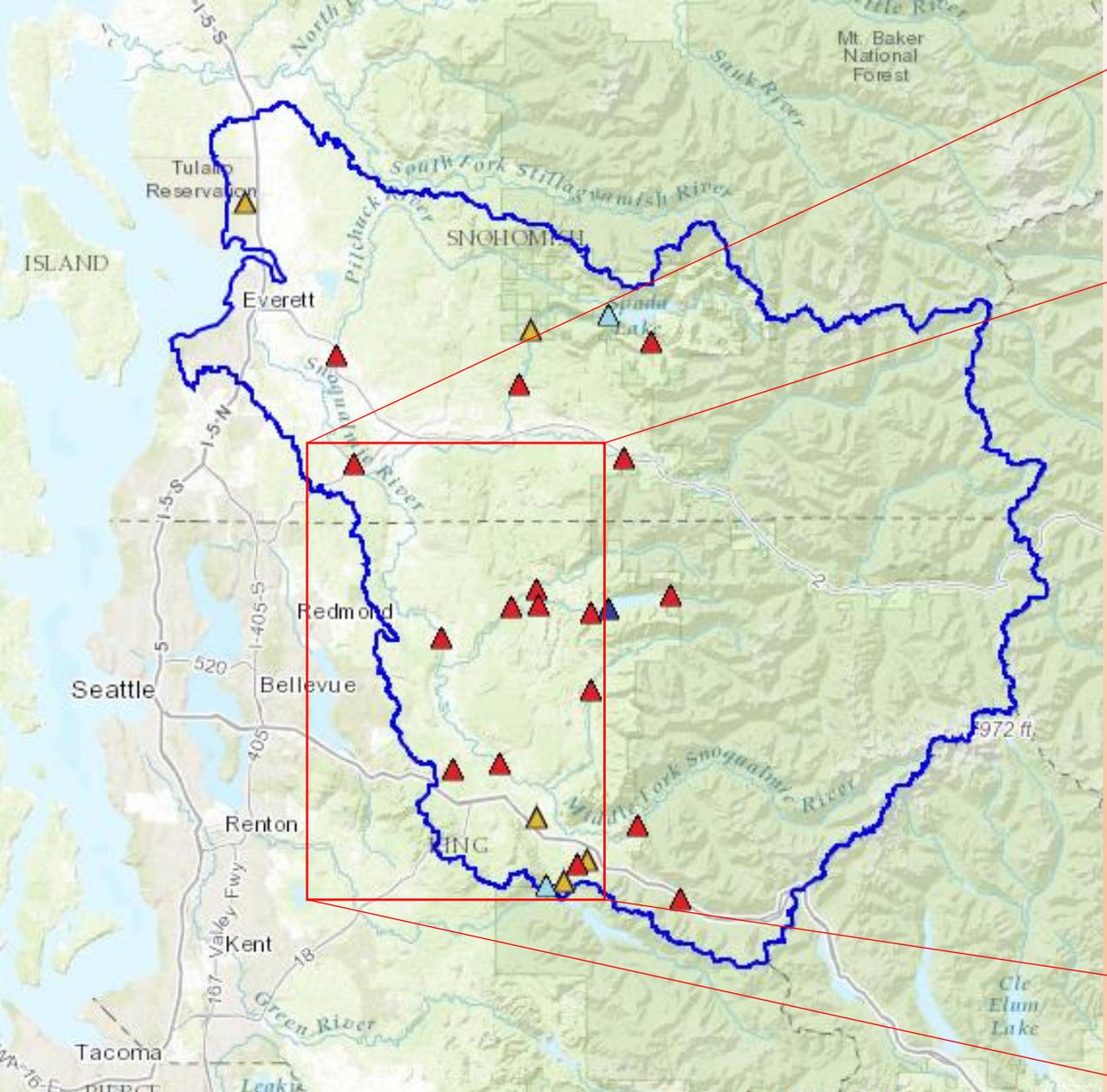
Puget Sound Knotweed Working Group  
April 20, 2016

