Padden Creek Daylighting Open House Presentation

June 4, 2013



Challenges

- Padden Creek, between 17th and 22nd streets, flows in a tunnel constructed in the 1890's
 - The tunnel is the major blockage to fish passage (67% blockage by WDFW rating)
 - The tunnel is undersized and results in approximately 15 city blocks of residential housing that are in the flood plain

Padden Creek Area



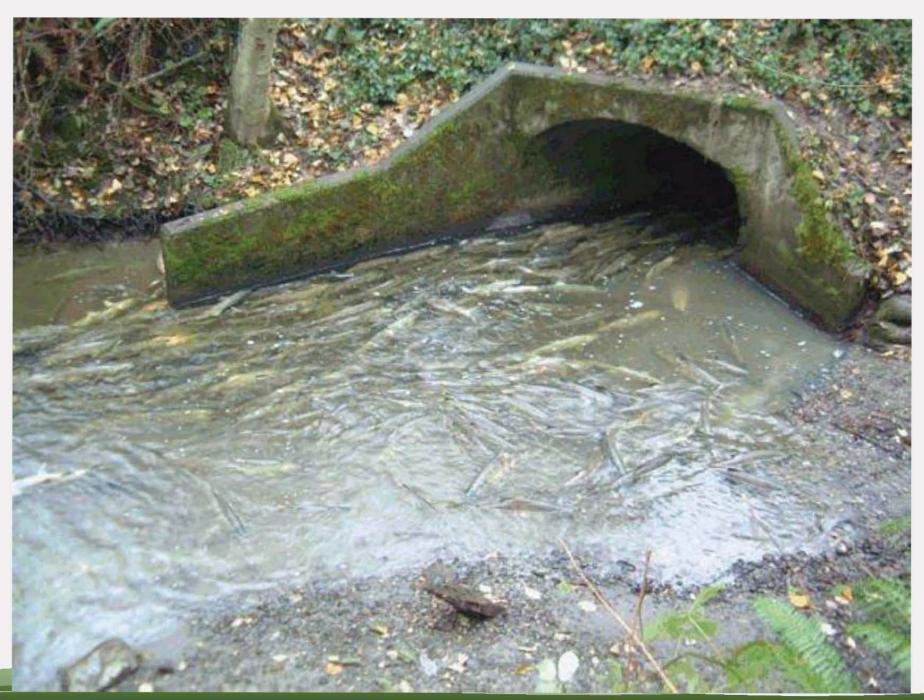
FEMA Floodway and Floodplain



Stakeholders

- Padden Creek Alliance
 - Adjacent property owners
 - Concerned citizens
 - Fish advocates
 - Happy Valley Neighborhood Association
- WA Department of Fish and Wildlife
- WA Department of Transportation
- Nooksack Salmon Enhancement Association
- City of Bellingham





Downstream end of tunnel



What is the project?

- Construction of a creek channel between 17th and 22nd streets along Old Fairhaven Parkway
- Project removes the major fish blockage for the creek
- Project eliminates reliance on a 1890's tunnel to convey Padden Creek

What more is the project?

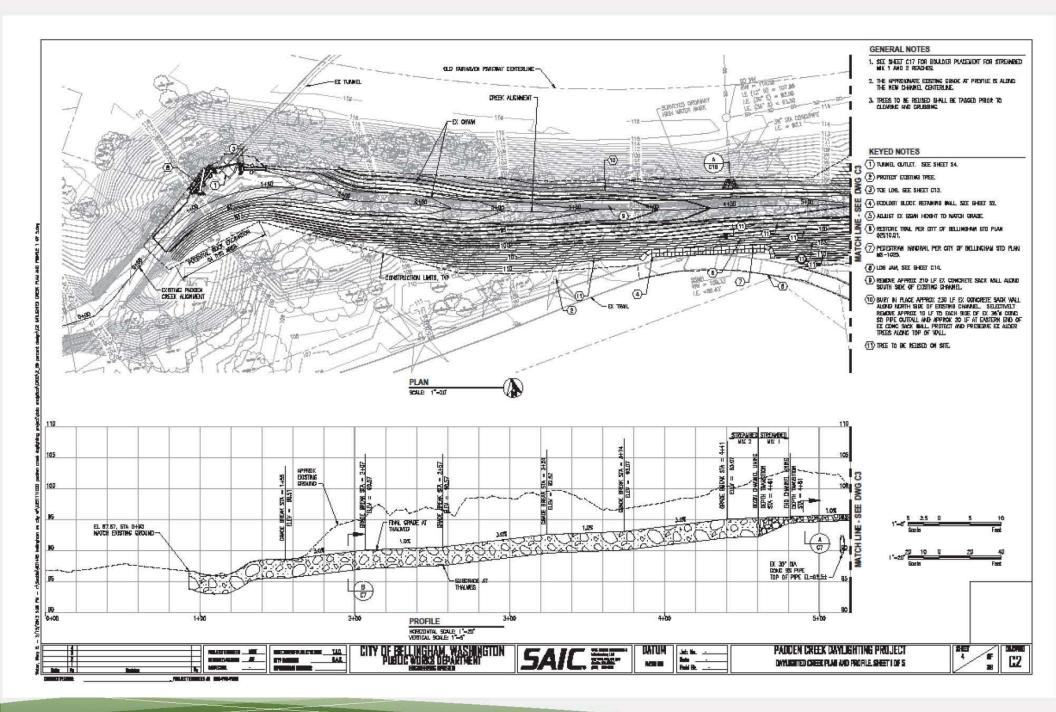
 Construction of the channel should alleviate the flood hazard for approximately 80 residences. This would result in savings on insurance for the property owners.

