Restoring Fish Passage at WSDOT Stream Crossings

Washington State Transportation Commission Meeting

Kim Mueller, P.E.
Fish Passage Delivery Manager
Environmental Services Office
February 16, 2021

Roger Millar, Secretary of Transportation
Keith Metcalf, Deputy Secretary of Transportation
Presentation Overview

Current Progress
- Delivering Fish Barrier Corrections this Biennium

Virtual Tour
- Fish Barrier Correction Construction efforts from summer 2020

Looking Ahead
- Injunction Compliance Investment Levels
Fish Passage Barriers Completed from 2013 through June 2020
Delivery Plan Prioritization Principles

- Tribal Input
- Habitat Access
- Geographic Bundling
- Culvert Condition
- Public Impacts
- Downstream Barriers
- Partnership Opportunities
- Project Readiness
Delivery Efficiencies

Design-Build at Coffee Creek
Coffee Creek

Salmon at the New Structure
Delivery Efficiencies

Bundling Projects – Harlow, Fisher, & Steamboat Creeks
Harlow & Fisher Creeks

Harlow Creek, US 101
October 2020

Fisher Creek, US 101
July 2020, Under construction
Project Efficiencies

Alternative construction materials and techniques – Loutsis Creek
Project Efficiencies

Partnerships – Ravensdale Creek
Minter Creek
Work in the Watershed: Minter Creek

Due to the scale of this map, some barriers are located on small tributaries that aren’t shown.
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COVID-19 Challenges

- Some field work was delayed or temporarily shut down
- Furloughs reduced necessary project hours
# Injunction Compliance Investment Levels

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</thead>
<tbody>
<tr>
<td><strong>Current budget</strong></td>
<td>$185M</td>
<td>$275M</td>
<td>$726M</td>
<td>$100M</td>
<td>$21M</td>
<td>$53M</td>
<td>$33M</td>
<td>$1.4B</td>
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<tr>
<td><strong>Total budget</strong></td>
<td>$185M</td>
<td>$275M</td>
<td>$726M**</td>
<td>$730M**</td>
<td>$735M**</td>
<td>$740M**</td>
<td>$405M**</td>
<td>$3.8B</td>
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<tr>
<td><strong>Additional dollars</strong> needed</td>
<td></td>
<td></td>
<td>$630M</td>
<td>$714M</td>
<td>$687M</td>
<td>$372M</td>
<td></td>
<td>$2.4B*</td>
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<tr>
<td><strong># Barriers Corrected</strong></td>
<td>66</td>
<td>24</td>
<td>90-110</td>
<td>115-130</td>
<td>115-130</td>
<td>115-130</td>
<td>30-40</td>
<td>580-600</td>
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* Remaining part of the estimated $3.1B funding needed following $668M being funded by the legislature during the 2020 session

** Aligns with the Governor’s Proposed Budget

- Opens 90% of blocked habitat by 2030 as required by the Injunction
- Includes funds to correct culverts that structurally fail as required by the Injunction
- Includes a small amount of funding for high value corrections outside the case area
- Continued funding needed after 2030 to correct culverts that structurally fail and those deferred
Looking Ahead
Contact Information

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Resources

wsdot.wa.gov/Projects/FishPassage/default.htm – WSDOT Fish Passage webpages

www.youtube.com/watch?v=u7HT6oMqAco (Video) – A fast look into the complicated process of designing a fish passage project.