

PROGRAM

2012 Columbia River Estuary Conference: *New Scientific Findings and their Management Implications*

May 15-17, 2012
Liberty Theater, Astoria, OR

May 15, 2012

12:00 pm	Registration
1:00 pm	Welcome <i>Joan Dukes, Chair, Northwest Power Conservation Council</i>
1:10 pm	Prefatory Remarks <i>Taylor Aalvik, Director, Department of Natural Resources, Cowlitz Indian Tribe</i> <i>William Iyall, Tribal Chairman, Cowlitz Indian Tribe (tentative)</i>
1:30 pm	Background to CREC <i>Catherine Corbett, Lower Columbia Estuary Partnership</i>
Session 1: ESA Listed Species Recovery	
Session Moderator: Bernadette Graham Hudson	
1:40 pm	Salmon Life Histories and Habitat Associations in the Columbia River Estuary, 2002 – 2011 <i>Daniel Bottom, David Teel, Antonio Baptista, Lance Campbell, Kurt Fresh, Susan Hinton, Regan McNatt, Curtis Roegner, Charles Simenstad, and Lia Stamatiou</i>
2:00 pm	Life History Strategies of Selected Chinook Salmon Spawning Populations in the Columbia River, as Inferred From Otolith Microchemistry <i>Lance Campbell, Dan Bottom, David Teel, Curtis Roegner, Mara Zimmerman, Dan Rawding, Cameron Sharpe, Bryce Glaser</i>
2:20 pm	Genetic Stock Identification of Juvenile Chinook Salmon in the Columbia River Estuary: Results from Estuary-wide Surveys, 2010 - 2011 <i>David Teel, Daniel Bottom, Susan Hinton, David Kuligowski, George McCabe, Regan McNatt, Curtis Roegner, Charles Simenstad, and Lia Stamatiou</i>
2:40 pm	BREAK

Session 1: ESA Listed Species Recovery (cont.)

Session Moderator: Ben Zelinsky

3:00 pm	Residence Times of Acoustic-Tagged Juvenile Salmonids in Off-Channel, Tidal-Freshwater Areas in the Columbia River <i>G. Johnson, A. Bryson, M. Hennen, J. Hughes, R. Kaufmann, G. Ploskey, N. Sather, and S. Zimmerman</i>
3:20 pm	The Energetic Consequences of Residence in Shallow Tidal Freshwater Habitats for Juvenile Chinook Salmon <i>Adam Storch, Erick Van Dyke, and Nichole Sather</i>
3:40 pm	Chum salmon recovery strategy in Oregon tributaries to the lower Columbia River <i>*Kris Homel</i>
4:00 pm	Beaver in tidal marshes: Dam effects on low-tide channel pools and fish use of estuarine habitat <i>W. Gregory Hood</i>
4:20 pm	Question and Answer Period
5:00 pm	Poster Session in the McTavish Room
7:00 pm	Evening Social at Wet Dog Cafe

May 16, 2012

8:30 am	Prefatory Remarks <i>Roberta Basch, Clatsop Nehalem Tribal Representative</i>
Session 2: Lessons from ecological restoration projects	
Session Moderator: Gary Johnson	
8:50 am	Using a Comprehensive Landscape Approach for More Effective Conservation and Restoration in the Columbia Basin <i>Robert J. Naiman, Courtland Smith and Members of the Independent Scientific Advisory Board of the Northwest Power and Conservation Council</i>
9:10 am	Estuary Restoration and Research: Perspectives of the Expert Regional Technical Group <i>Kirk Krueger, Dan Bottom, Greg Hood, Kim Jones, and Ron Thom</i>
9:30 am	Overview of the Habitat Restoration Prioritization Strategy for the lower Columbia River <i>Catherine Corbett, Keith Marcoe, Chaeli Judd, Ron Thom, Gary Johnson, Antonio Baptista, Nate Hyde, Bernadette Graham Hudson, Tom Murtagh and Jim Brick</i>
9:50 am	Landscape Planning Framework for Restoration and Protection of Juvenile Salmon Habitat using the Columbia River Estuary Ecosystem Classification (funded by Bonneville Power Administration) <i>Charles A. Simenstad, Mary Ramirez, Allan Whiting, Phil Trask, Haley Dillon, Sandra Coveny</i>
10:10 am	BREAK
Session 2: Lessons from ecological restoration projects (cont.)	
Session Moderator: Micah Russell	
10:30 am	Wetland Reference Sites in the Lower Columbia River and Estuary: Status, Trends, and Applications <i>Amy B. Borde, Heida L. Diefenderfer, Valerie I. Cullinan, Ronald M. Thom, Shon A. Zimmerman, Ronald M. Kaufmann, Jina Sagar, and Catherine Corbett</i>
10:50 am	Application of the Diminishing Returns Concept in Ecosystem Restoration on the Lower Columbia River Floodplain <i>Heida L. Diefenderfer, Gary E. Johnson, John R. Skalski, Stephen A. Breithaupt, André M. Coleman</i>