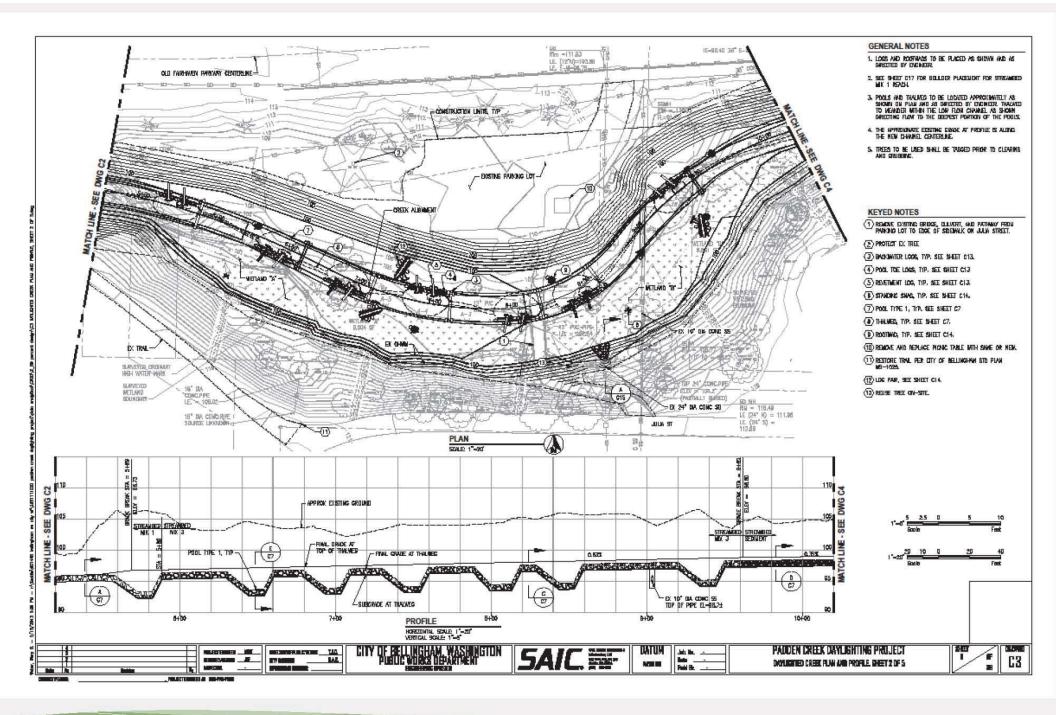
Work to date

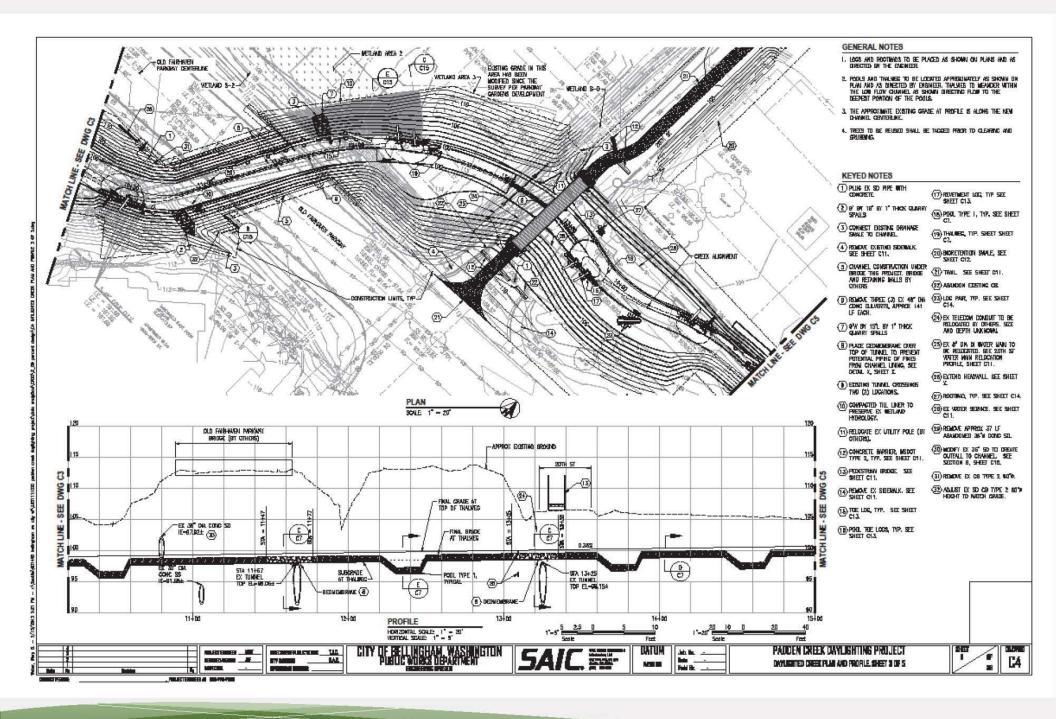
- 1997- Present: Work sessions with Padden Creek Alliance, interested parties and the City of Bellingham
- 2001: Feasibility study by City (RW Beck) which removes tunnel
- 2002: Feasibility study by Jones Engineering for Padden Creek Alliance which retains tunnel
- 2011: DOE Revolving loan of \$1,426,000 and Centennial Grant of \$500,000 received

