Rewetting Our Waterways: Floodplain Restoration in an Occupied Landscape

Knowledge Exchange Workshop November 18th, 2025 ~ 9:00am – 3:30pm PST

Supplementary Materials

BRIAN CLUER – RESILIENT RIVERS, NOAA-FISHERIES (RET.)

Cluer and Thorne: A STREAM EVOLUTION MODEL INTEGRATING HABITAT AND ECOSYSTEM BENEFITS - Cluer - 2014 - River Research and Applications - Wiley Online Library

Wohl et al: Frontiers | Rediscovering, Reevaluating, and Restoring Lost River-Wetland Corridors

Hauer et al: Gravel-bed river floodplains are the ecological nexus of glaciated mountain landscapes

Powers et al 2019: A process-based approach to restoring depositional river valleys to Stage 0, an anastomosing channel network - Powers - 2019 - River Research and Applications - Wiley Online Library

Powers et al 2022: Rediscovering, reevaluating, and restoring Entiatqua: Identifying pre-Anthropocene valleys in North Cascadia, USA - Powers - 2022 - River Research and Applications - Wiley Online Library

Collins et al: Restoration of Puget Sound Rivers - Google Books

Harvey et al 2025: Assessing the Benefits of Valley-Bottom Restoration for Salmonids Using Spatially Explicit, Individual-Based Modeling - Harvey - River Research and Applications - Wiley Online Library

Rancho Canada Golf Course to FP: Home — Rancho Cañada Floodplain Restoration Project

Russian River gravel pits to FP: Russian River Floodplain Restoration Project - Russian Riverkeeper

JACOB KATZ, CALIFORNIA TROUT

ALLEN CHILDS – THE CONFEDERATED TRIBES OF THE UMATILLA NATION

NATASHA LUKEY – OKANAGAN NATION ALLIANCE

The salmon story, as one of the syilx captikʷɬ, is a very complex, intricate story which takes days to tell. The only source we can point to is the following link where some parts of the story have been simplified and published in the children's book here: Shop – Okanagan Nation Alliance, **How Coyote Broke the Salmon Dam**

Parker et al. 2007: Physical basis for quasi-universal relations describing bankfull hydraulic geometry of single-thread gravel bed rivers - Parker - 2007 - Journal of Geophysical Research: Earth Surface - Wiley Online Library

Parker 2004 – the Gravel River Bankfull Discharge Estimator Tool: BankfullChannelEstimator.ppt

ALLAN WARREN – BONNEVILLE ENVIRONMENTAL FUND (FLOODPLAINS BY DESIGN)

FloodplainsbyDesign.org

Interactive map of flood risk: https://mil.wa.gov/enhanced-hazard-mitigation-plan

Study in Washington that was similar to the CA 'floodplain fatties': Josh Kubo at King County is leading this study, and Jacob Katz's presentation reminded me of a site tour where I learned a bit about it. I reached out to Josh after the webinar and I don't know if he's published the studies yet, but he did share a couple of story links: https://kingcountyscience.com/2025/06/11/salmon-science-and-side-channels-on-the-snoqualmie-river/ and Seattle Times: https://www.seattletimes.com/seattle-news/climate-lab/scientists-confine-study-chinook-at-restored-snoqualmie-river-habitat/

Two studies recently published by the US Chamber of Commerce and Allstate Insurance Co. about the long-term economic impacts of disasters and the benefits of doing this work:

1. The Preparedness Payoff: The Economic Benefits of Investing in Climate Resilience (2024)
2. Beyond the Payoff: How Investments in Resilience and Disaster Preparedness Protect Communities (2025)

JESSICA HAMILL – SNOHOMISH COUNTY

Comprehensive Planning for Flood Hazard Management: A Guidebook

TAMSIN LYLE – EBBWATER CONSULTING

Coastal flood risk assessment guidelines for building and infrastructure design: supporting flood resilience on Canada's coasts

Planning to Build Resilient Infrastructure: A case study of sea level rise adaptation planning in the City of Vancouver

Assessing coastal flood risk in a changing climate for the City of Vancouver