

NWFSC Watershed Program Open House
Museum of History and Industry
2700 24th East, Seattle, Washington 98112
October 21, 2003

RSVP Required - NWFSC.Watershed.Program@noaa.gov
<http://www.nwfsc.noaa.gov/research/divisions/ec/wpg/index.cfm>

- 8:30** Welcome - Usha Varanasi, Director, NW Fisheries Science Center
8:40 - 8:55 Watershed Program Overview - Phil Roni, Watershed Program Manager

Natural Processes

- 8:55 - 9:15** Network connections: Implications for salmon conservation - P. Kiffney, C. Greene, and J. Hall
9:15 - 9:35 Potential influences of floodplain ecosystem dynamics on salmon diversity and abundance - A. Senauer, T. Beechie, M. Liermann, S. Morley, and S. Baker
9:35 - 9:55 Nutrient enhancement of Idaho streams: A large scale experiment - B. Sanderson, P. Kiffney, K. Macneale, C. Tran, and H. Coe
9:55 - 10:15 Restoring incised channels and increasing streamflow in semi-arid watersheds - M. Pollock, T. Beechie, and S. Baker
- 10:15 - 10:30** BREAK

Fish-Habitat Relationships

- 10:30 - 10:50** Recovery planning for ocean-type chinook salmon in the Skagit River: Results from a decade of field studies - E. Beamer (Skagit System Cooperative), C. Greene, A. McBride (Skagit System Cooperative), C. Rice, T. Beechie, and K. Larsen (US Geological Survey)
10:50 - 11:10 Effects of stream, estuary, and ocean conditions on chinook salmon return rates in the Skagit River - C. Greene, G. Pess, E. Beamer (Skagit System Cooperative), A. Steel, and D. Jensen
11:10 - 11:30 Spatial and temporal distribution of marked and unmarked juvenile Chinook salmon in nearshore surface waters of Puget Sound: Preliminary Results - C. Rice, C. Greene, E. Beamer (Skagit System Cooperative), K. Fresh (FE Division, NWFSC), D. Lomax (EC Division, NWFSC), R. Henderson (Skagit System Cooperative), R. Reisenbichler (US Geological Survey)
11:30 - 11:50 Prevalences of bacterial kidney disease (BKD) in juvenile chinook salmon from nearshore Puget Sound - F. Sommers, C. Durkin (REUT Division, NWFSC), C. Rice, and L. Rhodes (REUT Division, NWFSC)
11:50 - 12:10 Stable isotope ratios in juvenile salmonids from western Washington streams: Effects of season and adult run size - W. Reichert, R. Bilby (Weyerhaeuser Co.), G. Pess and C. Kraemer (Washington Dept. of Fish and Wildlife)
- 12:10 - 1:20** BREAK

Freshwater Restoration

- 1:20 - 1:40** Predicting ecosystem response to the removal of the Elwha River dams - G. Pess, M. McHenry (Lower Elwha S'Klallam Tribe), T. Beechie, P. Kiffney, H. Coe, M. Heim, K. Kloehn, M. Liermann, T. Bennett, and R. Peters (US Fish and Wildlife Service)
1:40 - 2:00 Evaluating habitat restoration opportunities for Pacific salmon within the Duwamish River - S. Morley, J. Toft (College of Ocean and Fisheries Science, U. Washington), K. Hanson, A. Pratt, and T. Bennett
2:00 - 2:20 Fish and macroinvertebrate responses to boulder weir placement in southwest Oregon streams - T. Bennett, P. Olmstead (Bureau of Land Management), S. Morley, G. Pess, P. Roni, and D. Van Slyke (Bureau of Land Management)
2:20 - 2:40 Monitoring and evaluating restoration at multiple scales - P. Roni, M. Liermann, and A. Steel
- 2:40 - 2:55** Break

