Concurrent Technical Sessions
Thursday, February 4, 2010
1:00 PM to 4:50PM

			Red Lion Hotel						Rogue Community College/Southern Oregon University Higher Education Center (HEC)				
Room			**Cascade**	**Jackson**	**Douglas Fir**	**Crater Lake**	**Rogue River**	**Siskiyou**	**Room 127**	**Room 129**	**Room 311**	**Room 321**	**Presentation Hall**
Session			**Restoration: Principles, Practices, and Case Studies 1**	**Water Quality Monitoring and Modeling**	**Toxic Algae in the Klamath Basin 1**	**Anadromous & Resident Fish 1**	**Fish Health and Disease 1**	**Environmental Influences on Endangered Sucker Ecology 1**	**Riparian Dependent Species 1**	**Environmental Assessment and Monitoring 1**	**Trinity River**	**Physical Hydrology and Climate**	**Ecohydrology**
Talk #													
Session Moderators			**Walt Duffy**	**Dan Turner**	**Susan Corum**	**George Kautsky**	**Jim Winton**	**Lyman Thorsteinson**	**John Alexander**	**Linda Pendergast**	**Rod Wittler**	**Jonathan LaMarche**	**Ken Fetcho**
1	**1:00**	**1:20**	Habitat Enhancement in the Upper Klamath Basin - Completed Projects and Future Opportunities	Water Management and Water Quality Monitoring at BLM Wood River Wetlands 2007-2009	Algae: The Forgotten Half of the Klamath River Phytoplankton	Fall Chinook Salmon Escapemen and Run Characteristics for the Mainstream Klamath River, 2001 - 2008	Mercury Contamination in Lampreys of the Lower Klamath Basin	Lack of Recruitment to Spawning Sucker Populations and Timing of Juvenile Sucker Mortality in Upper Klamath Lake, Oregon	Oregon Spotted Frogs (*Rana pretiosa*) in the Klamath Basin: Status, Threats, and Local Restoration	Vegetation and Fluvial Geomorphology of the Riparian Greenline in the Sprague River Basin	Hatchery Impacts on the Genetic Structure of Native Stocks in the Klamath Trinity Basin	Simulation of Regional Groundwater Flow to Inform Resource Management in the Upper Klamath Basin, Oregon and California	Klamath River Stream Temperature Modeling and Use of Thermal Refugia by Salmonids
			Troy Brandt	Andy Hamilton	Richard Raymond	Steve Gough	Jamie Bettaso	Summer Burdick	Christopher Pearl	Michael Hughes	Andrew Kinsiger	Marshall Gannett	Eric Danner
2	**1:20**	**1:40**	The Past, Present, and Future of the Williamson River Delta: Big Changes in the Upper Basin	Modeling Hydrodynamics, Temperature, and Water Quality in Klamath River, from Link River Dam to Keno Dam, Oregon	Genetic Analysis of the Population Turnover in the 2007 Copco Reservoir Microcystis Bloom that Resulted in Predominantly Non-toxigenic Variants Late in the Season	Klamath Basin Lampreys: Critical Uncertainties for Restoration and Management.	Ceratomyxosis and *Parvicapula minibicornis* Infection of Klamath River Juvenile Salmon	Ecological Strategies Utilized by Cyanobacteria	Comparative Ecology of the Western Pond Turtle (*Actinemys marmorata*) on Two Forks of the Trinity River, Trinity County, California	Long-term Ecological Effects of Debris Flows and Debris Floods on Tributary Streams in the Klamath Mountains	Using Integrated Hatchery Practices to Improve Genetic Fitness of Naturally - and Hatchery Producted Coho Salmon in the Trinity River, California	Use of a Simulation-optimization Model to Evaluate Alternative Groundwater Management Strategies for the Upper Klamath Basin, Oregon and California	Application of Hydrological and Ecological Models to Access Effects of Changing Climate and Adaptation Strategies on Pastures and Water Resources in the Wood River Basin
			Mark Stern	Annett Sullivan	Theo Dreher	Damon Goodman	Scott Foott	Barry Rosen	Don Ashton	Matthew Cover	Seth Naman	Brian Wagner	Yutaka Hagimoto
3	**1:40**	**2:00**	Monitoring Fishery Effects of Salmonid Habitat Restoration	Multi-year Nutrient Budget Dynamics for Iron Gate and Copco Reservoirs, California	Nutrient Limitation of Phytoplankton and *Microcystis* Blooms in Copco and Iron Gate Reservoirs	Population Genetics of Klamath Basin *Oncorhynchus mykiss*	Effects of *Ceratomyxa shasta* Infections on Klamath River Salmon: What do we Know and Where do we go Next?	Seasonal and Spatial Dynamics of Cyanobacteria and Associated Water Quality Variables in Upper Klamath Lake, Oregon	Thermoregulatory Behavior and Growth Characteristics of Western Pond Turtles (*Actinemys marmorata*) on Regulated and Unregulated Forks of the Trinity River	Applications of Environmental Monitoring in the Scott Valley	Legacy Effects of Trinity River Gold Mining	Streamflow Response to Climate in the Klamath Basin Region	Protecting Groundwater-dependent Ecosystems in the Klamath Basin
