



Wetlands and Global Climate Change

September 16-18, 2008

Field Trips on September 15th & 18th
Workshops on September 19th

Doubletree Hotel & Executive Meeting Center
Portland-Lloyd Center, Portland, Oregon

AGENDA

Recommendations for a National Wetlands and Climate Change Initiative

PowerPoint's (yellow shaded box)

Organized by: Association of State Wetland Managers, Inc.

Hosts: Pacific Northwest Chapter of the Society of Wetland Scientists
Oregon Department of State Lands

Sponsors:

- U.S. Environmental Protection Agency: Headquarters, Regions 8, 9 and 10
- U.S. Fish and Wildlife Service
- Federal Highway Administration
- Bureau of Land Management
- SWCA Environmental Consultants
- HDR Engineering, Inc.
- Port of Portland
- ESA Adolphson
- National Wildlife Federation
- Northwest Ecological Services
- Aqua-Terr Systems, Inc.

Cooperating Parties:

- U.S. Army Corps of Engineers
- City of Eugene Parks and Open Space Division
- Climate Impacts Group at University of Washington
- Coos Watershed Association
- Duke University Wetland Center, Nicholas School of the Environment
- Sierra Club
- The Nature Conservancy

Monday, September 15, 2008 ~ Field Trips

Full Day Departing at 9am	#1 Columbia River Estuary Restoration Tour
Full Day Departing at 9am	#2 Columbia River Gorge National Scenic Area Super Tour
Full Day Departing at 9am	#3 Tyee Winery and Wetlands
Half Day Departing at 9am	#4 Gotter Prairie on the Tualatin River
Half Day Departing at 9am	#5 Tualatin River National Wildlife Refuge
Half Day Departing at 9am	#6 Port of Portland Mitigation Tour

AGENDA

Monday, September 15, 2008

7:00 pm	ASWM Membership Meeting
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7:00 pm-12:00 Midnight	Exhibit Setup Holladay/Broadway/Weidler Rooms
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Tuesday, September 16, 2008

8:00-10:00	Plenary Sessions
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8:00-8:20	Welcome <i>Robert Liberty, Metro Councilor</i>
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8:20 - 9:20	Global Warming and Its Impacts in the Pacific Northwest <i>Bill Bradbury, Oregon Secretary of State</i>
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9:20 - 10:00	Alaska's Rapidly Changing Climate and Wetlands of the North <i>Glen Juday, University of Alaska at Fairbanks</i>
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10:00-10:30	Break
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10:30-12:30	Plenary Sessions
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10:30 - 11:10	Carbon Sequestration and Peatlands—Challenges and Opportunities <i>Curtis Richardson, Duke University</i>
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11:10 - 11:50	Wetlands and Global Climate Change: The Role of Wetland Restoration in a Changing World <i>Kevin Erwin, Kevin L. Erwin Consulting Ecologist, Inc.</i>
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11:50 - 12:30	Forging New Partnerships—Opportunities to Leverage Natural Hazards Planning to Adapt to Climate Change <i>Larry Larson, Executive Director, Association of State Floodplain Managers</i>
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12:30-1:30	Lunch ~ Discussion Tables
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12:30-1:30	PNW SWS Board Lunch Meeting
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Concurrent Sessions 1:30-3:00	1:30-2:00	2:00-2:30	2:30-3:00
Carbon Sequestration & Wetland Assessment I	Mitigating Global Climate Change: Which Kinds of Wetlands Help, Hurt, Have Minimal Effect? <i>Paul Adamus, Oregon State University</i>	Factors Influencing Carbon Storage Rates in Re-Established Wetlands in the Sacramento-San Joaquin Delta, California <i>Robin Miller, U.S. Geological Survey</i>	Managing Wetlands to Sequester Carbon <u>Natasha DeVoe, Minnesota Board of Water and Soil Resources</u>

