

LESSONS LEARNED IN RESTORATION FROM INTENSIVELY MONITORED WATERSHEDS OF THE PACIFIC NORTHWEST

Virtual Knowledge Exchange Workshop – Speaker Profile

DR ROBERT BILBY

Science Advisory Panel, Salmon
Recovery Funding Board



Dr Robert Bilby is a stream ecologist and former Senior Researcher at Weyerhaeuser Company in Longview, Washington. He currently is a member of the Science Advisory Panel of the Washington Salmon Recovery Funding Board and his research career has focused on the effects of land use on stream ecosystems and salmonid fishes.

Dr Bilby's research has been highly influential in the fields of riparian ecology, forest management, organic matter and trophic dynamics, as well as Pacific salmon recovery. With over 100 peer-reviewed publications spanning many decades, Dr Bilby's research has made a significant contribution to the ongoing efforts to restore freshwater and estuary habitats for salmon across the Pacific Northwest.

Additional resources:

<https://afspubs.onlinelibrary.wiley.com/doi/abs/10.1002/fsh.10991>

<https://rco.wa.gov/wp-content/uploads/2022/06/PNWMonitoredWatershedReport2022.pdf>

<https://www.researchgate.net/profile/Robert-Bilby>

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DR CORREIGH GREENE

Fisheries Research Biologist, National Oceanic & Atmospheric Administration



Dr Correigh Greene is a Research Biologist with the National Oceanic and Atmospheric Administration in its Watershed Program at the Northwest Fisheries Science Center in Seattle. Correigh has studied the population biology and habitat relationships of Pacific salmon since he started at the Science Center as a post-doctoral researcher in 2001. Correigh is particularly interested in how life history variation can emerge from variable residency patterns associated with habitat use and environmental factors, and also the ways in which people can facilitate population resilience through habitat restoration and other strategies.

Much of Correigh's research focuses on the estuarine ecology of salmon. He currently leads a long-term study of the population effects of estuary restoration upon juvenile Chinook salmon in the Skagit River (WA). Correigh lives in Seattle with wife Jen and two children, plus 2 rabbits and 3 cats.

Additional resources:

<https://www.researchgate.net/profile/Correigh-Greene>

<https://www.pnamp.org/imw-documents>

https://skagitcoop.org/wp-content/uploads/EB2918_Greene-et-al_2016.pdf

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MIKE LEMOINE

Director of Research & Recovery,
Skagit River System Cooperative



Mike LeMoine is Director of Research and Recovery at Skagit River System Cooperative, a tribal authorized organization representing Sawk-Suiattle Indian Tribe and the Swinomish Indian Tribal Community.

Mike grew up in the Pacific Northwest and has lived around the waters of the Salish Sea most of his life, though he had a brief Canadian foray at the University of New Brunswick. Mike has worked for almost 10 years supporting treaty rights and tribal research programs, and his main interests are developing tools to improve salmon recovery outcomes and tracking the status and trends of salmon recovery.

Additional resources:

<https://www.pnamp.org/imw-documents>

https://skagitcoop.org/wp-content/uploads/EB2918_Greene-et-al_2016.pdf

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DR JOSEPH ANDERSON

Washington Department of Fish & Wildlife



Dr Joe Anderson is a Research Scientist with the Washington Department of Fish and Wildlife in Olympia, Washington. Joe leads a monitoring program for salmon and steelhead in Puget Sound that describes patterns of abundance, productivity and life history diversity, with a focus on juvenile downstream migrant trapping. Joe works in a variety of inter-agency collaborations, and his research aims to understand how habitat, hatcheries, and harvest management affect salmon population viability.

Joe's career in fisheries science was inspired by an internship during his BS at Stanford, which landed him in Yellowstone National Park. He spent the summer on Lake Yellowstone netting non-native lake trout as well as electro-fishing streams in the park and mapping the distributions of native fish species.

Additional resources:

<https://srp.rco.wa.gov/content/SRFB-IMW-Synthesisifinal-6-23.pdf>

<https://www.researchgate.net/profile/Joseph-Anderson-3>

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DR STEPHEN BENNETT

Watershed Sciences Department, Utah State University, &
Co-Owner of Anabran Solutions



Dr Stephen Bennett is a fish and wildlife biologist, research scientist, and adjunct professor in the Watershed Sciences Department at Utah State University in Logan, Utah. With over 30 years of experience in conservation, wildlife biology, and restoration ecology across western North America, Stephen has made significant contributions to environmental research and management.

Stephen is also co-owner of the company “Anabran Solutions”, which specializes in the planning, implementation, and monitoring of low-tech process-based restoration. This method uses low-tech structures, namely beaver dam analogs (BDAs) and post-assisted log structures (PALS), to initiate self-sustaining river processes that use the power of flowing water to do the bulk of the restoration work.

Additional resources:

<https://www.researchgate.net/profile/Stephen-Bennett-5>

See PSF Knowledge Exchange webpage for additional reports and publications.

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JAMIE LAMPERTH

Washington Department of Fish & Wildlife



Jamie Lamperth is a Senior Fish Biologist with the Washington Department of Fish and Wildlife and has been conducting research and monitoring of imperiled salmon, steelhead, and bull trout populations in Washington and Idaho for 20 years. His work has focused on better understanding salmonid life history diversity, population demographics and dynamics, as well as relationships between fish and their habitat. Jamie has been leading the fish monitoring portion of the Lower Columbia IMW project for 6 years.

Additional resources:

https://www.lcfrb.org/files/ugd/810197_e88630ce7bc14e31bf7d23e61ff5469e.pdf

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ELI ASHER

Policy Specialist, Governor's Salmon Recovery Office



Eli Asher has spent over a decade implementing habitat restoration and fish passage actions for the Cowlitz Indian Tribe, many of which supported the Lower Columbia Intensively Monitored Watershed effort near Longview, Washington. Eli currently works as a Policy Specialist with the Governor's Salmon Recovery Office in Olympia, where he oversees development of the biennial State of Salmon in Watersheds report and works closely with regional salmon recovery organizations to update and accelerate implementation of salmon recovery plans. When he is not working, Eli is a passionate seeker of Pacific Northwest wild foods, native and introduced, from the bottom of the ocean to the highest mountain peaks.

Additional resources:

<https://cowlitz.org/natural-resource>

https://www.lcfrb.org/files/ugd/810197_e88630ce7bc14e31bf7d23e61ff5469e.pdf

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DR GEORGE PESS

Watershed Program Manager,
National Oceanic & Atmospheric
Administration



Dr George Pess is Manager for the Watershed Program at the US National Oceanic and Atmospheric Administration Northwest Fisheries Science Center. He is also an affiliate professor at the University of Washington School of Aquatic and Fishery Sciences.

George has worked in the field of fisheries since 1989 and over his highly esteemed career, his primary research interest has been the examination of natural and land-use effects on Pacific salmon habitat and salmon production. He has published prolifically on the topic of how landscape characteristics and land use affects salmon abundance, and his research on the influence of wood in forested stream channels has had immeasurable influence in the realms of science, habitat restoration, and forest management practices. George also has led the science program to measure ecosystem responses to the Elwha dam removals in WA. This has been a massive undertaking, requiring tremendous leadership and coordination.

Additional resources:

<https://www.researchgate.net/profile/G-Pess>

<https://afspubs.onlinelibrary.wiley.com/doi/10.1002/fsh.10992>

<https://srp.rco.wa.gov/content/SRFB-IMW-Synthesisifinal-6-23.pdf>

<https://onlinelibrary.wiley.com/doi/full/10.1002/esp.5520>

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