			Cindy Thomson	Eli Asarian	Pia Moisander	Devon Pearse	Jerri Bartholowmew	Sara Eldridge	Jamie Bettaso	Erich Yokel	Andreas Krause	Tim Mayer	Leslie Bach
4	**2:00**	**2:20**	Restoration Prior to Dam Removal: The Key to a Low-impact Dam Removal Strategy?	Scott River Water Balance Model (Understanding Water Quality and Quantity)	Microcystin Analyses in the Klamath River by ELISA	Status of Coho Salmon in the Scott and Shasta River Watersheds	*Ceratomyxa shasta* Infection in Sentinel Fish Exposed in the Klamath River, 2007-2009	Cyanobacterial Toxins Found in Upper Klamath Lake, Oregon: Implications for Endangered Fish	Freshwater Mussel Abundance, Distribution, and Habitat Preference in Two Northern California Rivers Within Karuk Ancestral Territory	Feasibility Assessment of Constructed Treatment Wetlands in the Vicinity of the Klamath Hydroelectric Project	A New Model for Introducing Environmental Challenges into the Public School Curriculum: Learning and Applying Core Science to Save Salmon	Watershed Scale Response to Climate Change: Sprague River Basin, Oregon	How Much Water does a Wetland Need? Developing Environmental Water Requirements for Groundwater-dependent Ecosystems in the Upper Klamath Basin
			Eric Ginney	Danielle Yoke	Andrew Lincoff	Morgan Knechtle	Richard Holt	Kathy Echols	Aaron David	Ken Carlson	Judith Jensen	John Risley	Allison Aldous
5	**2:20**	**2:40**	Adaptive Management: Lessons from the Everglades, Coastal Louisiana and Missouri River Programs	Method Development to Modeling the Shading Provided to the Klamath River and its Tributaries by Vegetation and Geomorphology	Evaluation and Comparison of Five Commercial Microcystin Enzyme-Linked Immunosorbent Assays to Liquid Chromatography Tandem Mass Spectrometry	The Potential for Integrating Fish Tagging Studies Throughout the Klamath River Basin	Evaluation of *Certaomyxa shasta* and *Parviscapula minibicornis* in Adult Returning Chinook Salmon Throughout the Klamath River Basin	Algal Toxins in Upper Klamath Lake, Oregon: Histopathology of Age-0 Lost River and Shortnose Suckers in 2007 and 2008.		Using Spatial Techniques to Aid Ecological Inventory and Monitoring at Regional Scales	Adaptive Environmental Assessment and Management in the TRRP: Progress, Challenges and Opportunities	Bathymetric Mapping with Airborne LiDAR in the Klamath-Trinity Basin	
			Chuck Padera	William Forney	Keith Loftin	Eric Janney	Ryan Slezak	Christopher Ottinger		Lorin Groshong	David Marmorek	David Gaeuman	
Break	**2:40**	**3:10**											
Session			**Restoration: Principles, Practices, and Case Studies 2**	**Integrated Modeling**	**Toxic Algae in the Klamath Basin 2**	**Anadromous & Resident Fish 2**	**Fish Health and Disease 2**	**Environmental Influences on Endangered Sucker Ecology 2**	**Riparian Dependent Species 2**	**Environmental Assessment and Monitoring 2**			**Dams, Sedimet and Fish**
Talk #													
Session Moderators			**Robert Franklin** **Tracy Fuentes**	**John Hamilton**	**Susan Corum**	**Nick Hetrick**	**Jim Winton**	**William McFarland**	**Heather Ray**	**Kris Fischer**			**Michael Hughes**
1	**3:10**	**3:30**	A 45-Year Retrospective on Restoration Construction Projects on the Trinity River, California	Overview of SALMOD, a Fish Production Model, in the Secretarial Decision	Cyanotoxins in Waters of the Klamath Basin: Historical Perspective and Current Risks	Chinook and Coho Salmon Outmigrant Trapping in the Mainstem Klamath River	Modeling the *Ceratomyxa shasta* Cycle in the Klamath River System	Skin Bacterial Flora of Age-0 Lost River and Shortnose Suckers in 2008: Nature Conservancy Delta Restoration Project and Upper Klamath Lake	Ecology and Conservation of Western Pond Turtles in the Klamath Basin: What are the Challenges Ahead?	Where in Upper Klamath Lake are the Largest Concentrations of Phosphorus, Organic Carbon and Metals Found in Bottom Sediment?			Effects of Dams on the Klamath: Historical Changes, Distinct Sediment Impacts by Reach, and Implications for Restoring Native Fish
			Andreas Krause	Sharon Campbell	Wayne Carmichael	Steve Gough	Adam Ray	Christopher Ottinger	Bruce Bury	Nancy Simon			Matt Kondolf