Tuesday Continued, September 16, 2008

	1:30-2:00	2:00-2:30	2:30-3:00
Wetland Studies and Strategies	Wetland Loss in Coastal Areas: Bucking the National "Net Gain" Trend <i>Susan Marie Stedman, NOAA, National Marine Fisheries Service</i>	Wasted Resources: How Iowa Could Help Louisiana's Wetlands <i>Tonja L. Koob, Gaea Consultants, LLC and Nina Reins University of New Orleans</i>	Economics of Wetlands as a Conservation Tool in the Tinkers Creek Watershed <i>Mike McNutt, Tinkers Creek Watershed Partners</i>
	1:30-3:00		
Wetland Research Priorities for Climate Change: A Facilitated Discussion	Panel Discussion <i>Kevin Erwin, Kevin L. Erwin Consulting Ecologist, Inc. and Allison Aldous, The Nature Conservancy-Oregon will lead a discussion on wetland research priorities.</i>		
	1:30-2:00	2:00-2:30	2:30-3:00
Climate Change I Federal Programs	Wetlands and Climate Change: Facing Policy and Management Implications <i>Kathleen Kutschenreuter, Rachel Fertik, and Dave Evans, U.S. Environmental Protection Agency</i>	A National Perspective on Climate Change Legislation and Estuaries <i>Angela Gustavson, Restore America's Estuaries</i>	Why the Corps' Permitting Process Must Assess Climate Change Through The Public Interest Review <i>Kim Diana Connolly, University of South Carolina School of Law</i>
	1:30-2:00	2:00-2:30	2:30-3:00
Economics/Market Based Incentives	Does Encouraging the Use of Wetlands in Water Quality Trading Programs Make Economic Sense? <i>Jorge H. Garcia, U.S. Environmental Protection Agency/ORD</i>	Ecosystem Markets - Leveraging in Action <i>Joe Whitworth, Oregon Trout</i>	Ecosystem Markets - Taking the Lead, Reaping the Benefits <i>Kevin Halsey, Parametrix, Inc.</i>
3:00-3:30	Break		
Concurrent Sessions 3:30-5:00	3:30-4:00	4:00-4:30	4:30-5:00
Carbon Sequestration & Wetland Assessment II	Assessing Changes of Soil Carbon Pools in Forested Wetlands <i>C.C. Trettin, U.S. Forest Service</i>	Variability in Carbon Storage of Alpine Wetland Soils, Niwot Ridge, Front Range, Colorado, USA <i>Susan Garland, Portland State University</i>	Technical, Regulatory, and Economic Feasibility of Wetlands as a Greenhouse Gas Mitigation Strategy <i>Randal Dell, Ducks Unlimited, Inc.</i>
	3:30-4:00	4:00-4:30	4:30-5:00
Coastal Wetland Monitoring	Site-Scale Monitoring for Tidal Wetland Restoration and Conservation <i>Laura Brophy, Green Point Consulting and College of Oceanic and Atmospheric Sciences, Oregon State University</i>	Monitoring Coastal Change - NOAA's Coastal Change Analysis Program (C-CAP) <i>Nate Herold, NOAA Coastal Services Center</i>	Wetland Habitat Change as a Result of Relative Sea-Level Rise, South-Central Texas Coast <i>Thomas A. Tremblay, University of Texas</i>

Tuesday Continued, September 16, 2008

	3:30-4:00	4:00-4:30	4:30-5:00
Wetlands, Floodplains & Natural Hazards	Comparisons Between a Proposed Natural Floodway and the FEMA Regulatory Floodway <i>Kevin G. Coulton, Watershed Concepts</i>	Coastal Protection in Louisiana <u><i>Nina Reins and Alison Sleath, University of New Orleans</i></u>	Floodplain Wetland Enhancement to Mitigate Natural Hazard Impacts of Climate Change Clean Water Services, Watershed Management Department <u><i>Kendra Smith, Clean Water Services</i></u>
Climate Change II Public Policy	Coordinating Partnerships to Address Sea Level Rise and Wetlands Restoration on a Local and Regional Scale <u><i>Frederic A. Reid, San Francisco Bay Joint Venture</i></u>	Synopsis of Global Warming and Wetlands Presentation <u><i>Jim Murphy, National Wildlife Federation</i></u>	The Role of Wetlands Conservation in Climate Change Mitigation <i>Pat Parenteau, Vermont Law School</i>
Wetland Mitigation I Innovation	Calculating Stream Mitigation Credit for Wooded Buffers of Varying Widths in North Carolina <u><i>John Dorney, North Carolina Division of Water Quality</i></u>	Wetland Mitigation: Is Our No-Net-Loss Policy Part of the Problem? <u><i>Thomas Hruby, Washington State Department of Ecology</i></u>	Satisfying New Wetland Mitigation Banking Rule-How to Find a Land Trust Partner "Working with Land Trusts and Easement 101" <u><i>Esther Lev, The Wetlands Conservancy</i></u>
5:00-7:00	Reception Pool/Entertainment by the Rose City Hot Club, Featuring Acoustic Swing Music		
All Day	Exhibits in Holladay/Broadway/Weidler Rooms		
12:00 noon-5:00	Poster Session– Oregon Room		
5:00 pm-12:00 Midnight	Poster Session – Oregon Room		

