

Evolutionary Changes and Salmon Symposium
December 7, 2006 Seattle

0830 Welcome

0840 *Introduction/background* (Robin Waples, Northwest Fisheries Science Center, Seattle)

0900 *Overview of evolutionary considerations* (Ruth Shaw, University of Minnesota)

Salmon Primer

0930 *Salmon biology/life history* (Tom Quinn, University of Washington)

1000 *Changes to salmon habitats/envirnonments/ecosystems* (Mary Power, University of California Berkeley)

1030 Break

1050 *Changes that directly affect salmon themselves (e.g., harvest & hatcheries)* (Ray Hilborn, University of Washington)

Evolution Primer

1120 *Natural selection* (Steve Arnold, Oregon State University)

1150 *Rates of evolutionary change in nature: what do theory and the empirical record tell us?* (Andrew Hendry, McGill University)

1220 Lunch (on site)

1320 *Phenotypic plasticity: what is it and why is it important?* (Sonia Sultan, Wesleyan University)

1340 *Phenotypic plasticity: what does it mean for salmon?* (Jeff Hutchings, Dalhousie University)

1400 *Responses to selection on complex ("function value") traits* (Joel Kingsolver, University of North Carolina)

1430 *Habitat fragmentation and population structure* (Michael Whitlock, University of British Columbia)

1500 Break

1520 *Evolution under size-selective harvest* (Richard Law, University of York)

Case studies

1550 *Evolution of disease resistance in transplanted chinook salmon* (Maureen Purcell, US Geological Survey, Seattle)

1610 *Response to global warming: A perspective based on Atlantic salmon* (Bill Bradshaw, University of Oregon)

1630 **Poster session** (until 1830)