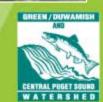
Green/Duwamish & Central Puget Sound Watershed (WRIA 9)



Matt Goehring, WRIA 9 Planning & Technical Coordinator



Agenda

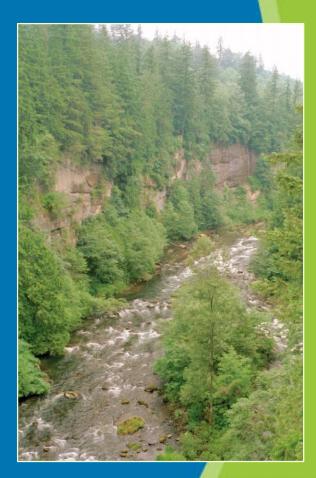
Lead Entity Structure

Salmon Habitat Plan

Subwatershed overviews

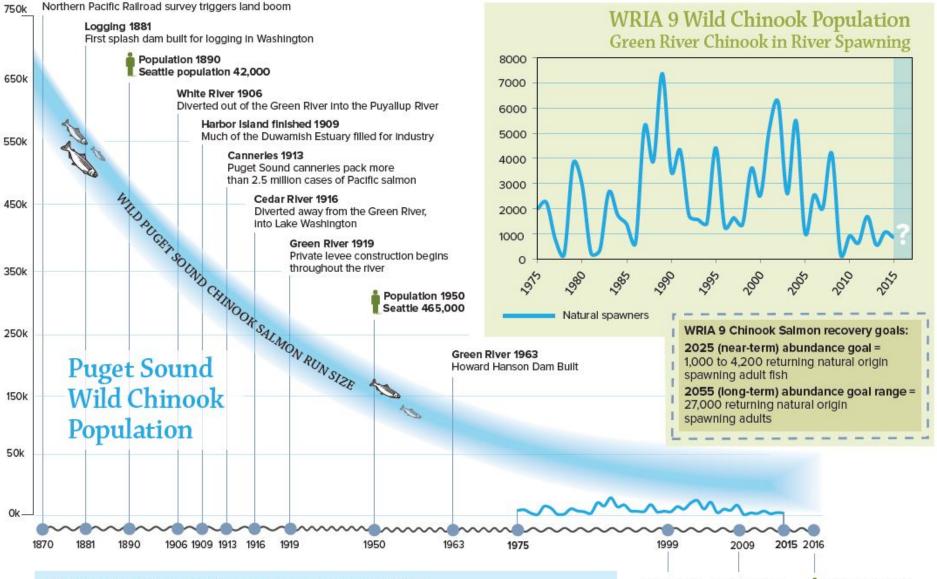
- Stressors
- Priorities and example projects

Climate Change





Chinook Salmon Recovery Timeline



Why does the data on salmon abundance begin to improve in 1975?

Rallroad 1870

The quality of data on annual salmon population runs improves starting in 1975, when the Washington Department of Fisheries (predecessor to Department of Fish and Wildlife) initiated data collection in response to the federal court mandate to develop and share annual abundance of salmon returning to individual rivers in Puget Sound.

 Puget Sound
 Lowest number
 Population 2016

 Chinook
 of natural origin
 Seattle 689,000

 listed as
 spawners (182 fish)
 species

 threatened
 recorded in the
 Green River

Lead Entity Background

- Community-based approach to salmon recovery
 - Technical committee
 - Citizen committee
- Regional recovery strategies that prioritize restoration and protection needs



 Coordinate project development and funding with project sponsors

- Access SRFB, PSAR and EPA grant funding



WRIA 9 Watershed Ecosystem Forum

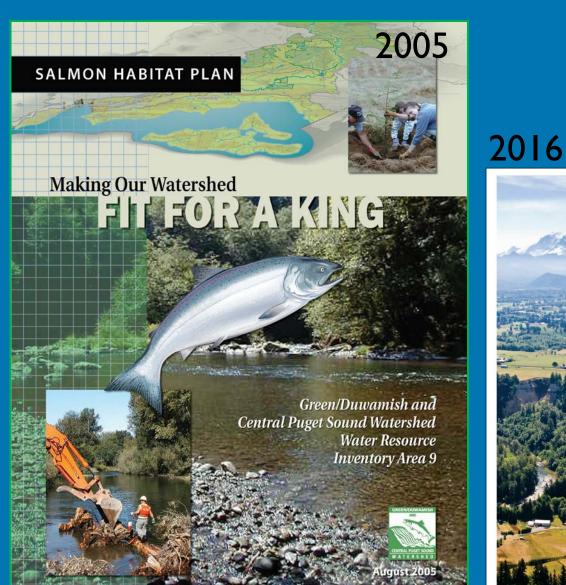


- Strong regional collaboration and governance
- Leveraging individual jurisdiction dollars for watershed benefits



