

SALMON in a CHANGING CLIMATE

Practical management options for an era of environmental change

TUESDAY, 15 NOVEMBER

6:00-8:00 P.M. WELCOME RECEPTION, *HILTON GRAND BALLROOM*

WEDNESDAY, 16 NOVEMBER

7:30-8:30 A.M. REGISTRATION

8:30-9:00 A.M. OPENING

Invocation and insights

Gerald Lewis, Columbia River Inter-Tribal Fisheries Commission Chairman

Welcome and aspirations

Guido Rahr, Wild Salmon Center

Introduction and goals

Rich Lincoln, State of the Salmon and Erica Fleishman, University of California, Davis

9:00-10:00 A.M. KEYNOTE PRESENTATION

Mapping public values to support adaptation to environmental change

Murray Rudd, University of York

10:00-10:30 A.M. COFFEE BREAK

10:30 A.M -12:00 P.M STATE OF THE SCIENCE

Downscaled projections of temperature, precipitation, and flow

Alisa Wade, University of Montana

Ocean acidification

Chris Sabine, National Oceanic and Atmospheric Administration (NOAA)

Ecosystem heterogeneity and managing risk of climate impacts on salmon

Daniel Schindler, University of Washington

12:00-1:30 P.M. LUNCH (provided), *HILTON GRAND BALLROOM II*

1:30-3:00 P.M. TONGASS – SOUTHEAST ALASKA CASE STUDY

Session co-chairs: Eric Volk, Alaska Department of Fish and Game (ADFG) and Jennifer Kane, USDA Forest Service (USFS)

PART I: Setting the Stage

Effects of climate change on Tongass's freshwater ecosystems

Gordie Reeves, USFS

Response of salmon production to marine variables

Ellen Martinson, NOAA

Terrestrial management in the Tongass forest

Sheila Jacobson, USFS

Management of Southeast Alaska's salmon fisheries

Scott Walker, ADFG

3:00-3:30 P.M. BREAK

3:30-5:00 P.M. PART II: Panel and Audience Dialogue

Facilitator: John Sisk, The Nature Conservancy

Possible effects of different climate scenarios on resilience of management, social, and economic systems

Presenters will be joined by Tony Christianson, Hydaburg, Alaska; Leigh Gerber, Trident Seafoods; and Bruce Wallace, United Fishermen of Alaska

5:00-6:30 P.M. BREAK

6:30-8:30 P.M. RECEPTION, PORTLAND ART MUSEUM, 1219 SW PARK AVENUE

THURSDAY, 17 NOVEMBER

8:30-10:00 A.M. SNOHOMISH – WASHINGTON CASE STUDY

Session co-chairs: Kit Rawson, Tulalip Tribes and Sandra Coveny, PC Trask

PART I: Setting the Stage

Conceptual model of salmon recovery in Snohomish Basin

Tim Walls, Snohomish County, Washington

Integrated harvest, hatchery, and habitat management

Janne Kaje, King County, Washington

Projected effects of climate change on salmon recovery strategies

Krista Bartz, NOAA

Innovative approaches to mitigation and adaptation

Abby Hook, Tulalip Tribes

10:00-10:30 A.M. COFFEE BREAK

10:30 A.M -12:00 P.M. PART II: Panel and Audience Dialogue

Implementing climate adaptation strategies

Presenters will be joined by Terry Williams, Tulalip Tribes; Debbie Terwilleger, Snohomish County Public Works; and Dan Evans, Dan Evans Consulting

PART III: Open Discussion

12:00-1:30 P.M. LUNCH (provided), *HILTON GRAND BALLROOM II*

12:00-1:30 P.M. SEMINAR AND TRAINING OPPORTUNITY

Salmon MonitoringAdvisor.org: A free web-based resource for design of monitoring programs

Jeff Rodgers, Oregon Department of Fish and Wildlife and Randall Peterman, Simon Fraser University

Monitoring Methods.org: A free web application to document and discuss monitoring protocols, methods, metrics and indicators, and study designs

Jacquelyn L. Schei, Pacific Northwest Aquatic Monitoring Partnership

1:30-3:00 P.M. OKANAGAN – BRITISH COLUMBIA CASE STUDY

Session co-chairs: Randall Peterman, Simon Fraser University and Kim Hyatt, Fisheries and Oceans Canada (DFO)

Trade-offs to meet the water needs of people and salmon in Okanagan Valley

PART I: Setting the Stage

Current and future water demands

Anna Warwick Sears, Okanagan Basin Water Board

Effects of climate variation and change on Okanagan salmon

Kim Hyatt, DFO

Team approach to water management

Clint Alexander, ESSA Technologies Ltd.

PART II: Panel Discussion

Effects of proactive water management

Presenters will be joined by Brian Symonds, Ministry of Environment, British Columbia and Howie Wright, Okanagan Nation Alliance Fisheries Department

3:00-3:30 P.M. BREAK

3:30-4:30 P.M. CLOSING AND SYNTHESIS