Wednesday, September 17, 2008

Concurrent Sessions 8:30-10:00	8:30-9:00	9:00-9:30	9:30-10:00
Wetland Assessment I Site Based	20 Years of Assessing Functions: How Far Have We Come and Where Are We Going? <u><i>Thomas Hruby, Washington State Department of Ecology</i></u>	Habitat Assessment Guidelines for Wetland Habitat Protection <u><i>Karen Schneller-McDonald, Hickory Creek Consulting, LLC</i></u>	Using Intensive Sampling Wetland Data to Evaluate the Agreement of Two Rapid Wetland Assessment Method for Headwater Wetlands in North Carolina <u><i>Breda Munoz, RTI International</i></u>

Wednesday Continued, September 17, 2008

	8:30-9:00	9:00-9:30	9:30-10:00
Modeling Climate Change & Sea Level Rise I	<p>Planning for Sea-Level Rise on the National Wildlife Refuge System With the Sea Level Affecting Marshes Model <i>Brian Czech, U.S. Fish and Wildlife Service, National Wildlife Refuge System</i></p>	<p>SLAMM-View: A Tool for Visualizing SLAMM Simulation Results <u><i>Jeff Ehman, Image Matters, LLC and Bill Wilen, U.S. Fish and Wildlife Service</i></u></p>	<p>Modeling the Impacts of Sea-Level Rise on Coastal Habitats: Case Studies for the Pacific Northwest and the Chesapeake Bay Region <u><i>Patricia Glick, National Wildlife Federation</i></u></p>
Climate Change Adaptation: Conservation Strategies I	<p>Developing the Practice, Science and Field of Adaptation for Wetlands and Beyond: Getting a There There <i>Lara Hansen, EcoAdapt</i></p>	<p>A Framework for Building Climate Change Into Freshwater Conservation <i>Allison Aldous, The Nature Conservancy-Oregon</i></p>	<p>The Potential Role of Hydrologic Models in Wetland Managements in Anticipation of Climate Change <i>Yutaka Hagimoto, Oregon State University</i></p>
Climate Change III Local Programs	<p>Regulating a Moving Target: Protecting Wetlands as the Climate Changes <u><i>Laura Casey and Pesh Klein, King County Department of Development and Environmental Services</i></u></p>	<p>Training Community Leaders to Speak to Their Peers About Climate Change and Its Impacts to Wetlands <u><i>Juanita Constible, National Wildlife Federation</i></u></p>	<p>Participatory Action of Grassroots Communities in Addressing Wetlands and Climate Change <i>Kristina Peterson, University of New Orleans and Rosina Philippe, American Wetlands-AmeriCorp</i></p>
Wetland Mitigation II Design	<p>Mitigation Compliance in New England <u><i>Ruth M. Ladd, New England District Corps of Engineers</i></u></p>	<p>Big Picture Mitigation Design: Using Watershed Analysis and Landscape Ecology for Mitigation Success <u><i>Ken Sargent, Headwaters Environmental Consultant, Inc.</i></u></p>	<p>Regionalized Water Budget Manual for Compensatory Wetland Mitigation Sites in New Jersey <u><i>Jill Aspinwall, New Jersey Department of Environmental Protection</i></u></p>
10:00-10:30	Break		
Concurrent Sessions 10:30-12:00 noon	10:30-11:00	11:00-11:30	11:30-12:00 noon
Assessment II Landscape	<p>Wetland Functional Assessment and Local Watershed Planning: Two Examples From North Carolina <u><i>John Dorney, North Carolina Division of Water Quality</i></u></p>	<p>Using GIS for Landscape Level Functional Wetland Assessment Supports a Small Northern Michigan Community's Planning and Public Education About Their Wetland Resources <u><i>Jill Wiese Martin, Wilcox Professional Services, LLC</i></u></p>	<p>Assessment of Cumulative Impacts Utilizing National Wetlands Inventory (NWI) Data for Functional Assessment: California's Ventura River Watershed and Delaware's Nanticoke River Watershed <u><i>William Kirchner, U.S. Fish and Wildlife Service</i></u></p>