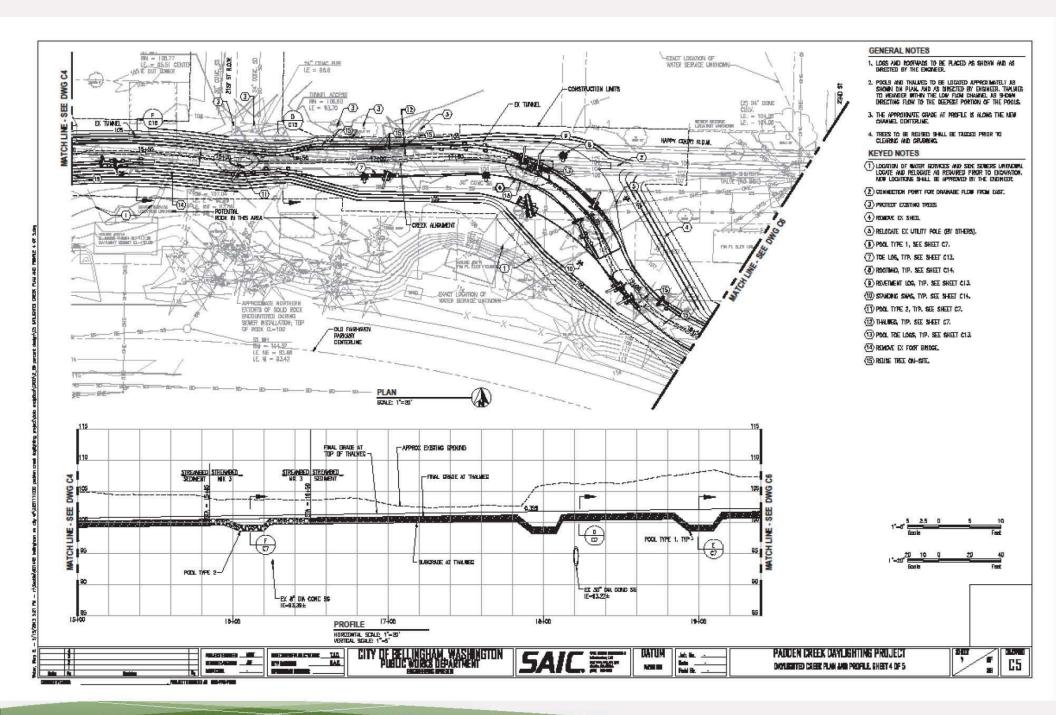
Work to date

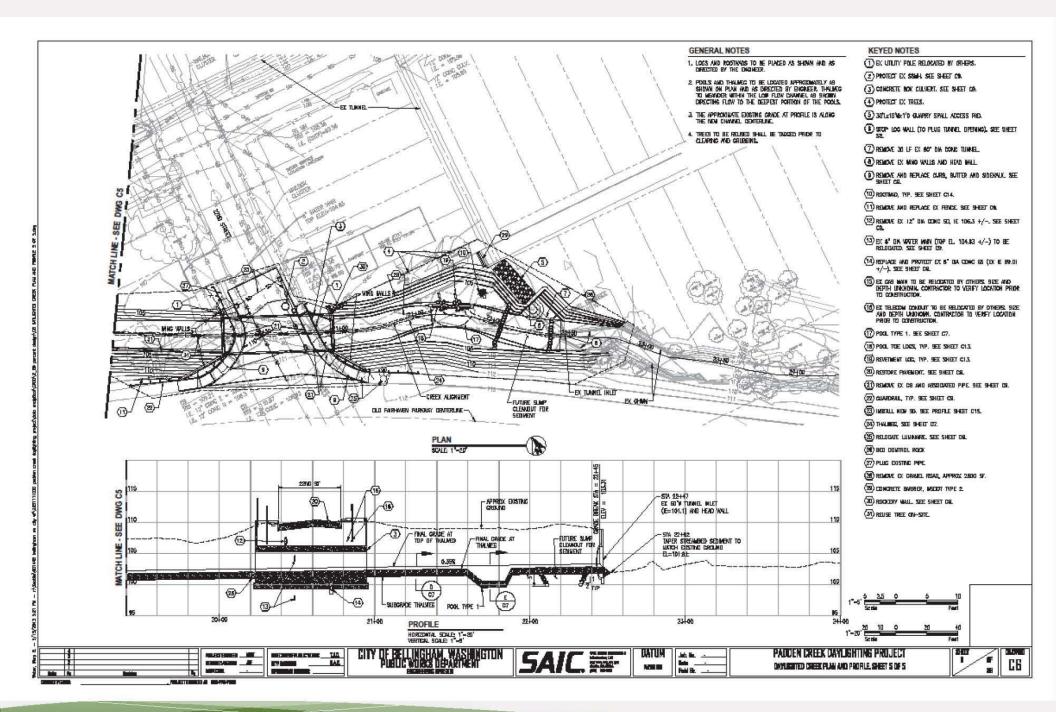
- Property acquisition
- 2012: SAIC (formerly RW Beck) teamed with Jones Engineers begin work on design
- 2013: Currently at 60% design stage for the creek
- 2013: WSDOT begins bridge construction on Old Fairhaven Parkway for future creek channel



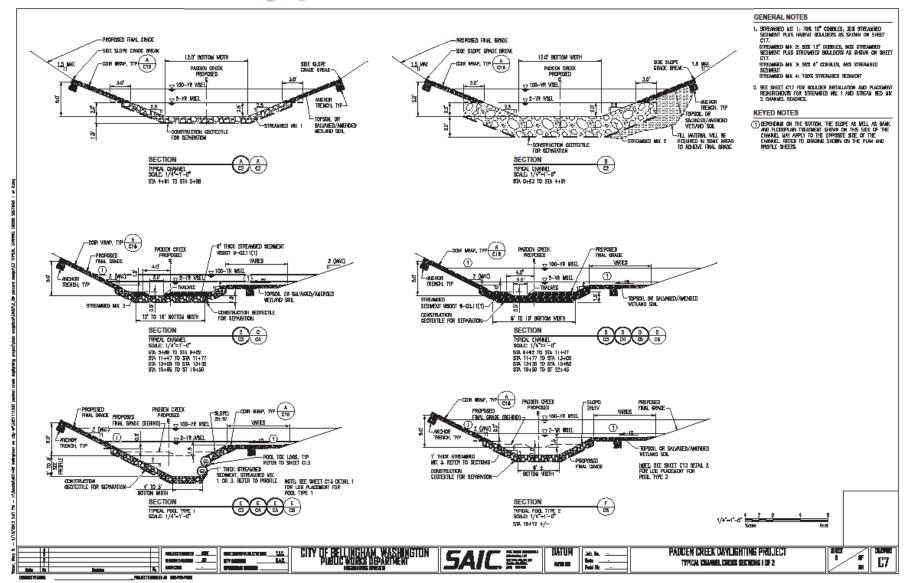




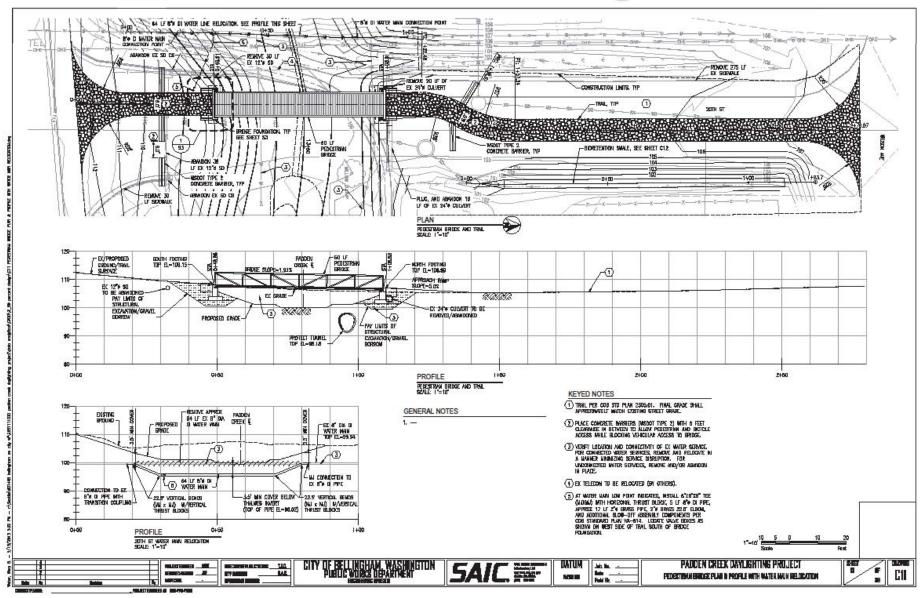




Typical Sections



20th Street Footbridge Detail



Stabilization/Habitat



Stabilization/Habitat



Next steps

- Necessary property purchases and easements
- Funding opportunities
- Utility relocations
- Consensus of regulatory agencies regarding a final plan
- Permanent vehicle closure of 20th
 Street

