

NWFSC Watershed Program Open House

Museum of History and Industry

2700 24th East, Seattle, Washington 98112

March 19th, 2002

RSVP Required - NWFSC.Watershed.Program@noaa.gov

- 8:30 Welcome - Usha Varanasi/Phil Roni**
- 8:50 - 9:00 Overview of the Ecosystem Processes and Land Use Team- Peter Kiffney**
- 9:00 - 9:25 Dynamics of floodplain ecosystems: preliminary results - Tim Beechie, Ali Senauer, Martin Liermann, and Blake Feist
- 9:25 - 9:50 Coarse sediment storage by large woody debris in headwater streams - Michael Pollock, Jill Silver (Northwest Indian Fisheries Commission)
- 9:50 - 10:15 A broad-scale habitat inventory for the Willamette - Lower Columbia: Approach and applications - Ashley Steel and Mindi Sheer (Conservation Biology, NWFSC)
- 10:15 - 10:30 BREAK
- 10:30 - 10:55 Factors affecting food webs in Pacific Northwest streams - Peter Kiffney, Beth Sanderson (Environmental Conservation, NWFSC), and Phil Roni
- 10:55 - 11:20 Utilization of nitrogen from spawning salmon by juvenile chinook salmon and steelhead in two tributaries of the Columbia River - Todd Bennett, Phil Roni, and Bob Bilby (Weyerhaeuser Company)
- 11:20 - 11:30 Overview of the Fish and Habitat Relationships Team - Tim Beechie**
- 11:30 - 11:55 Statistical approaches to the analysis of fish density data - Martin Liermann, Ashley Steel, Michael Rosing (Greenland Institute of Natural Resources), and Peter Guttorp (University of Washington)
- 11:55 - 12:20 Evaluating persistence of chinook salmon using habitat-specific models - Correigh Greene, Mary Ruckelshaus (Conservation Biology, NWFSC), Tim Beechie, and Eric Beamer (Skagit System Cooperative)
- 12:20 - 1:30 BREAK
- 1:30 - 1:55 Abundance and distribution of juvenile salmonids and three forage fish species in nearshore waters of Skagit Bay, Puget Sound, Washington: Results from the 2001 townet pilot study - Casey Rice, Eric Beamer (Skagit System Cooperative), Dan Lomax (Ecotoxicology Program, NWFSC), Rich Henderson (Skagit System Cooperative), and George Pess
- 1:55 - 2:20 Predicting steelhead redd density in the Willamette River basin from landscape characteristics - David Jensen, Ashley Steel, Blake Feist, George Pess, Bob Bilby (Weyerhaeuser Company), and Jody Brauner (University of Washington)
- 2:20 - 2:30 Overview of the Restoration Team - George Pess**
- 2:30 - 2:55 A review of stream restoration techniques and a hierarchical strategy for prioritizing restoration in Pacific Northwest watersheds - Phil Roni, Tim Beechie, George Pess, Michael Pollock, Frank Leonetti (Snohomish County Public Works), and Bob Bilby (Weyerhaeuser Company)
- 2:55 - 3:10 BREAK
- 3:10 - 3:35 Restoration of off-channel habitats for Pacific salmon - Sarah Morley, Patsy Garcia, Todd Bennett, and Phil Roni
- 3:35 - 4:00 The truth about non-indigenous species in Pacific Northwest estuarine ecosystems - Blake Feist and Peter Kareiva (The Nature Conservancy)
- 4:00 - 4:25 Response of the riverine ecosystem to altered sediment and wood supply downstream of Elwha Dams - George Pess, Michael McHenry (Lower Elwha S'Klallam Tribe), **Tim Beechie**, and Peter Kiffney
- 4:25 - 4:35 Closing Remarks - Phil Roni**

Posters: (authors available)

Effect of channel slope and width on pool formation by wood, and implications for riparian management - Tim Beechie - (10:00 - 10:45)

Effects of shoreline armoring on summer spawning habitat of the surf smelt (*Hypomesus pretiosus*) - Casey Rice - (1:55 - 2:20)

From sediment bioassay to fish biomarker? Connecting the dots using simple trophic relationships - Casey Rice, Mark Myers (Ecotoxicology Program, NWFSC), Maryjean Willis (Ecotoxicology Program, NWFSC), Barb French (Environmental Technology and Assessment Program, NWFSC), and Ed Casillas (Fish Ecology, NWFSC) - (1:55 - 2:20)

Holocene and recent geomorphic processes, land use and salmonid habitat in two north Puget Sound river basins - Tim Beechie, Brian Collins (University of Washington), and George Pess - (10:00 - 10:45)

Impacts of riparian Red Alder on the nutrient dynamics and aquatic communities of headwater streams - **Carol Volk** (University of Washington), Peter Kiffney, Robert Edmonds (University of Washington), and Cathy Eberhart (University of Washington) - (1:30 - 2:00)

Predicting the expansion of smooth cordgrass, *Spartina alterniflora* (Loisel), in Willapa Bay, Washington, using spatial analysis, matrix models, and Geographic Information Systems (GIS) - Blake E. Feist and Charles A. Simenstad (Wetland Ecosystem Team, School of Aquatic and Fishery Sciences, University of Washington) - (2:30 - 3:00)

Restoration of off-channel habitats for Pacific salmon - Patsy Garcia, Sarah Morley, Todd Bennett, and Phil Roni - (2:30 - 3:00)

Stable isotope ratio analysis: A tool for evaluating nutrient status of anadromous fish producing streams - Bill Reichert and Watershed Program - (2:30 - 3:00)

Toxic response and bioaccumulation in a deposit-feeding polychaete - relative life stage and endpoint sensitivity, and the potential for trophic transfer - Casey Rice, Gina Ylitalo (Environmental Technology and Assessment Program, NWFSC), Barb French (Environmental Technology and Assessment Program, NWFSC), and Ed Casillas (Fish Ecology, NWFSC) - (1:55 - 2:20)