

THE OREGON WATER CONFERENCE 2011 PROGRAM

Tuesday, May 24, 2011			
7:30 – 8:15 AM	Conference Registration and Continental Breakfast		
8:15 – 8:30 AM	Welcome, Announcements and Introduction – Michael E. Campana		
8:30 – 9:15 AM	Plenary Speaker: Dr. Philip Mote – Oregon Climate Change Research Institute "Envisioning Future Northwest Climate and Water Availability"		
Morning Sessions	Groundwater Session <u>Marshall Gannett – Chair</u> (11 Speakers)	Climate Change Session <u>Heejun Chang – Chair</u> (8 Speakers)	Stream Restoration Session Ivars Steinblums – Chair (5 Speakers)
9:30 – 10:00 AM	Alison Aldous (TNC) – How Much Groundwater Does a Wetland Need? Setting Ecological Water Requirements for Groundwater- Dependent Ecosystems	David Curtis (WEST Consultants) – Climate Change: Natural Variability is a Big Deal Too!	Brian Chaffin (OSU) – Characterizing Collaboration in the Klamath River Basin: An Exercise in Institutional Mapping
10:00 – 10:30	Trish Carroll (USFS) – Managing Ecological Water Requirements for Groundwater- Dependent Wetlands on National Forests: A View from the Bottom Up and the Top Down	Shahrbanou Madadgar (PSU) – Assessment of Climate Change Impacts on Drought Return Periods Using Copula Functions	Wendy McDermott (CWU) – The Life Cycle of Dams: An Analysis of Policy Change on the Rogue River, Oregon
10:30 – 11:00	Suzanna Moellendorf (GSI, Inc.) – A Collaborative Effort to Evaluate Water Resources in Lower Siuslaw Watershed	II-Won Jung (PSU) – Climate Change Impact on Drought Risk and Uncertainty in the Willamette River Basin	Matthew Cox (OSU) — Linkage Between Geomorphic and Biological Responses of a River to Dam Removal: A Case Study from the Chiloquin Dam on the Sprague River, Oregon
11:00 – 11:15	Break	Break	Break
11:15 – 11:45	Jonathan La Marche (OWRD) – Hydrologic Monitoring and Trends in the Upper Klamath Basin over the Last Decade	M. Scott Waibel (PSU) – Assessment of Hydrologic Response to Climate Change in the Upper Deschutes River Basin, Central Oregon	Todd Reeve (BEF) – Water Restoration Certificates:™ Building a Bridge Between Urban Water Users and Flow Restoration Needs in the Rural West
11:45 – 12:15 PM	Tim Mayer (USFWS) – Assessing Streamflow Response to Climate Change: Why Geology Matters	John Risley (USGS) – Hydrologic Response to Climate Change in the Sprague River Basin, Oregon	Mark Buckley (ECONorthwest) – Economic Implications of Climate Change on Ecosystem Restoration Projects with a Beaver Case Study
12:15 – 1:30 PM	Luncheon	Luncheon	Luncheon
Afternoon Sessions	Groundwater Session <u>Marshall Gannett – Chair</u> (Continued)	Climate Change Session <u>Heejun Chang – Chair</u> (Continued)	<u>Panel Session 1</u> Oregon’s Integrated Water Resources Strategy