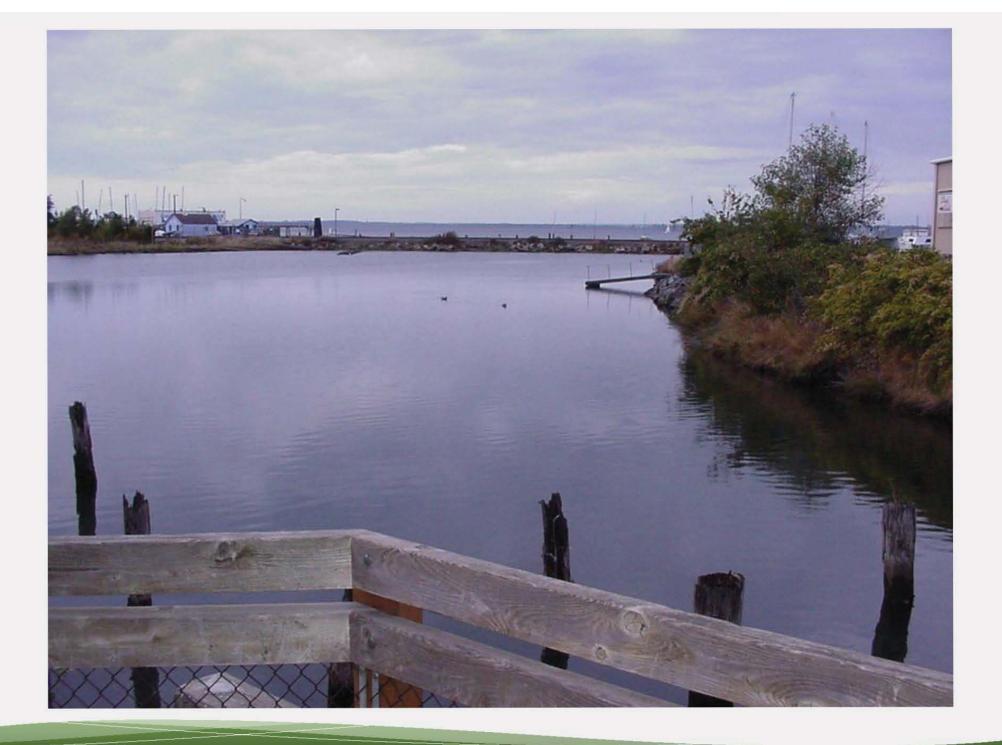
Additional challenges

- Appropriate buffer
- Maintenance
- Public access
- Education component
- Fish habitat design/WDFW
- Check final design for consistency with Happy Valley Neighborhood Plan

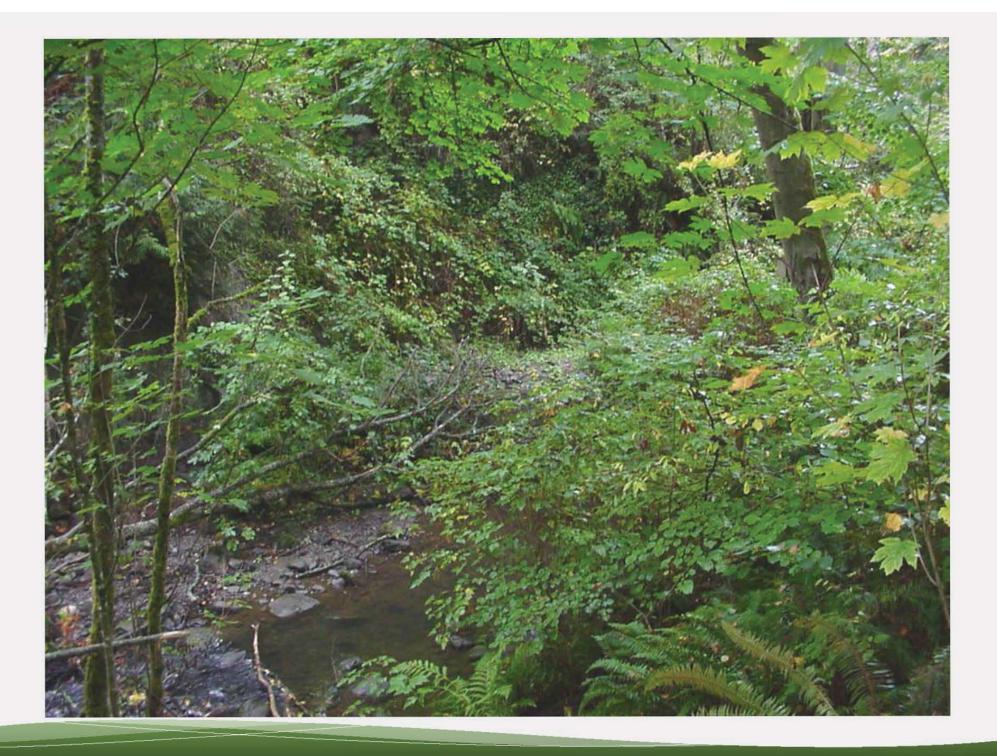
Schedule

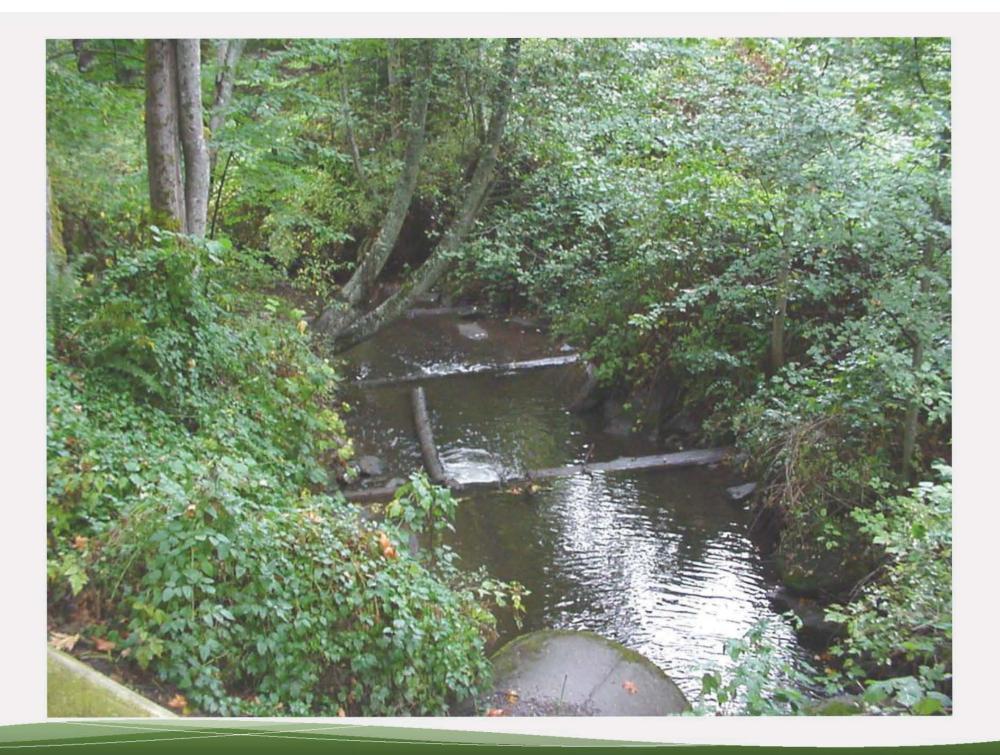
- WSDOT bridge construction (Start 2013)
- Finalize the creek design (Late 2013)
- All easements in place
- Regulatory permitting
- Secure final funding
- Continue communicating with stakeholders
- Construction in 2015

Stream Walk What will it look like?