# Who, Why, Where?

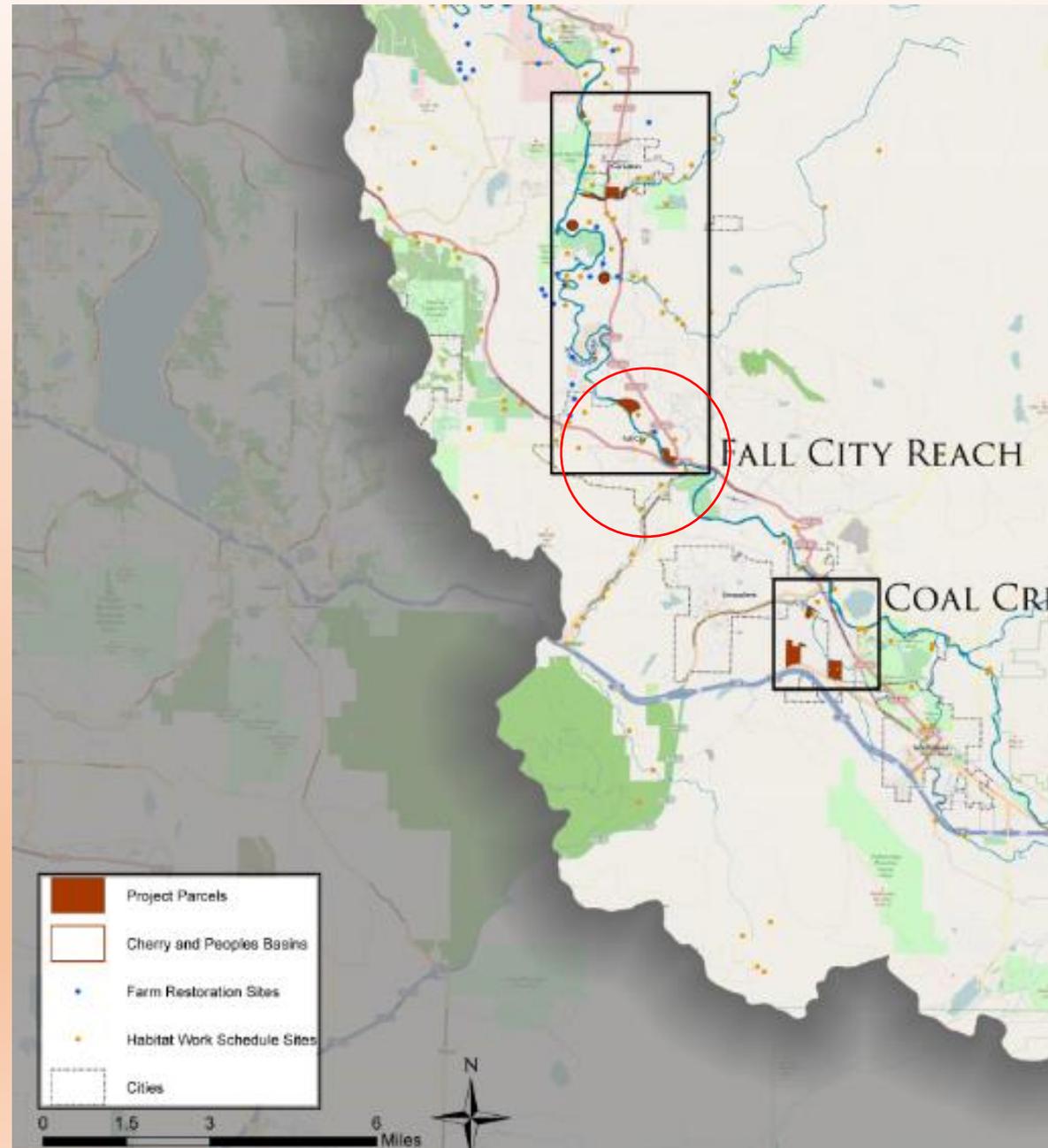




# Snohomish Basin



# Fall City Park





FCP Fall 2010



FCP Spring 2011



FCP Spring 2012





Black Landscaping Fabric

8. Place needle  
TOOL

1. The optimum time for injecting canes is June through mid-September.
2. Before injecting the Japanese Knotweed family of canes in the United States, turn the Allen head under trigger and squirting into measuring tube (provided) using **Monsanto's AquaMaster**. Countries other than the United States follow your Government's herbicide manufactures requirements.