1:30 – 2:00 PM	Gordon Grant (USFS-PNW Research Station) —What Will Oregon’s Future Streamflow Regimes Look Like? Integrating Snowpack and Groundwater Dynamics	Cheryl Brown (EPA) -- Effects of Climate Change on Water Quality in the Yaquina Estuary, Oregon	Brenda Bateman (Senior Policy Coordinator- Oregon Water Resources Department) Moderator and Panelist Bruce McIntosh (Fish Division Deputy Administrator, Inland Fisheries-Oregon Department of Fish and Wildlife)
2:00 – 2:30	Mohammed Safeeq (OSU) -- Sensitivity of Oregon's Watersheds to Streamflow Changes due to Climate Warming: A Geohydrological Approach	Michael E. Campana (OSU) – Climate Change and Oregon's Water Future	Stephanie Paige (Renewable Energy Specialist-Oregon Department of Agriculture)
2:30 – 3:00	Evan Miles (OSU) --GIS and Wells: An Examination of Groundwater in Benton County by Georeferencing Well Logs	Heejun Chang (PSU) -- Climate Change and Shifts in Water-Related Ecosystem Services in the Tualatin and Yamhill River Basins	Eugene Foster (Manager, Water Management Section- Oregon Department of Environmental Quality)
3:00 – 3:30	Break	Break	Break
Afternoon Sessions	Groundwater Session Marshall Gannett – Chair (Continued)	Hydrologic Monitoring Session Jolyne Lea—Chair	Panel Sessions, Cont’d. Panel Session 2 People, Beavers, Wolves, and Water: New Approaches to Restoring Complexity, Function and Water Storage Capability to Degraded Stream/Riparian Corridors on Public and Private Lands
3:30 – 4:00 PM	Michael Cummings (PSU) Groundwater Storage and Flow in an Unconfined Pumice Aquifer, Antelope Unit, Chemult Ranger District, Winema-Fremont National Forest, Oregon	Rich Marvin (OWRD) Tracking Oregon's Water Resources: An Overview of Available Data and a Pitch for a United Network	Suzanne Fouty (Hydrologist) --Moderator and Panelist
4:00 – 4:30	Kenneth Lite (OWRD) -- Surface Water Interaction with "Confined" Columbia River Basalt Aquifers-Impacts to Streams from Declining Groundwater Levels Near Mosier, Oregon	Daniel Dammann (BLM) -- Wolf Creek Monitoring	Robert Beschta (Professor Emeritus-OSU) Rick Demmer (Wildlife Biologist-Bureau of Land Management, Prineville District)

4:30 – 5:00	Marshall Gannett (USGS) — Coupled Simulation and Optimization Models for Managing Groundwater in the Upper Klamath Basin, Oregon and California	Jonathon LaMarche (OWRD) --Oregon Stream Gaging Network Evaluation-Meeting OWRD's Current and Future Data Needs	Leonard Houston (Beaver Advocacy Committee)
5:00 – 6:30	Poster Session with Reception and No-Host Bar		

Wednesday, May 25, 2011

7:30 – 8:00 AM	Continental Breakfast		
Morning Sessions	Water Quality Session <u>Rudd Turner-Chair</u> (12 Speakers)	Water Management Session <u>Michael E. Campana- Chair</u> (12 Speakers)	Panel Sessions, cont'd. <u>Panel Session 3</u> Integrating Climate Adaptation Planning and Watershed Assessments to Improve Community-Engaged Watershed Management: A Case Study from the Klamath Basin, Oregon
8:00 – 8:30	Jennifer Morace (USGS) -- Reconnaissance Investigation of Emerging Contaminants in Wastewater Treatment Plant Effluent and Stormwater Runoff in the Columbia River Basin	Julie Watson (OSU) --A River Won: Tapping into Stakeholder Values and Identifying Points of Leverage for Holistic Shared Management of the Columbia River	Ethan Rosenthal (David Evans and Associates, Inc.)— Co-moderator Stacy Vynne (Climate Leadership Initiative)— Co-moderator
8:30 – 9:00	Kristel Fesler (City of Hillsboro) --A Greenhouse Gas Inventory of a Conventional Water Treatment Plant	Aaron Wolf (OSU) and Dena Marshall (Marshall Mediation) -- Water Conflict Management and Transformation in the Pacific Northwest and the World - 1	Ken Bierly (Deputy Director- Oregon Watershed Enhancement Board) Terry Fisk (Hydrologist-U.S. Fish and Wildlife Service, Klamath Falls office)
9:00 – 9:30	Jason Keller (GeoSystems Analysis) -- The Orange County Water District Riverbed Filtration Pilot Project: Solids and Organic Carbon Removal Using Induced Riverbed Infiltration	Aaron Wolf (OSU) and Dena Marshall (Marshall Mediation) -- Water Conflict Management and Transformation in the Pacific Northwest and the World - 2	Greg Addington (Director- Klamath Water Users Association) Nathan Jackson (Director- Klamath Watershed Partnership)
9:30 – 10:00	Break	Break	Break
Morning Sessions	Water Quality Session <u>Rudd Turner-Chair</u> (Continued)	Water Management Session <u>Michael E. Campana- Chair</u> (Continued)	Panel Sessions, Cont'd. <u>Panel Session 4</u> Transboundary River Governance – The Columbia River Treaty 2014/2024 Review