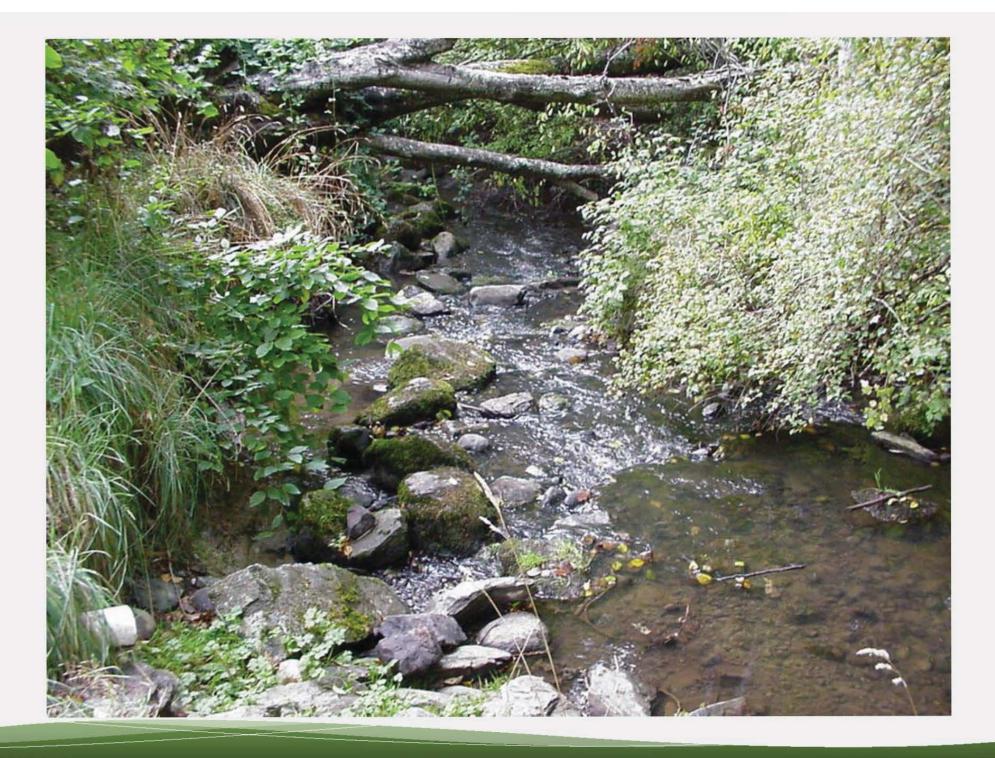


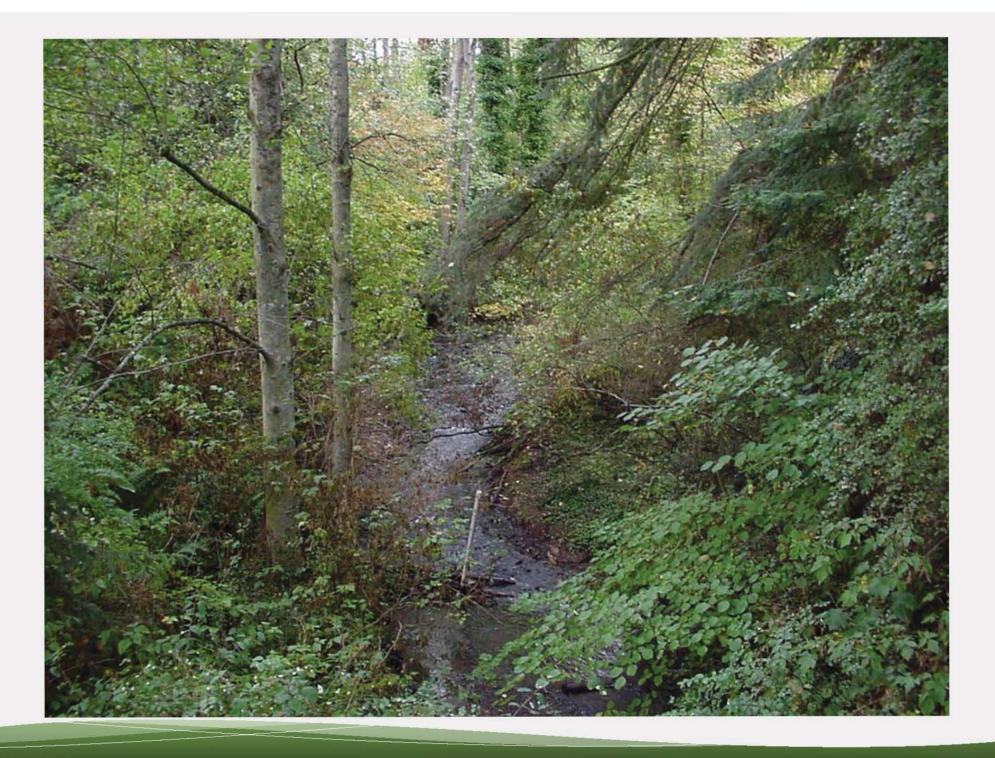


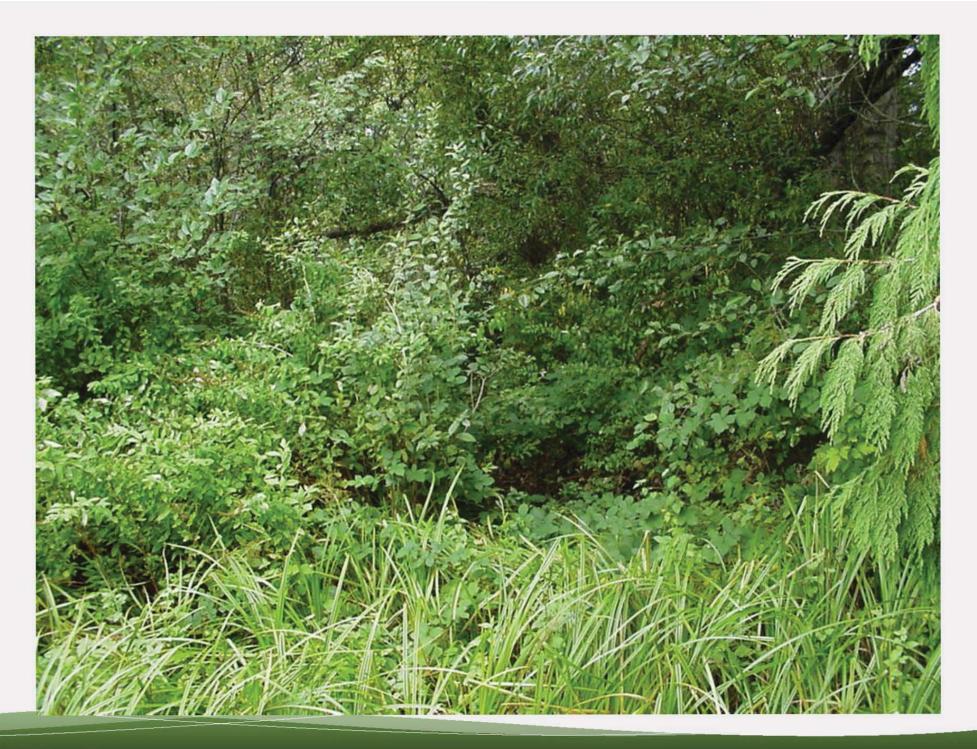


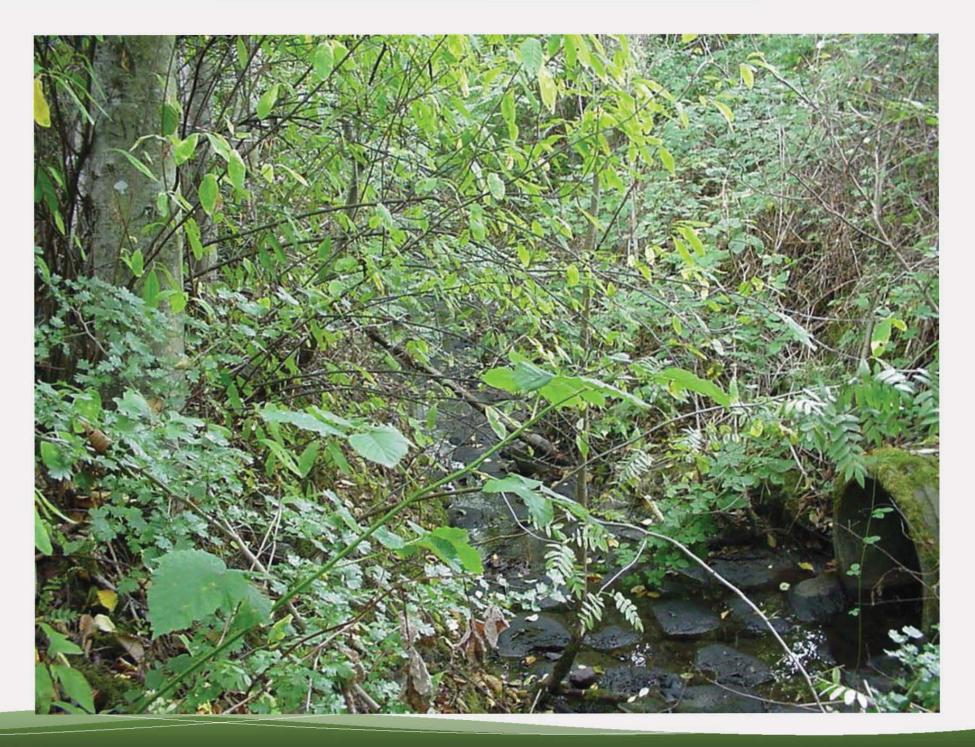