Salmon Habitat Plan

2014



Duwamish Blueprint

Salmon Habitat in the Duwamish Transition Zone



October 14, 2016

Duwamish Blueprint Working Group November 6, 2014



RE-GREEN THE GREEN: Riparian Revegetation Strategy for the Green/Duwamish and Central Puget Sound Watershed (WRIA 9)



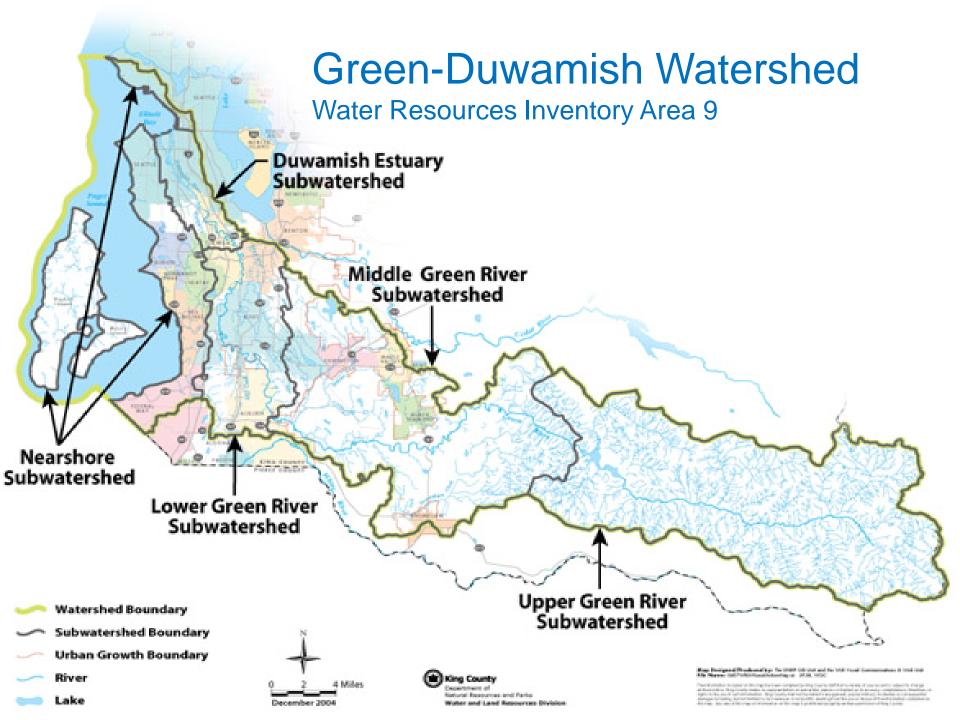
WRIA 9 Riparian Revegetation Work Group



reen/Duwamish and entral Puget Sound Vatershed, WRIA 9

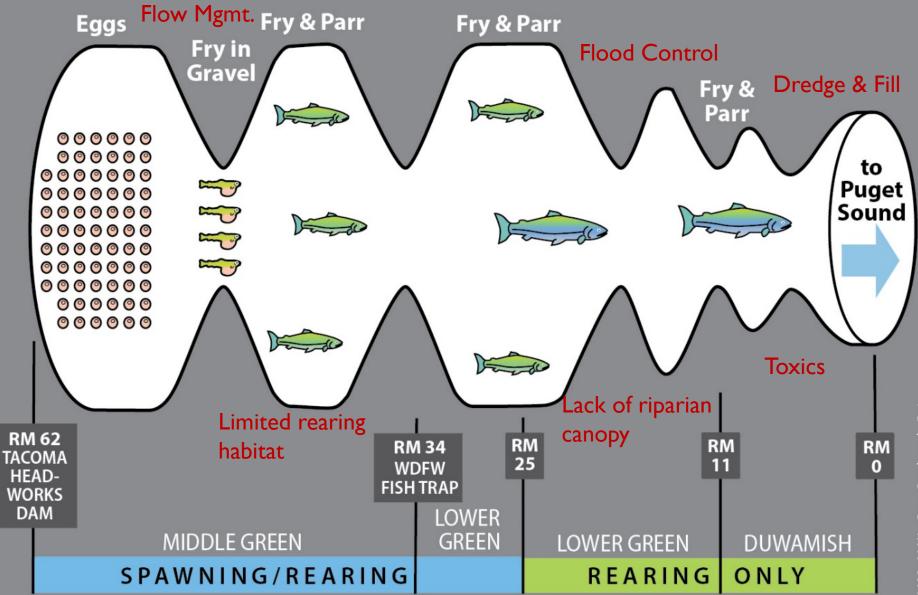