2	**3:30**	**3:50**	Restoration Implications of the Holocene History of the Sycan River, Upper Klamath Basin, Oregon	Conceptual Design and Approach for Modeling Fall-run Chinook Production Post Dam Removal	Preliminary Assessment of Cyanotoxins in the United States	Juvenile Coho Salmon Use of Off Channel Habitats in the Lower Klamath River	Ceratomyxa Shasta In The Williamson River: Implications For Salmonid Reintroduction And Management In The Upper Klamath Basin	Direct and Indirect Consumption of Cyanobacteria by Juvenile Suckers in Klamath Lake, Oregon	Breeding Distribution and Phenology of the Foothill Yellow-legged Frog (*Rana boylii*) in Regulated and Unregulated Tributaries of the Trinity River Basin	Building a Foundation for Coordinated Water Quality Monitoring in the Klamath River Basin			Sediment Transport Dynamics in Dam-influenced Reaches of the Klamath River: Lessons from 10 Years of Study
			Pollyanna Lind	Noble Hendrix	Keith Loftin	Dave Hillemeier	Charlene Hurst	Barry Rosen	Jamie Bettaso	Chantell Royer			Mark Tompkins
3	**3:50**	**4:10**	Valley and Stream Habitat Restoration in the Lower Klamath Sub-basin.	Evaluating Economic Effects on Fisheries Associated with Klamath Dam Removal	Multi-year Trends in *Microcystis aeruginosa* and Associated Microcystin Toxin in the Klamath River System: Implications for Public Health Guidelines.	Juvenile Coho Life History Tactics Utilizing the Mid-Klamath River Corridor with Linkages Between Inland and Coastal Riverine Habitats	Effects of Elevated Water Temperature on Early Life Stage Development and Survival of Spring-run Chinook Salmon in the Klamath-Trinity Basin	Within-year and Among-year Distributions of Benthic Invertebrates in Upper Klamath Lake and the Newly Restored Delta Wetlands	What are the Challenges for Amphibians and Reptiles in the Klamath River Watershed: Biogeographic Barriers, Endemism, and Conservation Status	Benthic Sources of Dissolved Nutrients and Trace Metals in Upper Klamath Lake and Associated Wetlands after Designed Levy Breaches			Effects of Sediment Release Following Dam Removal on the Aquatic Biota of the Klamath River: Application of Results from a Fine Sediment Transport Model.
			Rocco Fiori	Cindy Thomson	Jacob Kann	Toz Soto	Keith Marine	James Carter	Bruce Bury	James Kuwabara			Ethan Bell
4	**4:10**	**4:30**	Building on the Baseline Assessment: First Year Restoration Discoveries on Big Springs Creek	Effects of Flow Augmentation and Meteorological Conditions on Coho Salmon Production in the Klamath River Basin	Microcystis Blooms in the San Francisco Estuary: Monitoring their Toxicity and Potential Adverse Impacts to Fish Health	Factors Affecting Coho Smolt Survival in the Lower Klamath River	Monitoring the Salmon Parasite *Ceratomyxa shasta* in the Klamath River Through Water Sample Analysis	Larval Lost River Sucker *Deltistes luxatus* and Shortnose Sucker *Chasmistes brevirostris* Response to Wetland Restoration at the Williamson River Delta, Upper Klamath Lake, Oregon		Well Designed Performance Measures are Essential for Planning, Operation and Validation of Landscape Scale Restoration Programs			DREAM-1 and Its Application to Klamath River Dam Removal Sediment Transport Simulation
			Ann Willis	Ian Courter	Swee Teh	John Beemar	Jerri Bartholomew	Heather Hendrixson		Jed Redwine			Yantao Cui
5	**4:30**	**4:50**	Update and Design Approach on Urban Stream Restoration Projects Along Yreka and Greenhorn Creeks in the Shasta River Watershed of the Klamath Basin	Bioenergetics of Juvenile Chinook and Coho Salmon at Klamath River Tributary Mouths	Microcystin Bioaccumulation in Klamath River Fish and Freshwater Mussel Tissue: Implications for Public Health	Monitoring Adult Spawning Populations of Lost River and Shortnose Suckers to Support Recovery Planning	Effects of Myxozoa Disease on Population Dynamics of Klamath Fall Chinook Salmon	Migrational Movements and Distribution of Spawning Klamath Largescale, Lost River, and Shortnose Suckers in the Sprague River Before and After the Removal of Chiloquin Dam		Seasonal Water Quality Patterns Downstream of a Hypereutrophic Lake: Summary of 2007 - 2009 Multi-probe Monitoring in the Lake Ewauna Reach of the Klamath River			Evaluating Model Accuracy: Predicted and Observed Sediment Dynamics Following the Chiloquin Dam Removal
			Tom Hesseldenz	Walt Duffy	Jacob Kann	David Hewitt	Masami Fujiwara	Craig Ellsworth		Jessica Asbill			Desiree Tullos