Wednesday Continued, September 17, 2008

	10:30-11:00	11:00-11:30	11:30-12:00 noon
Modeling Climate Change & Sea Level Rise II	Projected Effects of Sea-Level Rise on Bayou Sauvage National Wildlife Refuge: An Application of the Sea Level Affecting Marshes Model <i>Delissa Padilla Nieves, U.S. Fish and Wildlife Service, National Wildlife Refuge System</i>	Sea Level Rise and Intertidal Eelgrass Productivity in Padilla Bay, Washington: A Field and Modeling Study <u>John Rybczyk, Western Washington University</u>	Sea-level Rise and Coastal Wetlands of South-Eastern Australia <u>Neil Saintilan, Department of Environment and Climate Change</u>
Climate Change Adaptation: Conservation Strategies II	Hydrologic Considerations in Climate Adaptation Strategies <i>Bart Wickel, World Wildlife Fund</i>	Climate Adaptation in the Chihuahuan Desert <u>Mark Briggs, World Wildlife Fund</u>	Vulnerability, Feedbacks, and Adaptations of Peatlands to Climate Change <i>Scott Bridgham, University of Oregon</i>
	10:30-12:00 noon		
Integrating Transportation Options, Green Building and Green Infrastructure to Address Climate Change in Portland, Oregon	Panel Discussion Panelists: <i>(Panel Abstract)</i> <ul style="list-style-type: none"> • <i>Susan Anderson, Portland Office of Sustainable Development</i> • <u>Mary Wahl, Portland Bureau of Environmental Services</u> • <u>Zari Santner, Portland Parks and Recreation</u> 		
	10:30-11:00	11:00-11:30	11:30-12:00 noon
Wetland Soils and Hydrology	Soil Carbon and Organic Matter in Mitigation Bank Wetlands Created in the Piedmont Region of Virginia <i>Changwoo Ahn, George Mason University</i>	Global Climate Change and Ephemeral Pools of Northern Forests <u>Robert Brooks, USDA Forest Service</u>	Predicting Climate Change Impacts to Precipitation Dependent Wetland Hydrology <u>David Gorman, ICF Jones & Stokes</u>
12:00 noon-1:30	Lunch ~ Discussion Tables and Pacific Northwest Chapter Meeting		
Concurrent Sessions 1:30-3:00	1:30-2:00	2:00-2:30	2:30-3:00
Assessment III Health & Biotic Integrity	Status and Trends of Great Lakes Coastal Wetland Health: A Basinwide Monitoring Plan <i>John Schneider, U.S. Environmental Protection Agency, Great Lakes National Program Office</i>	Developing an Invertebrate Index of Biological Integrity for Pacific Northwest Wetlands <u>Celeste A. Mazzacano, The Xerces Society for Invertebrate Conservation</u>	Delineating Wetlands on Agricultural Land: A Case Study in the Mid-Willamette Valley <u>Jay Lorenz, CH2MHILL</u>