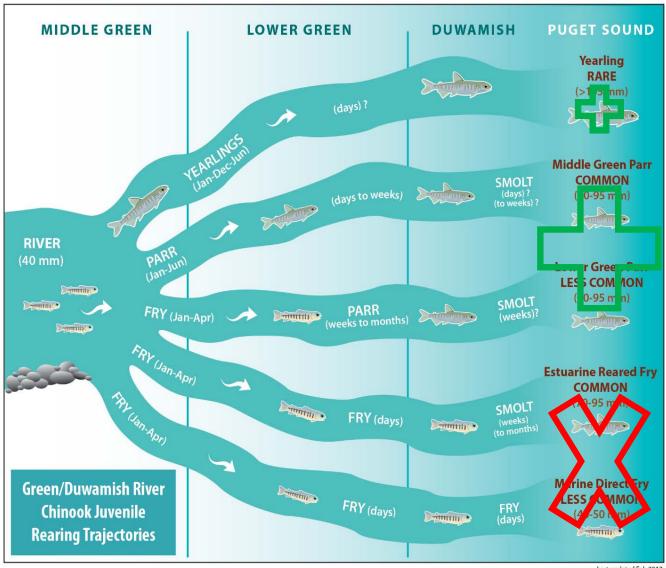




HABITAT BOTTLENECKS



Emerging Science: Diversity & Productivity



EREEN / DUWAMISH

Last updated Feb 2017

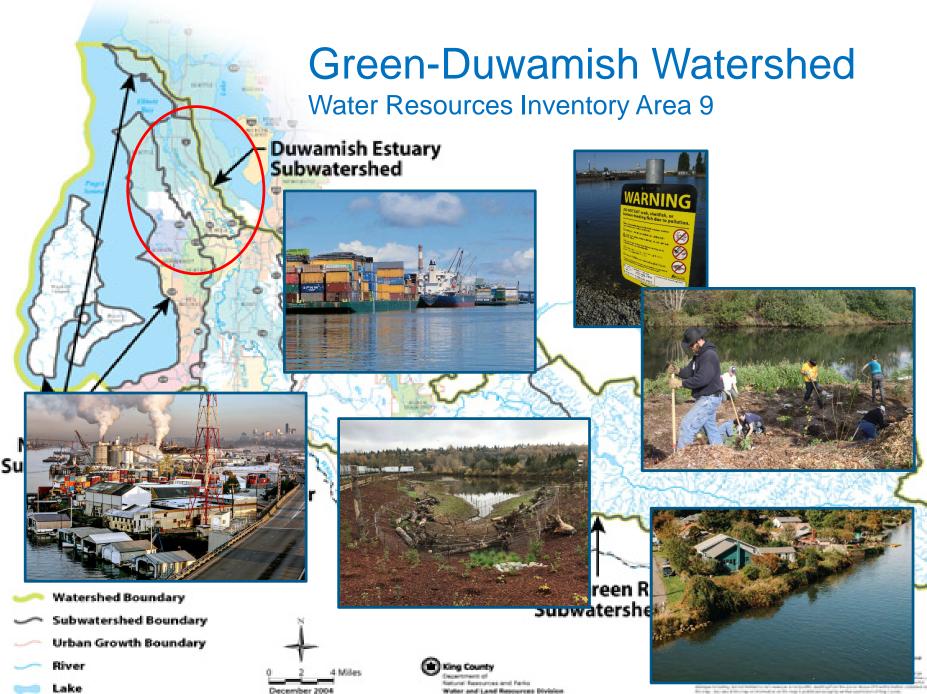
Green-Duwamish Watershed

Water Resources Inventory Area 9



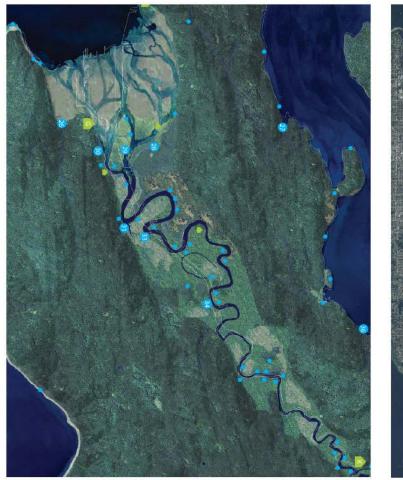
Nearshore: Piner Point, Vashon/Maury Island (\$2.7M)





Conservation of the probability of the first for the second statement of the s And a state of the second