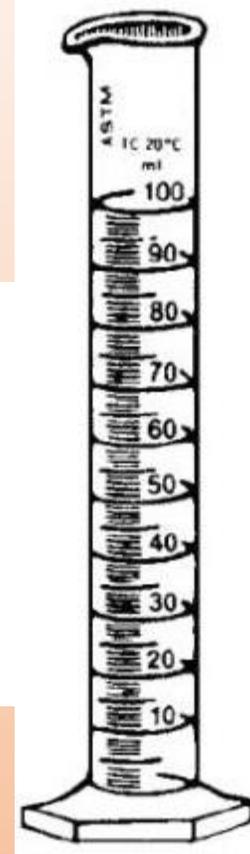
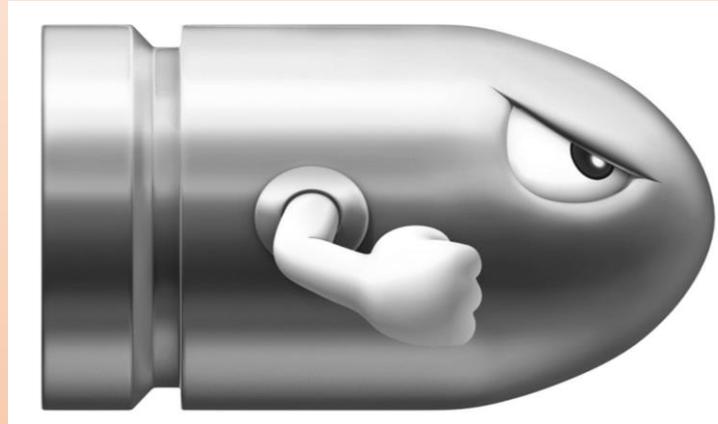
CONTINUED ON BACK