11:10 am	Scenario Modeling to Evaluate Restoration Actions in the lower Columbia River and Estuary <i>Paul Kolp, Keith Marcoe, Matt Van Ess, Samuel Giese</i>
11:30 am	Ecology of Newly Restoring Floodplain and Tidal Wetlands in the Lower Columbia River and Estuary (LCRE) <i>Ronald Thom, Heida Diefenderfer, Amy Borde, Curtis Roegner, Gary Johnson</i>
11:50 am	Question and Answer Period
12:00 pm	LUNCH (on your own)
Session 2: Lessons from ecological restoration projects (cont.)	
Session Moderator: <i>Patty O'Toole</i>	
1:00 pm	The Germany Creek Restoration: Protecting Habitat and Infrastructure through New Technologies <i>Jenna Scholz, Chad Krofta and Ian Sinks</i>
1:20 pm	Application of Effectiveness Monitoring to Habitat Restoration Projects in the Columbia River Estuary <i>Matt Van Ess and April Silva</i>
1:40 pm	Tracking change in agricultural land conditions and water quality through focused outreach, technical assistance, and land condition monitoring <i>Sheila Marcoe, Cheryl Hummon, and Stephanie Page</i>
2:00 pm	Predicting and Monitoring the Effects of a Habitat Restoration Project on Metapopulation Viability of Two Species of Listed Freshwater Snails in a Tributary of the Columbia River <i>David C. Richards and Tristan Arrington</i>
2:20 pm	Question and Answer Period
2:30 pm	BREAK
Session 3: New understanding of the lower Columbia River ecosystem	
Session Moderator: <i>Curtis Roegner</i>	
3:00 pm	Synthesis of Multi-Year Coordinated Habitat, Fish and Fish Prey in Tidal Wetlands in the lower Columbia River <i>J.P. Sagar, L. L. Johnson, K. Macneale, A. Borde, P. P. Olson, S. Sol, C. A. Corbett, J. Morace, W. Temple and J. Mason</i>

3:20 pm	Habitat Quality, Toxics, and Salmon in the Lower Columbia Estuary: Multi-Year Coordinated Fish and Fish Prey Collection under the Ecosystem Monitoring Program <i>Lyndal Johnson</i> , Paul Chittaro, Dan Lomax, Kate Macneale, O. Paul Olson, Sean Sol, David Teel, Gina Ylitalo, Jina Sagar and Catherine Corbett
3:40 pm	Monitoring spatial and temporal changes in fluvial phytoplankton in the lower Columbia River to better understand variability in river and estuarine food webs <i>Tawnya D. Peterson</i> , Michelle A. Maier, Joseph A. Needoba, Jina Sagar, and Catherine Corbett
4:00 pm	Toxics Reduction in the Columbia River Basin – What can we learn from WWTP effluent and stormwater runoff? <i>Jennifer Morace</i>
4:20 pm	Results of the Lower Columbia River Pile Dike Study (September 2011) sponsored by the Portland District Corps of Engineers <i>Carl Kassebaum P.E.</i> and Hans Moritz P.E
4:40 pm	Design Guidelines for the Enhancement and Creation of Estuarine Habitats in the Middle Reaches of the Lower Columbia River Haley Dillon, Blaine Ebberts, Jeremy Lowe, John Plump, Sharon Schulz, Cindy Studebaker, Phil Trask, Louis White, <i>Allan Whiting</i> , Phil Williams
5:00 pm	Question and Answer Period
5:30 – 7:30 pm	Poster Session in the McTavish Room

May 17, 2012

8:30 am	Prefatory Remarks <i>Michael Karnosh and Eirik Thorsgard, Grand Ronde Tribal Representatives</i>
Session 4: Innovative, new methods for understanding and predicting changes to the lower Columbia River ecosystem	
Session Moderator: Cindy Studebaker	
8:50 am	Columbia River Estuary Ecosystem Classification: Concept and Application Charles A. Simenstad, <i>Jim E. O'Connor</i> , Jennifer L. Burke, Charles Cannon, Keith Marcoe, Danelle W. Heatwole, Mary F. Ramirez, Ian R. Waite, Timothy D. Counihan, and Krista L. Jones
9:10 am	The SATURN collaboratory for the Columbia River coastal margin: capabilities and applications <i>António Baptista</i> and Joseph Needoba
9:30 am	SATURN Data Explorer: a powerful and expandable tool for exploration of Columbia River data <i>Charles Seaton</i> , António M. Baptista and Alex Jaramillo
9:50 am	Understanding Oxygen Depletion in the Columbia River Estuary through Data-Supported Numerical Modeling <i>Pat Welle</i> , António M. Baptista, Yvette Spitz, Jesse E. Lopez, G. Curtis Roegner, Joseph A. Needoba, Tawnya D. Peterson, Charles Seaton
10:10 am	Dynamically Coupled Food-web and Hydrodynamic Modeling with ADH-CASM for Sessile Benthic Invertebrates: A Case Study from the Chesapeake Bay <i>Todd M. Swannack</i> , Candice D. Piercy and Patrick S. O'Brien
10:30 am	BREAK
Session 4: Innovative, new methods for understanding and predicting changes to the lower Columbia River ecosystem (cont.)	
Session Moderator: Jennifer Morace	
10:50 am	An Examination of Long-Term Upwelling Transition Dates on the Oregon/Washington Coast <i>Keith Leffler</i> and David A. Jay
11:10 am	Resiliency of Estuaries in Washington and Oregon to Sea Level Rise: Case Studies from the Lower-Columbia River, Willapa Bay, and Skagit Delta <i>Curt Mykut</i> , Mark Petrie, and Tom Dwyer

11:30 am	Question and Answer Period
11:40 am	Rapporteur Synthesis <i>Bernadette Graham Hudson, Lower Columbia Fish Recovery Board</i>
12:00 pm	Closing Remarks <i>Catherine Corbett, Lower Columbia Estuary Partnership</i>
12:15 pm	Adjourn