Duwamish River Sub-Watershed





Mid-1800s

Today

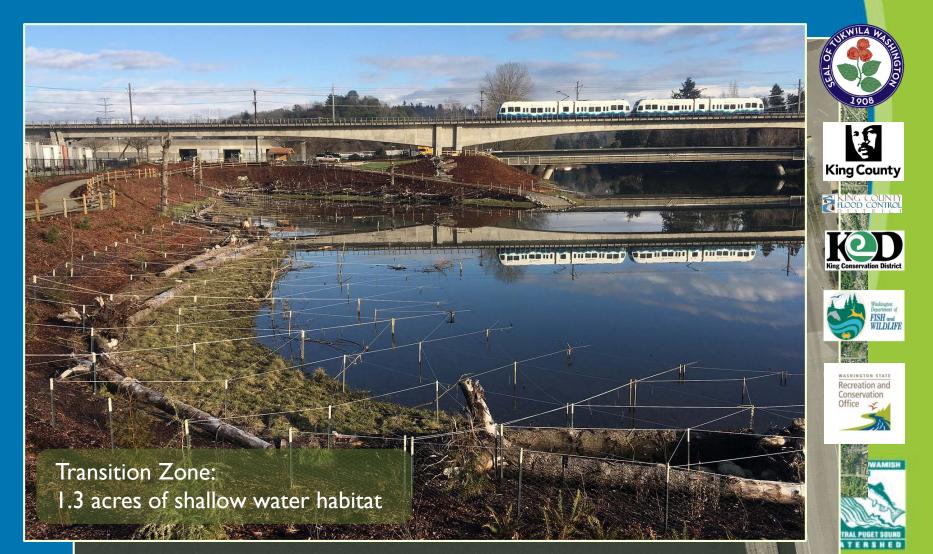


Matt Goehring, WRIA 9 Planning & Technical Coordinator

Duwamish Valley | South Seattle

The Waterlines Project

Duwamish: Duwamish Gardens (\$4.25M)



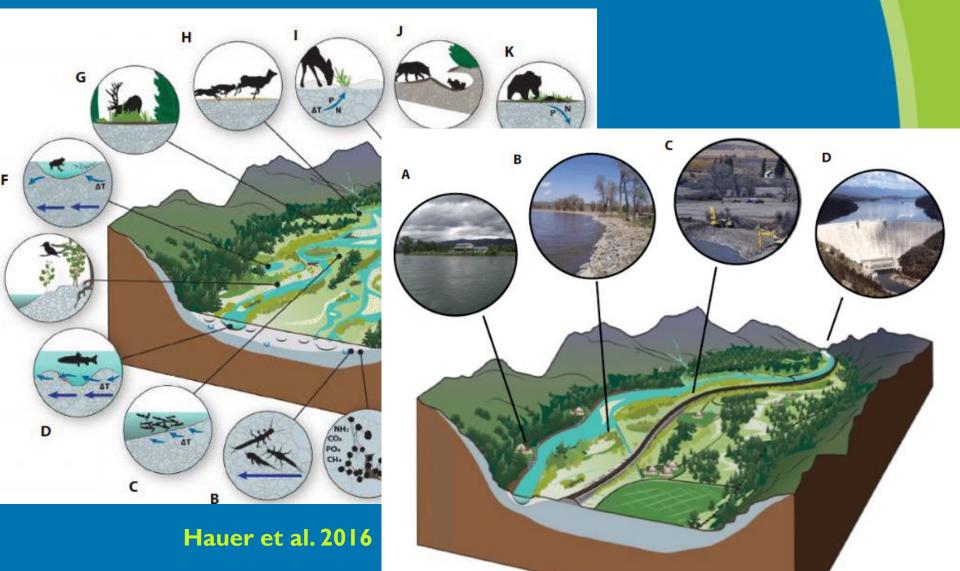


Green-Duwamish Watershed Water Resources Inventory Area 9

wan bwate Nearshore Subwatershed Lower Green River Subwatershed een ters Ging County the strength