Landscape Ecology and Recovery Science

- 2:55 - 3:15 Landscape analyses for recovery science - A. Steel, P. McElhany (CB Division, NWFSC), P. Olson (Pacific Watershed Institute), M. Sheer (CB Division, NWFSC), J. Burke (CB Division, NWFSC), A. Fullerton, D. Jensen, B. Feist, G. Pess, and B. Sanderson
- 3:15 - 3:35 A comparative assessment of barrier distribution and influence on aquatic habitat connectivity in the Willamette and Lower Columbia basins - M. Sheer (CB Division, NWFSC) and A. Steel
- 3:35 - 3:55 A landscape scale analysis of chinook salmon spawning habitat in Puget Sound - B. Sanderson, J. Davies (CB Division, NWFSC), K. Lagueux (CB Division, NWFSC), M. Ruckelshaus (CB Division, NWFSC), and T. Beechie
- 3:55 - 4:15 Environmental correlates of salmon life history diversity: Implications for salmon recovery and climate change - A. Fullerton, T. Beechie, M. Ruckelshaus, E. Buhle (Dept. Biology, U. Washington), and L. Holsinger (US Forest Service)
- 4:15 - 4:35 The influence of non-indigenous smooth cordgrass (*Spartina alterniflora*) on the production base of Pacific Northwest estuaries: Implications for recovery efforts - B. Feist, C. Harvey (FRAM Division, NWFSC), J. Ruesink (Dept. Biology, U. Washington), Alan Trimble (Dept. Biology, U. Washington), Richard Hicks (Cumulative Risk Initiative, NWFSC), and Bill Reichert
- 4:35 - 4:45 Closing Comments and Update on Research Coordination Meeting - Phil Roni**

Posters:

- A better understanding of fish-habitat relationships and models: Quantifying uncertainty - D. Jensen, A. Steel, A. Fullerton, L. Moberand (Moberand Biometrics Inc.), M. Scheuerell (FE Division, NWFSC), and Paul McElhany (CB Division, NWFSC)
- Case study approach to developing watershed-level recovery plans - P. McElhany (CB Division, NWFSC), M. Ruckelshaus (CB Division, NWFSC), A. Steel, B. Sanderson, K. Lagueux (CB Division, NWFSC), M. Sheer (CB Division, NWFSC), M. Scheuerell (FE Division, NWFSC), P. Olson (Pacific Watershed Institute), J. Davies (CB Division, NWFSC), J. Burke (CB Division, NWFSC), J. Moslemi (Cornell University), A. Fullerton, D. Jensen, and J. Westfall (CB Division, NWFSC)
- A comparison of the invertebrate productivity in headwater streams dominated by red alder and old-growth forest - C. Volk (College of Forest Resources, U. Washington), P. Kiffney, and R. Edmonds (College of Forest Resources, U. Washington)
- Effects of riparian buffer width on periphyton and insect grazers in headwater streams of southwestern British Columbia: An experimental approach - P. Kiffney, J. Richardson (Dept. Forest Sciences, U. British Columbia), and J. Bull (Dept. Forest Sciences, U. British Columbia)
- Nitrogen retention in lowland agricultural streams - C. Monohan (Center for Water and Watershed Studies, U. Washington), S. Bolton (Center for Water and Watershed Studies, U. Washington), and P. Kiffney
- Regional variation in erosion regimes and the recovery of Pacific salmon - T. Beechie, M. Pollock, B. Feist, G. Pess, and P. Roni
- Salmon habitat in recovery planning: An ecosystem assessment approach - T. Beechie, C. Campbell, A. Cullen, A. Fullerton, M. Liermann, P. McElhany (CB Division, NWFSC), S. Morley, G. Pess, P. Roni, B. Sanderson, N. Scholz (EC Division, NWFSC) and A. Steel
- Water temperature and flow variability in the Willamette River basin: Using wavelets to assess the effects of dams and land-use - I. Lange (Dept. Economics, U. Washington), A. Steel, and B. Feist