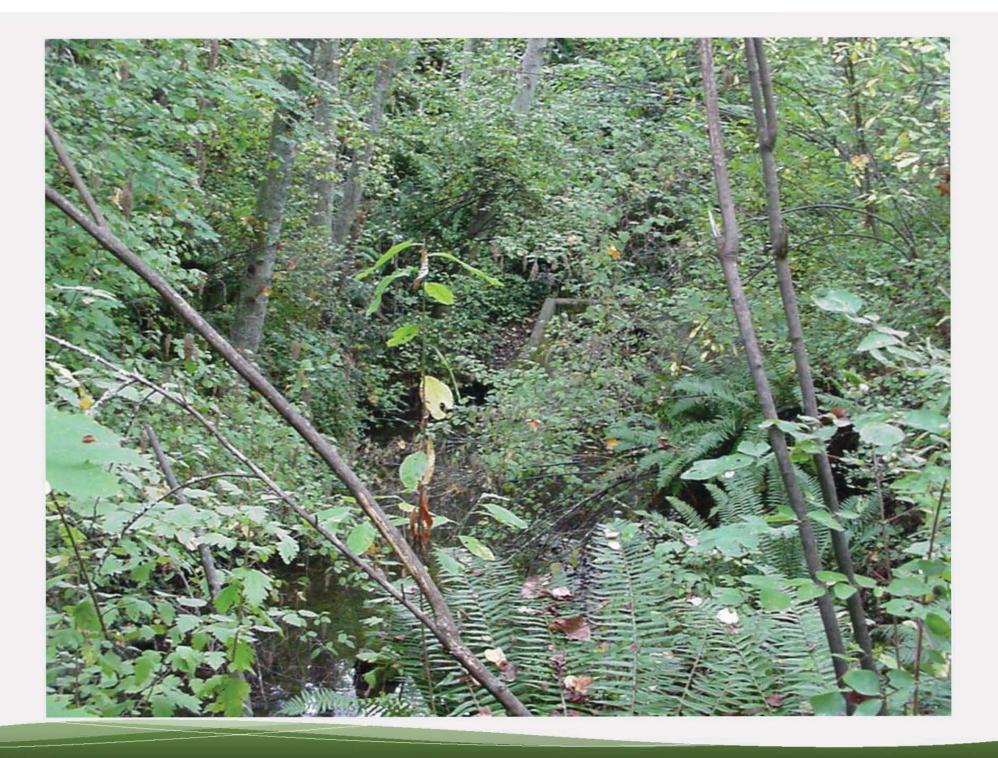


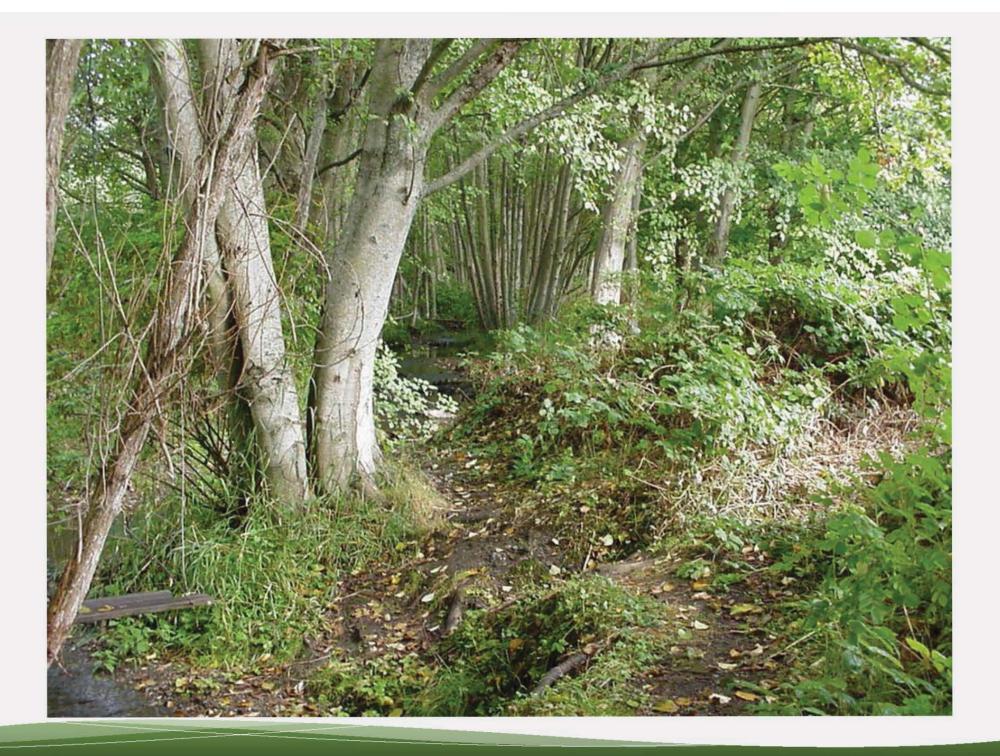






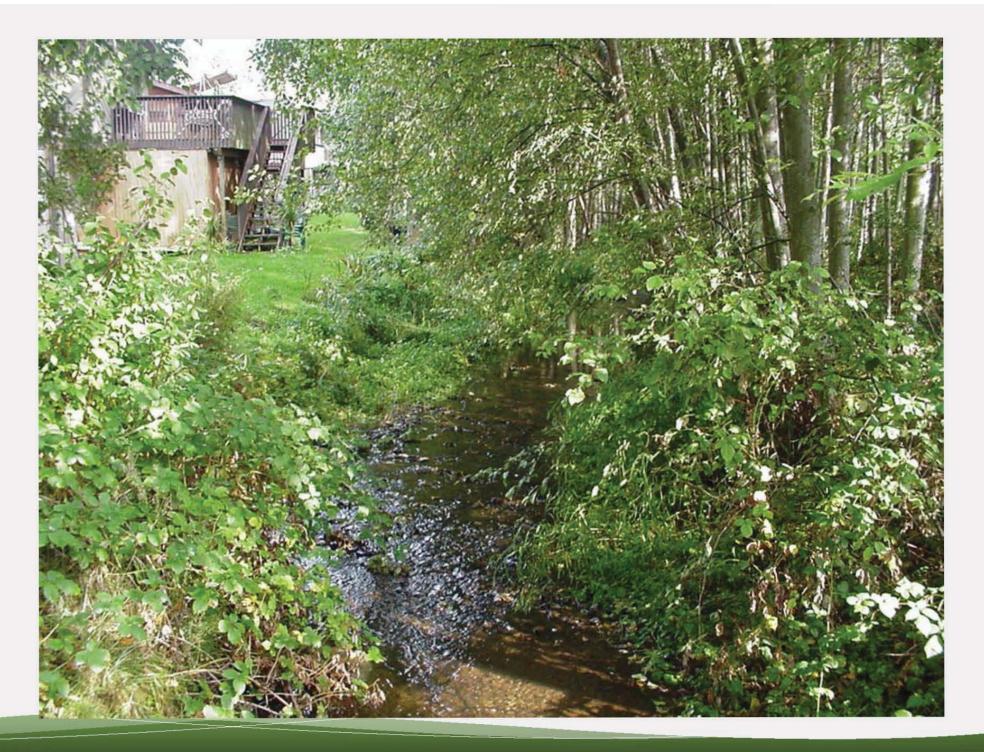


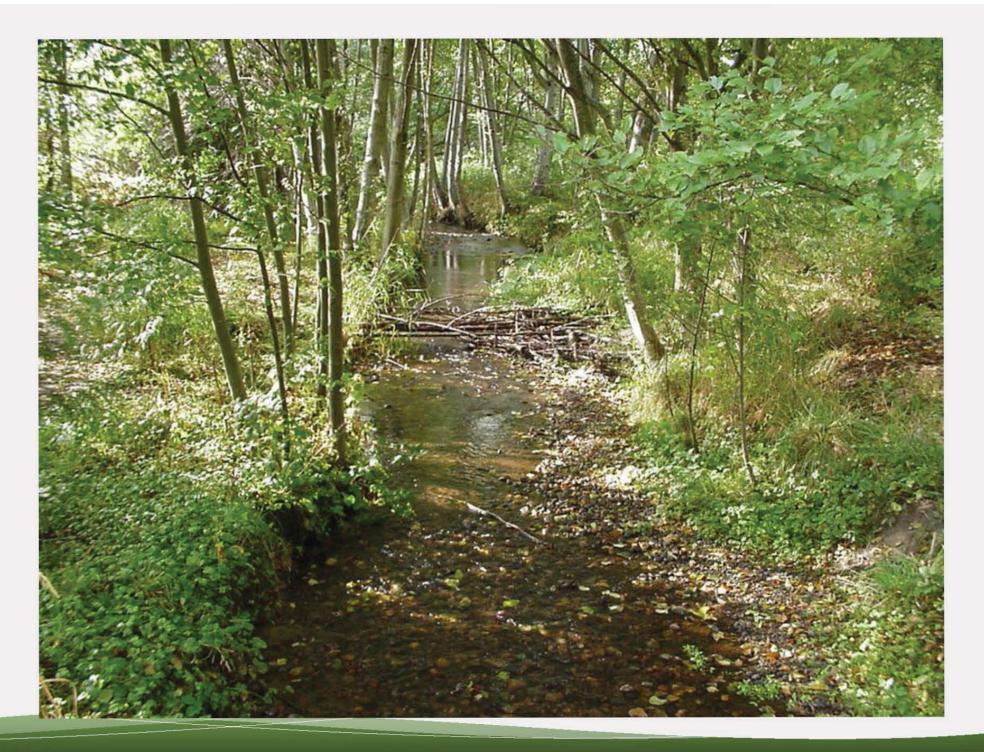






