Hallowat Creek Large Wood Project – Habitat Effectiveness Monitoring

Troy Brandt, Fisheries Biologist

Jonathan Ferree, Geomorphologist
Sediment Outcomes for a Small Dam Removal on the Calapooia River, Oregon

Reservoir 2007 (Pre-removal)  Reservoir 2008 (1 year post-removal)

Cara Walter, Faculty Research Associate
Desireé Tullos, Assistant Professor
Biological and Ecological Engineering
Oregon State University

Photo taken by John Martin, C.E.S
Oregon Watershed Enhancement Board
Effectiveness Monitoring Program

Courtney Shaff, Oregon Watershed Enhancement Board
Effectiveness Monitoring Program

• Livestock Exclusion Monitoring
• Dam Removal Monitoring
• Irrigation Efficiency Monitoring
• Wetlands Monitoring
• Conservation Reserve Enhancement Program Monitoring
Stephens Creek Confluence Habitat Enhancement Project
Case Study in Design/Construction Lessons Learned

By: Mauria Pappagallo, EIT & Ryan Makie, PE
Balancing riparian restoration with recreational access on the National Forest

William Ehinger
Hydrologist
Cle Elum Ranger District
Okanogan – Wenatchee NF

Rebecca Wassell
Yakima Basin Program Manager
Mid-Columbia Fisheries Enhancement Group
Finney Creek Instream Restoration

Presented by:

Perry Welch
Biologist and Project Manager
Skagit Fisheries Enhancement Group

Roger Nichols, Geologist,
US Forest Service Mount Baker Ranger District (360) 856-5700

Stan Zyskowski, Biologist,
North Cascades National Park
Sedro-Woolley WA 98284; (360) 856-5700

Alison Studley, Executive Director and Project Manager,
Skagit Fisheries Enhancement Group.
Mount Vernon WA (360) 336-0172
Restoring Historic Hydrologic Processes on a Fluvial Island at the Confluence of the McKenzie and Willamette Rivers

Jeremy Kobor\textsuperscript{1}, Jodi Lemmer\textsuperscript{2}, and Jim Reed\textsuperscript{3}

\textsuperscript{1} Hydrologist, DHI Water & Environment
\textsuperscript{2} Land Steward, McKenzie River Trust
\textsuperscript{3} Mapping and GIS Consultant, The Hydrologic Group
These projects involve replacing existing open return ditches with continuous perforated pipe below ground from the low areas to the river.

Monitoring of these projects has shown that the returning water is cooled by as much as 17 °F from the original river temperature before reentering the river after use.

Water quality improved by reduction in contaminants associated with land use practices, many sites meet state drinking water standards.

Wendy Neal, Lead Monitoring Tech - Confederated Tribes of Warm Springs
Erosion and Aggradation in the Columbia River Estuary

Tim Abbe, Technical Director, ENTRIX Environmental Consultants
Brendan Belby, Senior Project Scientist, ENTRIX
Kelley Jorgensen, Senior Ecologist, Bradwood Landing
The Klickitat Watershed Enhancement Project

Will Conley, Watershed Restoration Specialist
Yakama Nation Fisheries Program

River Restoration Northwest
Eighth Annual Stream Restoration Design Symposium
February 4, 2009
Presented by David Renstrom,
Land Management Specialist
Fiber Optics in the Middle Fork of the John Day River

Julie Gabrielli, Graduate Student, Oregon State University
Partnership and Permitting: Lessons Learned Through Brownsville and Gold Hill Dam Removals

K. Lauren Senkyr, AmeriCorps Outreach Specialist, NOAA Restoration Center
Collaborative Fish Screen Design on Crabtree Creek in Linn County, OR

Les Perkins
Farmers Conservation Alliance
Evaluating survival rates of CREP plantings along the Middle Fork John Day River

Stephane Charette, OCA Habitat Manager
Kristen Coles, FCA Habitat Manager
The Confederated Tribes of Warm Springs Reservation of Oregon
Using Physical and Biological Conditions to Evaluate Stream Barriers used for Native Trout Recovery in Arizona

Allen Haden & Stephanie Yard, P.E.
Natural Channel Design, Inc., Flagstaff, AZ

A systematic analysis of functionality of barriers for preventing passage of nonnative trout into streams required for endangered Apache trout recovery.

Onchorhynchus gilae apache
Restoration of Salmon Overwinter Habitat in Big Boulder Creek, AK

A multi-stage approach to enhancing salmon habitat and restoring an historic distributory channel network

Tom Moody, P.E.
Natural Channel Design, Inc., Haines, AK

Allen Haden
Natural Channel Design, Inc., Flagstaff, AZ