Experiment of Record Resources and Parks Water and Land Resources Division

Floodplain Connectivity



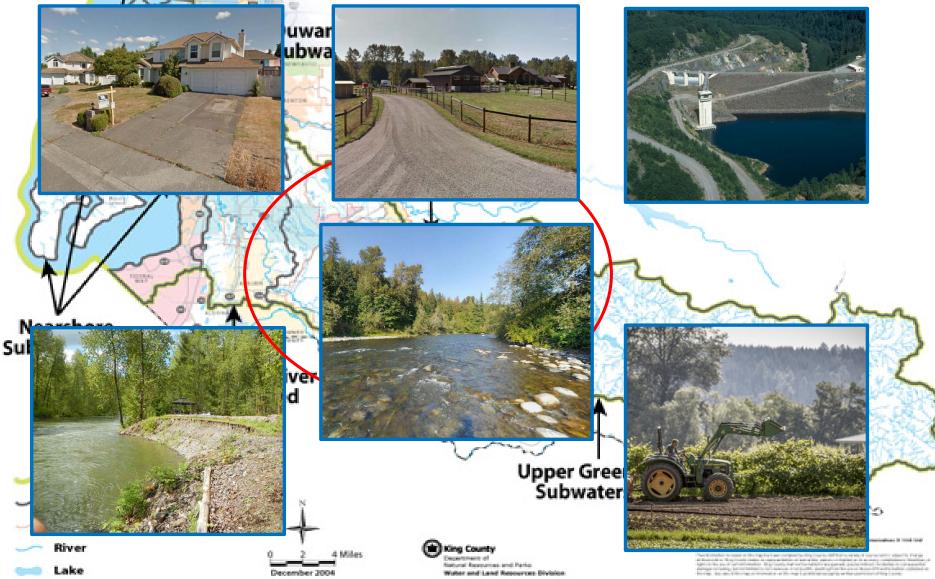
Lower Green: Mill Creek/Leber (\$2.5M)





Green-Duwamish Watershed

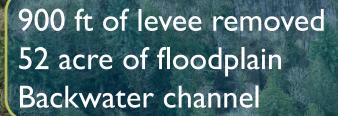
Water Resources Inventory Area 9



Middle Green: Porter Levee Removal (\$5.4M)