Knotweed Stem Injection

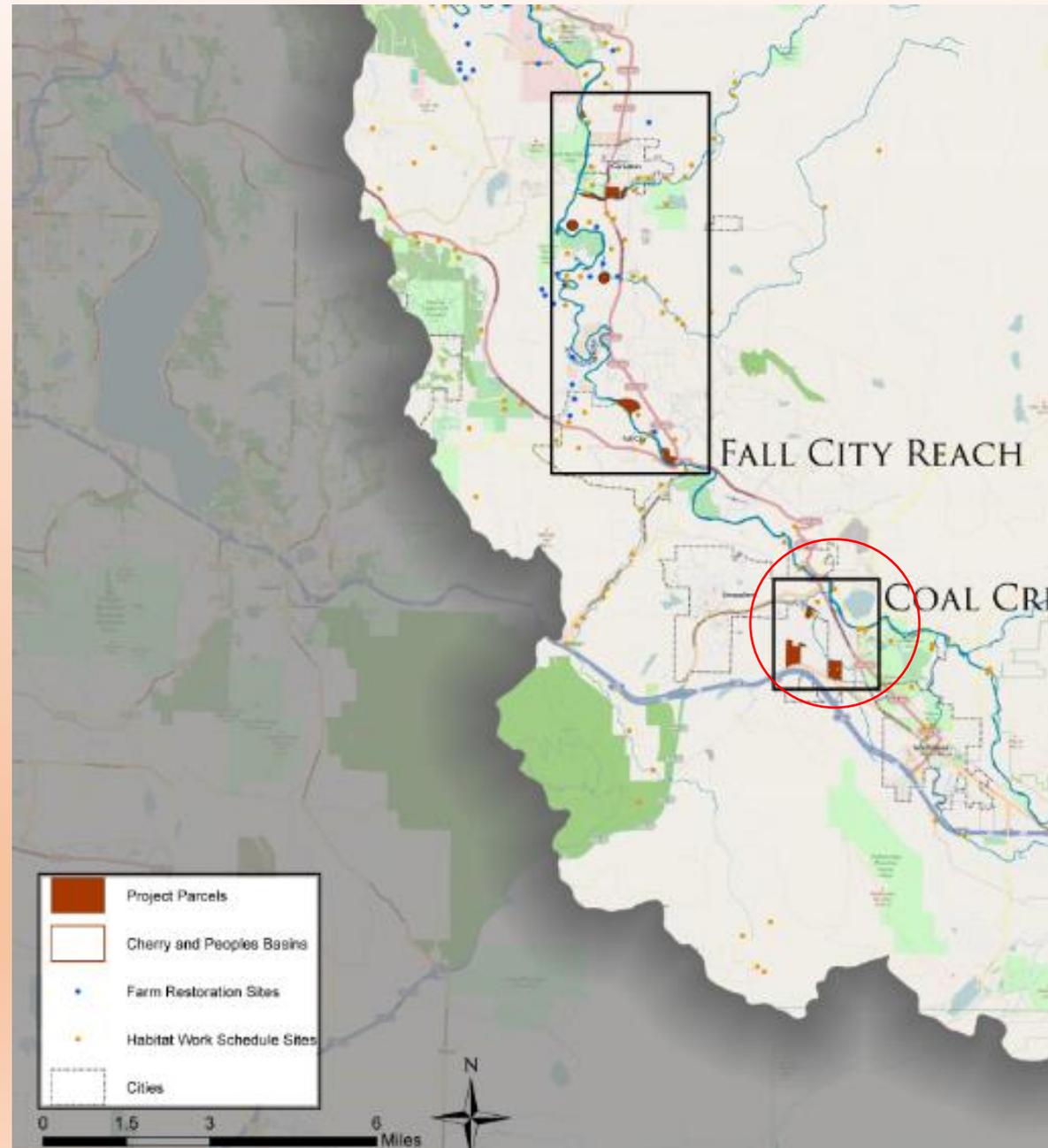


Manual Removal of knotweed Rhizomes



Silver Bullet?

# Kimball Creek





Kimball Creek Spring 2015





Recycling event



So What's Next?

