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** **Marshall Gannett – Chair** (11 Speakers)	**Climate Change Session** **Heejun Chang – Chair** (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** **Marshall Gannett – Chair** (Continued)	**Climate Change Session** **Heejun Chang – Chair** (Continued)	**Panel Session 1** 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 $\delta_{2}H$ 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 *A Watershed Mentality* , a PBS documentary film.**		
Afternoon Sessions	**Water Quality Session** **Rudd Turner-Chair** (Continued)	**Water Management Session** **Michael E. Campana- Chair** (Continued)	**Hydrologic Modeling Session** **Jolyne Lea- Chair** (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 (*Catostomus macrocheilus*) 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 *Manayunki speciosa* , the Definitive Host of the Salmonid Parasite *Ceratomyxa shasta*	**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**