Porter Concept Diagram

**•••



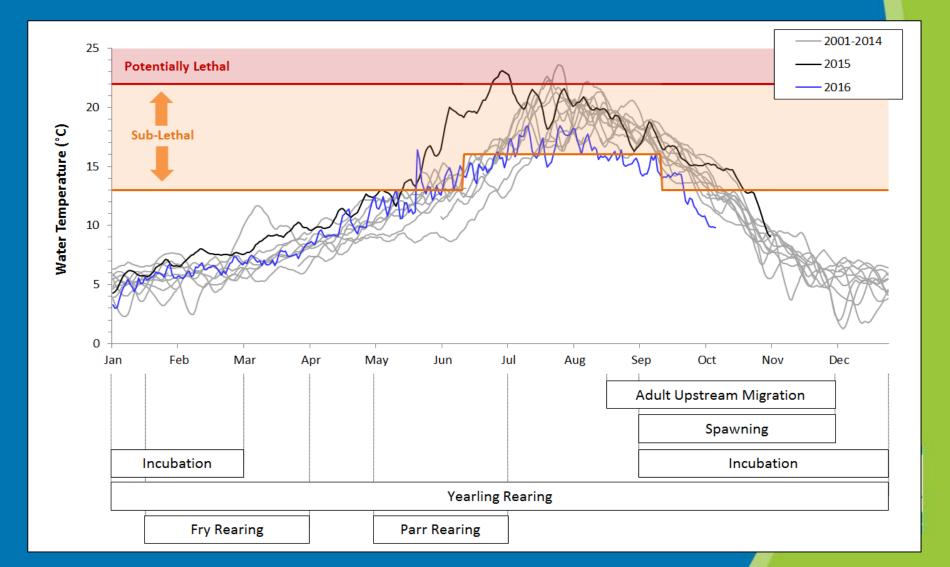
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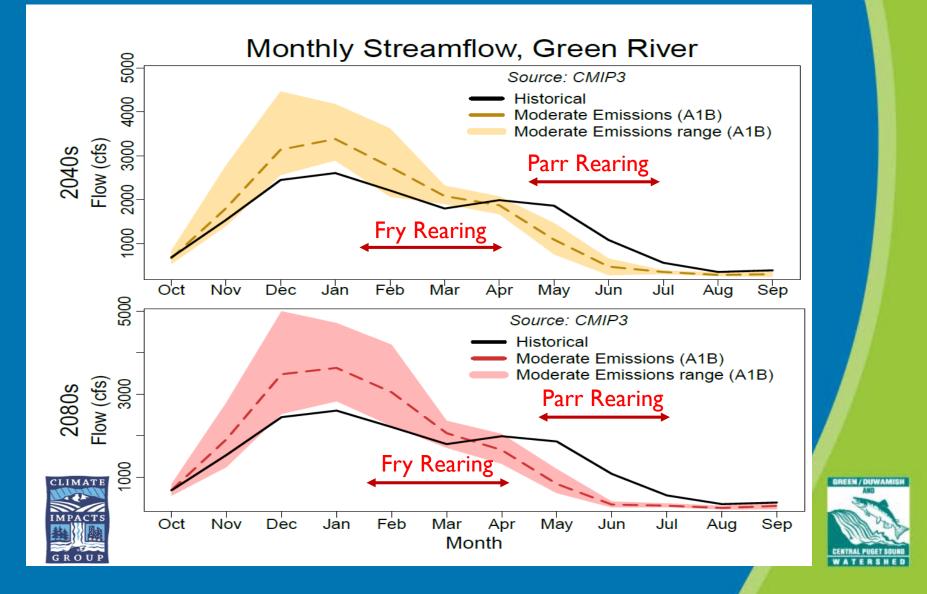
Upper Green: Howard Hanson Dam



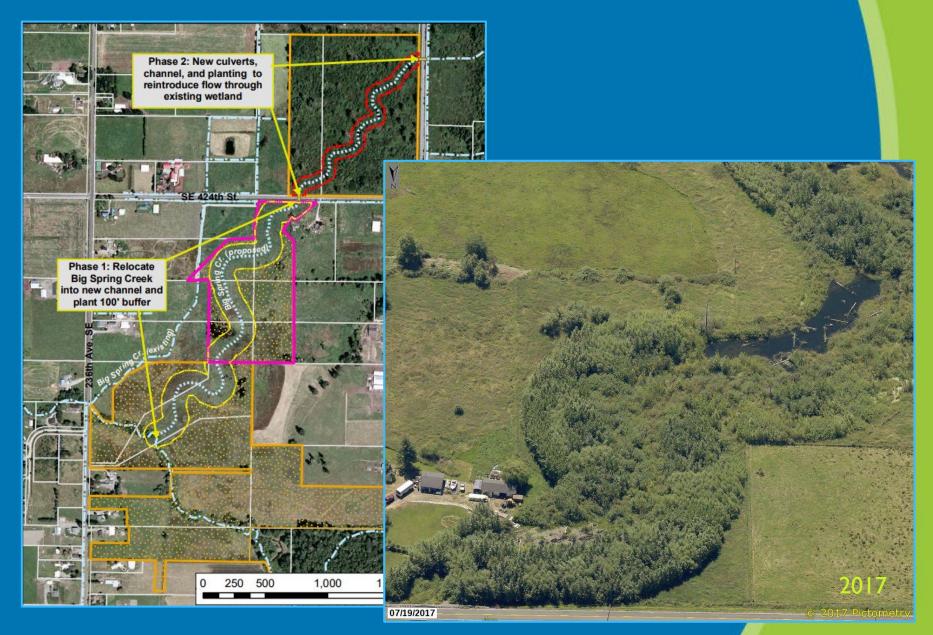
Climate Change Implications



Climate Change Implications



Big Spring Creek- Enumclaw Plateau



Questions & Discussion

Protect, restore & enhance

- Channel Complexity & Edge Habitat
- Estuarine Habitat
- Fish Passage
- Floodplain Connectivity
- Instream Flows & Cold Water Refugia
- Riparian Corridors
- Sediment & Water Quality
- Marine Shorelines

