DESIGN AND IMPLEMENTATION OF A LARGE SCALE RIVER RESTORATION PROJECT;
CASE STUDY (UPPER ARKANSAS RIVER RESTORATION PROJECT) LEADVILLE, CO

Brett Jordan, PhD, PE, HydroGeo Designs LLC., Buena Vista, CO.
Barbara Gray, HydroGeo Designs LLC., Buena Vista, CO.
Greg Brunjak, Lake County Conservation District, Leadville, CO.
Proposed research study:
Response of stream/meadow hydro-systems to plug and pond restoration, Silvies Valley, Oregon
Prediction of Scour Depth in Gravel Bed Rivers Using Radio Frequency IDs: Application to the Skagit River

Casey Kramer, WSDOT, State Hydraulic Engineer

Thanos Papanicolaou, Professor, University of Tennessee
Using a Habitat Assessment of *Howellia aquatilis*, a Rare Aquatic Plant, to Identify Floodplain Management Strategies in Northern Idaho

Wiechmann, Catherine L.¹ and Fremier, Alex K. ²

¹ Catherine L. Wiechmann, University of Idaho, College of Graduate Studies
² Alex K. Fremier, School of the Environment, Washington State University
City of Portland
Culvert Replacement/Abandonment on Crystal Springs Creek for Unimpeded Fish Passage

Chad Smith

1 City of Portland, / Bureau of Environmental Services
Using 2-D Hydraulic Modeling and Geomorphic Response Scenarios to Design a Habitat Enhancement and Levee Setback Project in a Sediment-rich Environment

Chris Brummer, Jeanne Stypula, Jeff Parsons, and Mark Ewbank
CREP and Community

Christine M Adelsberger
Restoration Specialist ~ Klamath Basin Rangeland Trust
NATURAL PROCESSES FOR THE RESTORATION OF ALLUVIAL SYSTEMS

Polster Environmental Services Ltd.
Taking Design to Reality: Innovative Solutions to Construction Challenges in tidal Floodplain Restoration

Drew Porter¹ and Tim Abbe²

¹Vice President, BCI Contracting
²Principal Geomorphologist, Natural Systems Design
Implementation of Reach-Scale Restoration Projects in the Nooksack River Watershed

Erica Capuana & Treva Coe
Nooksack Indian Tribe
Deming, WA
RESTORATION OR INFRASTRUCTURE: CAN WE DO BOTH?

Trish Byers, Erica Grimm, Helmut Schmidt
Pierce County Surface Water Management

February 2014
River Restoration Northwest 2014 Poster Session
RECOVERY OF A POST-MAZAMA RIVER ECOSYSTEM OVER SEVERAL DECADES: IMPLICATIONS ON MANAGEMENT AND RESTORATION STRATEGIES

Hoda Sondossi¹, Craig Bienz², and Sue Mattenberger¹

¹ Hydrologist, U.S. Fish and Wildlife Service
² Director, Sycan Marsh Preserve, The Nature Conservancy
Lower Columbia River Tidal Habitat Restoration at Colewort Creek

Hunter L. White, P.E., ESA Vigil-Agrimis

Columbia River Estuary Study Taskforce (CREST) & National Park Service – Lewis and Clark National Historical Park


Colewort Creek Tidal Wetland Restoration
Visualizing Changes in Vegetation Patterns at Former Small Dam Sites

Lara Heitmeyer\(^1\) and Desirée Tullos\(^2\)

\(^1\) Undergraduate, Ecological Engineering, Oregon State University
\(^2\) Associate Professor, School of Biological and Ecological Engineering, OSU
Mousa Diabat, Steve Wondzell, and Roy Haggerty

What is better to restore stream temperature:

More Trees?

More Meanders?

More of both?
CASE STUDY: STREAM RESTORATION WITHIN AN UNCERTAIN WATER MANAGEMENT FUTURE

Nell Kolden¹, Hoda Sondossi², and Jared Bottcher¹

¹Klamath Basin Rangeland Trust, Klamath Falls; ²U.S Fish and Wildlife Service, Klamath Falls
Modelling flood-induced processes causing Russell lupin mortality in the braided Ahuriri River, New Zealand

Luke Javernick ¹  Brian Caruso ¹  Murray Hicks ²  James Brasington ³
Tim Davies ¹  Richard Measures ²

¹. University of Canterbury
². NIWA
³. Queen Mary, University of London

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A DECADE OF SHADING THE TUALATIN WATERSHED:
HOW A UTILITY TAKES AN ECOSYSTEM SERVICES APPROACH TO RIPARIAN AND STREAM ENHANCEMENT


Brian Shepard, Robert Emanuel, Laura Porter, Rich Hunter, and Jared Kinnear
GEOMORPHIC RESPONSE TO CHANGES IN TIDAL EXCHANGE WITHIN ESTUARINE FLOODPLAINS OF THE PACIFIC NORTHWEST
Geomorphic Perspectives on Watershed Assessment in the Oregon Coast Range: Results from Collaborative Service-Learning Projects at Western Oregon University

Steve Taylor¹, Bryan Dutton², Cristina Francisco¹, Riccilee Keller¹, Aquilegia Leet¹, Katherine Noll¹, Brandon Snook¹, Ryan Stanley¹, William Vreeland¹, Pat Aldrich¹

¹Earth and Physical Sciences Department ²Biology Department
Necanicum Wetland Mitigation Bank: MEETING FLOOD HAZARD REDUCTION, LAND CONSERVANCY, & HIGHWAY MITIGATION GOALS

Vaughn Collins, Brad Livingston, Melissa Reich
Northwest Hydraulic Consultants, Oregon Dept. of Transportation, North Coast Land Conservancy