10:00 – 10:30 AM	Madeline Steele (PSU) -- Spatial and Temporal Patterns in the Influence of Land Use on Water Quality in Five Portland Area Creeks Representing Differing Levels of Urbanization	Monica Hubbard and Erika Wolters (OSU) - -Development of an Integrated Water Resources Strategy: Assessing the Public's Values, Knowledge, Perception of Risk, and Acceptability of Management Strategies	John Shurts (General Counsel-Northwest Power and Conservation Council)—Moderator and Panelist John Hyde (Technical Lead, Columbia River Treaty Review-Bonneville Power Administration)
10:30 – 11:00	Baek Soo Lee (OSU) --Water Quality Data Synthesis in the Metolius River Basin, Oregon	Teresa Huntsinger (OEC) -- Developing an Agricultural Water Efficiency Strategy to Help Meet Oregon's Water Needs	Matt Rea (Program Manager, Columbia River Treaty-U.S. Army Corps of Engineers)
11:00 – 11:30	Harmony Paulsen (OSU) -- Managing for Ecosystem Services Through Governance Networks: An Analysis of Oregon Senate Bill 513	Mark Anderson (CH2M Hill) --Building a Legacy: Integrated Water Resources Management in Damascus, Oregon	Paul Lumley (Executive Director-Columbia River Inter-Tribal Fish Commission)
11:30 – 12:00	Renée Brooks (EPA) -- Seasonal and Elevational Variation of Surface Water $\delta_{18}O$ and δ_2H in the Willamette River Basin	Adam Stebbins (Benton County) -- Willamette Basin Water Futures: County Partnerships with Scientists' Cutting-Edge Models	Kindy Gosal (Director, Water and Environment-Columbia Basin Trust)
12:00 – 1:30 PM	Luncheon	Luncheon	Luncheon
12:45 – 1:30 PM	Matt Jones--Allen County (IN) Partnership for Water Quality, will show <i>A Watershed Mentality</i>, a PBS documentary film.		
Afternoon Sessions	Water Quality Session <u>Rudd Turner-Chair</u> (Continued)	Water Management Session <u>Michael E. Campana- Chair</u> (Continued)	Hydrologic Modeling Session <u>Jolyne Lea- Chair</u> (5 Speakers)
1:30 – 2:00 PM	James Coyle (ODEQ) -- -Toxic Pollutants Measured in Surface Water and Fish Collected from the Willamette River Basin by the Oregon Department of Environmental Quality (2008 - 2010)	Arturo León (OSU) --A Novel Physically-Based Framework for the Intelligent Control of River Flooding	Daniel Wise (USGS) -- Relating Surface Water Nutrients in the Pacific Northwest to Watershed Attributes Using the USGS SPARROW Model
2:00 – 2:30	Elena Nilsen (USGS) -- Emerging and Legacy Contaminants in POCIS, SPMDs, and the Largescale Sucker (<i>Catostomus macrocheilus</i>) in the Lower Columbia River-USGS ConHab Project	Karl Morgenstern (EWEB) - -Source Water Protection in a Climate of Change: Perspectives from a Publicly-Owned Utility	Eset Alemu (WEST Consultants) --A Decision Support System for Optimizing Reservoir Operations Using Ensemble Streamflow Forecasts

2:30 – 3:00	Valerie Kelly (USGS)-- Integrated Water Quality Assessment Using Conventional, Passive Sampling, and Metabolic Assay Techniques: Approaching System-Level Understanding of Risk	Jamison Cavallaro (Willamette Falls Watershed Assoc.)-- Growth Management-Oriented Water Conservation and Reuse in Oregon: Operationalizing Integrated Watershed and Water Resources Management	Shali Bogavelli (WEST Consultants)-- Flood Forecast Modeling of the Willamette Basin using HEC-CWMS and HEC-ResSim
3:00 – 3:15	Break	Break	Break
3:15 – 3:45	Michelle Jordan (OSU)-- Influence of Hydraulics and Streamflow Regime on the Habitat of <i>Manayunki speciosa</i> , the Definitive Host of the Salmonid Parasite <i>Ceratomyxa shasta</i>	Jesse J. Richardson, Jr. (Water Systems Council/Virginia Tech)-- Exempt Wells in the Courts, Agencies and Legislatures	Eric Sproles (OSU)— Characterizing Rain/Snow Partitioning in Mountain Watersheds for Present-Day and Future Projected Climates
3:45 – 4:15	Ricardo González-Pinzón (OSU)-- Quantitative Relationship Between Resazurin and Respiration in Stream Ecosystems	Brian Watson (Tetra Tech)-- Assimilative Capacity Modeling in Support of the Georgia Comprehensive State-Wide Water Management Plan	Rick Shimota (WEST Consultants)-- Continuous Hydrologic Simulation of the Johnson Creek Basin
4:15 PM	Closing Remarks and Adjourn	Closing Remarks and Adjourn	Closing Remarks and Adjourn