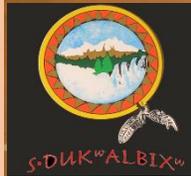
**PLANT!**





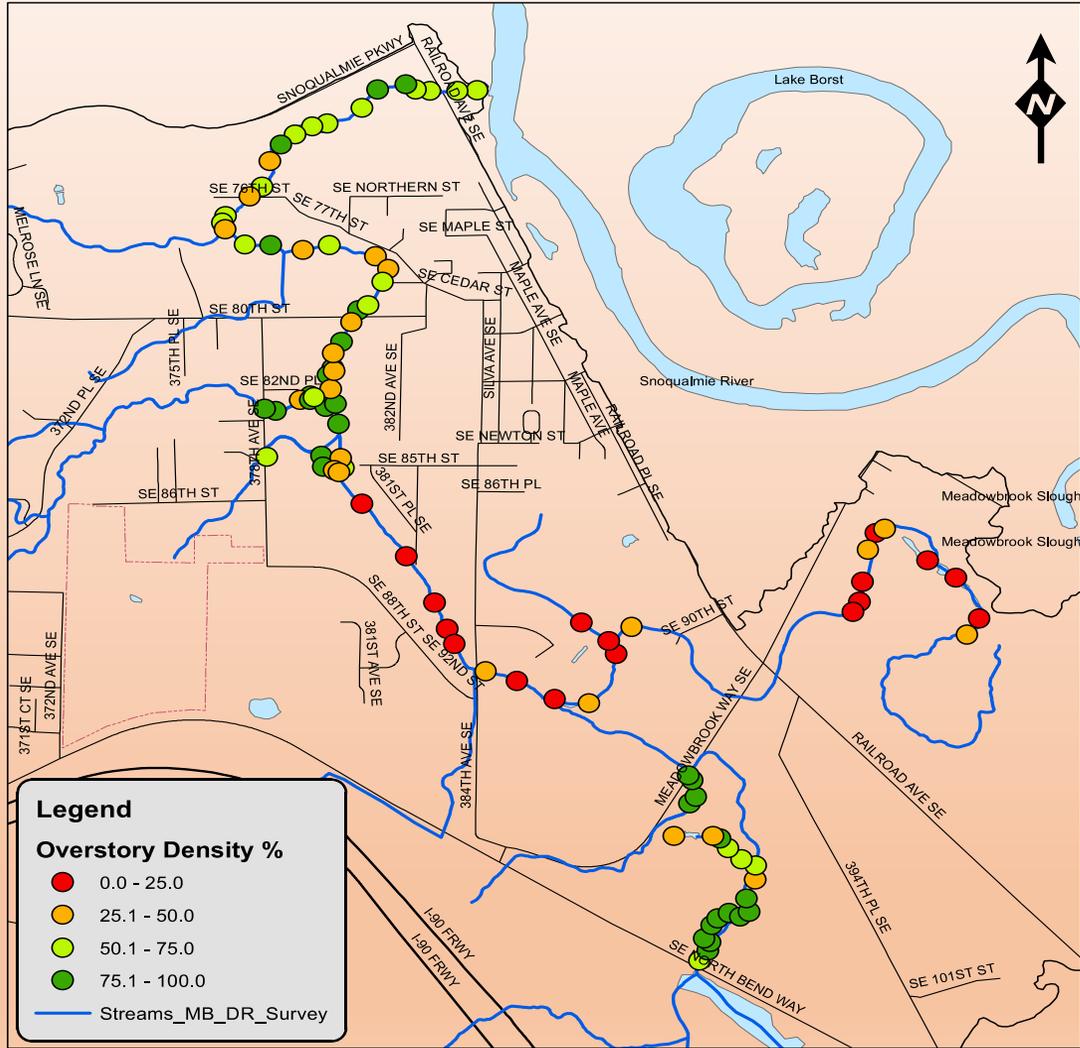


# Kimball Creek Water Quality Improvement Project Phase 1

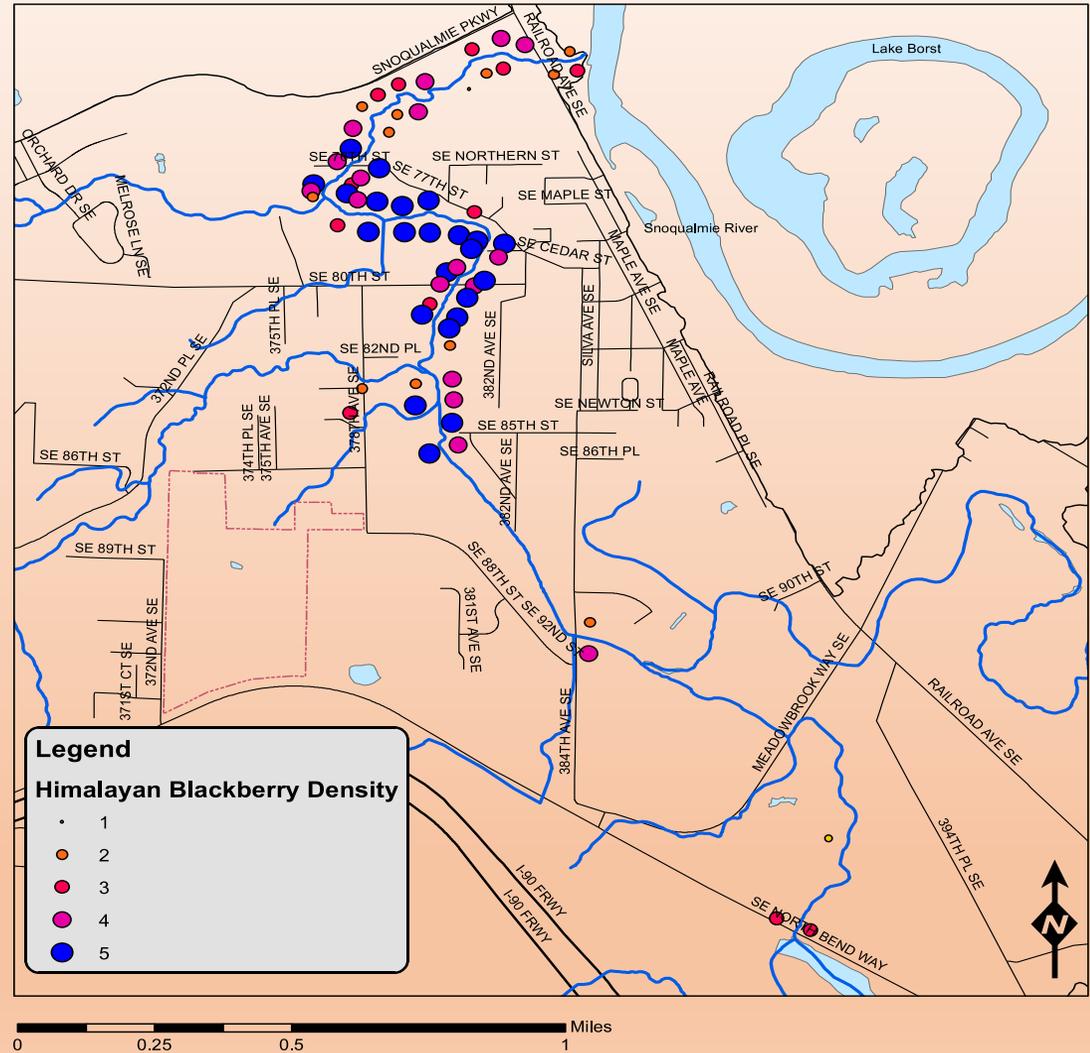


# Phase 1 - sample study results

## Kimball Creek Overstory Density



## Kimball Creek Himalayan Blackberry Density and Distribution



# Upper Snoqualmie: Kimball Creek Water Quality Improvement (KCWQIP)

**Phase 1** - grant funded water quality and habitat study in KC sub-basin.



**Phase 2** – worked with 1<sup>st</sup> private landowner to complete riparian habitat project.



**Phase 3** - build on Phases 1&2 by working with additional enlisted private streamside landowners.



**Phase 4** - Partnership with City of Snoqualmie in restoring reach directly downstream

## Water Quality and Habitat Issues:

- Temperature impaired and listed on the 303d list as impaired for bacteria and dissolved oxygen.
- Degraded riparian forest buffers, lacking a multi-layer overhead forest canopy needed for shading, temperature regulation, bio-filtration, and fish and wildlife habitat diversity.
- Legacy land use effects have altered the channel, banks and riparian zone.