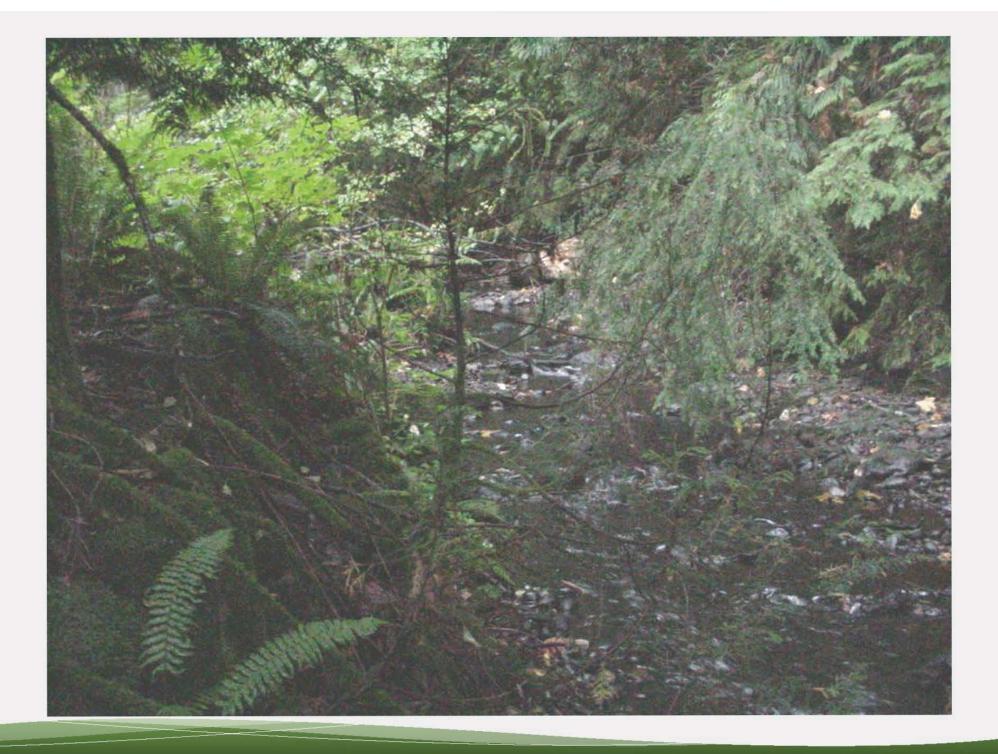
Confluence of Padden and Connelly Creeks





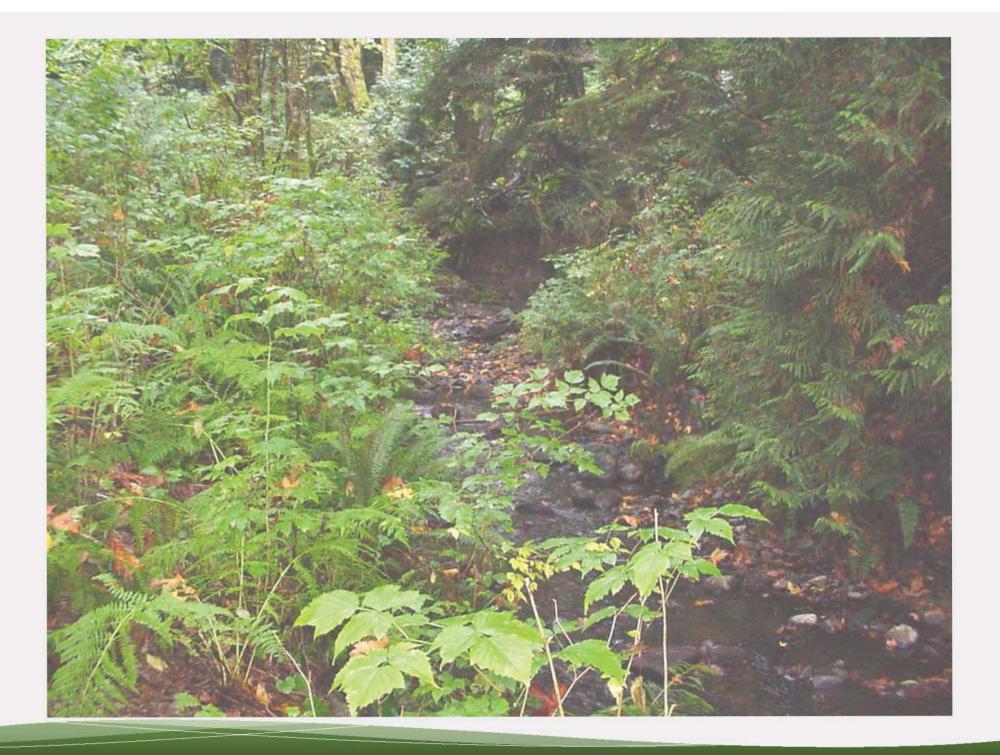


30th and Old Fairhaven Parkway