Phase 2 March 2013  
Note vertical,  
slumping bank

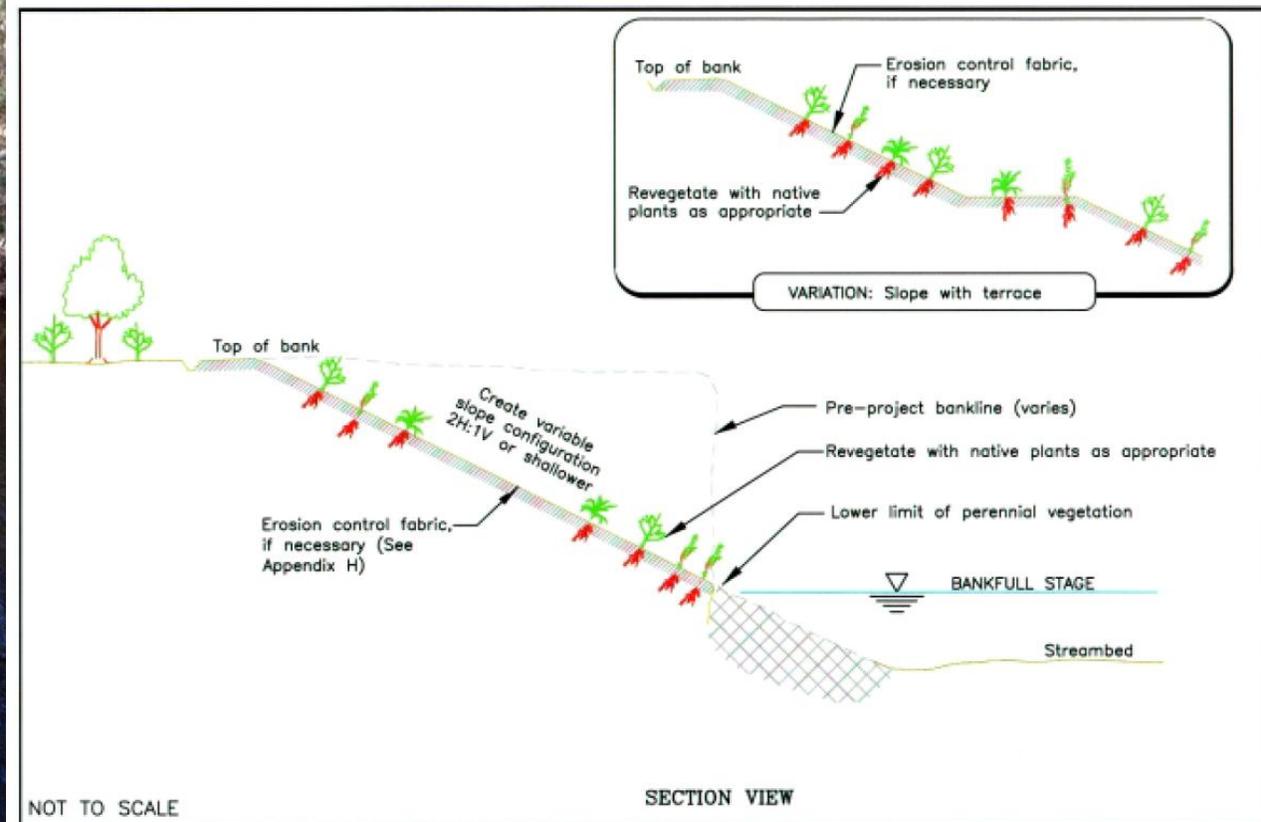


FIGURE 6-40

BANK RESHAPING  
CONCEPTUAL DESIGN



6/6/2012



3/25/2013



3/26/2015



6/6/2012



2/13/2013



3/26/2015

## Summary:

- Phases 1 thru 4: Restore a 1 mile contiguous reach of lower Kimball Creek by establishing > than 15,000 native trees and shrubs totaling between 10 and 15 acres of healthy riparian buffer area.
- Supported by King County, King Conservation District, BIA Noxious Weeds & PSP/EPA Grant Funds
  - Phase 1: 2009 - 2011 = \$36,000 KCD
  - Phase 2: 2012 - 2016 = \$8131 KC, \$2,500 BIA
  - Phase 3: 2016 - 2019 = \$78,550 KC, \$54,000 PSP/EPA
  - Phase 4: 2017 - 2020 = \$78,000 KC (Pending)

# Snoqualmie Headwaters Riparian and Stewardship (Upcoming)

- Project partnership with King County Noxious Weeds, Mountains to Sound Greenway Trust, Cities of Snoqualmie & North Bend, private and public landowners.
- Continue multi-year control of non-native invasive ***knotweed*** in the watershed couple with targeted community outreach, education and restoration of critical riparian buffers in the floodplain and along



# Next Steps?



Questions?

Eric Davies: [eric@snoqualmtribe.us](mailto:eric@snoqualmtribe.us)

For more information about our projects

Story Map: <http://arcg.is/1QrIXyq>

