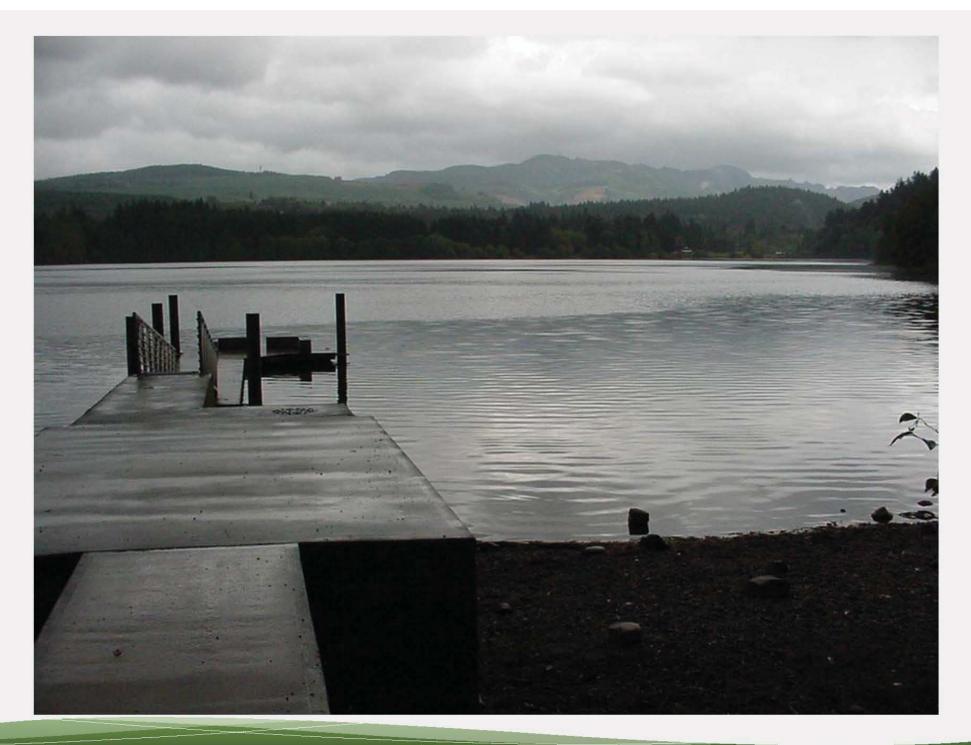












Lake Padden at Outlet

Questions?



City of Bellingham

Padden Creek Daylighting

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