Wednesday Continued, September 17, 2008

	1:30-2:00	2:00-2:30	2:30-3:00
Restoration, Climate Change & Sea Level Rise III	Restoring Coastal Wetlands in a Changing Climate <i>Donald R. Cahoon, U.S. Geological Survey, Patuxent Wildlife Research Center</i>	Impacts of Sea Level Rise on the San Dieguito Wetlands Restoration Project in Del Mar, California <i>M. Hany S. Elwany, Scripps Institution of Oceanography</i>	Overview: Wetlands and Climate Change; Adjusting to an Uncertain Climate <u>Jon Kusler, Association of State Wetland Managers, Inc.</u>
Climate Change Adaptation: Conservation Strategies III	Coastal Wetland Adaptation: Conservation and Measuring Success in the Face of an Uncertain Future <u>Roger Fuller, The Nature Conservancy</u>	Alaskan Wetlands and Climate Change: A Summary of Research, Mitigation and Adaptation <u>Jim Powell, Alaska Department of Environmental Conservation</u>	Creating Outreach and Communication Strategies for Adaptation Projects: A Case Study of the WWF Allianz Southeast Climate Witness Program <i>Kate L. Graves, World Wildlife Fund</i>
Targeted Approaches to Wetland Restoration	Controlling Phragmites in Great Lakes Wetlands: Development of a Public Outreach Program <u>Tracy Collin, Michigan Department of Environmental Quality</u>	A Review of Oregon's Statewide Planning Goal 16: Estuarine Resources <i>Anna Pakenham and Jenna Borberg, Oregon State University</i>	Development of an Indicator-Based Method for Evaluating the Duration of Streamflow in Oregon <u>Tracie-Lynn Nadeau, U.S. Environmental Protection Agency</u>
CWA & Wetland Jurisdiction	Take Me to the River: Significant Nexus and the Ninth Circuit in the Post-Rapanos World <u>Jack Kerns, San Francisco District, U.S. Army Corps of Engineers</u>	Navigating the Clean Water Act After Rapanos: Implementation Experiences With the Interagency Guidance <u>Donna Downing, U.S. Environmental Protection Agency, Wetlands Division</u>	The Corps and its Customers in the Permitting Process: Examining the Data <u>Mark E. Tompkins, University of South Carolina and Kim Diana Connolly, University of South Carolina School of Law</u>
3:00-3:30	Break		
Concurrent Sessions 3:30-5:00	3:30-5:00		
Identifying Threshold Changes	Panel Discussion Open Brainstorming Discussion on Identifying Environmental Thresholds for Use in Assessing Cumulative Impacts to Wetlands (<i>Panel Abstract</i>)		
Planning for Climate Change & Sea Level Rise IV	Coastal Wetlands and Sea Level Rise: A Remote Sensing Perspective <u>Victor Klemas, University of Delaware</u>	Wetlands Protection in the Face of Sea Level Rise: Developing a Local Land Use Tool Kit <u>William A. "Skip" Stiles, Jr., Wetlands Watch</u>	Planning and Policy Implications of Sea Level Rise in Oregon Estuaries <u>Robert J. Bailey, Oregon Department of Land Conservation and Development</u>

Wednesday Continued, September 17, 2008

	3:30-4:00	4:00-4:30	4:30-5:00
Climate Change Adaptation: Conservation Strategies IV	<i>Rising Waters: Taking Climate Change Adaptation from Talk to Action</i> <u>David VanLuven, The Nature Conservancy- Eastern New York Chapter</u>	<i>Panel Discussion</i> Adapting Conservation Strategies to Climate Change	Emerging Trends in Wetland Climate Adaptation: Tromping Through the Global Muck <u>John Matthews, World Wildlife Fund</u>
Climate Change and Forested Wetlands	Greenhouse Gas Emissions from Peat and Wetland Fires in the Tropics <i>Clark Row, Row Associates and Susan Asam, ICF International</i>	Potential Effects of Climate Change on Forested Wetlands in the Lower Mississippi Valley <i>Stephen Faulkner, U.S. Geological Survey, National Wetlands Research Center</i>	Mangrove Forests Loss and Climate Change--A Global Perspective <u>Alfredo Quarto, Mangrove Action Project</u>
Integrated Strategies for Wetland Management	Oregon Wetland Explorer: Information Portal for Wetland Conservation and Management <u>John A. Christy, Oregon State University</u>	Developing a State Wetland Conservation Strategy <u>Lynda Saul, Montana Department of Environmental Quality</u>	The Coastal Impact Assistance Program: A Challenge to Do the Right Thing <u>Bob Martinson, Minerals Management Service</u>
8:00 am-3:30 pm	Exhibits in Holladay/Broadway/Weidler Rooms		
5:15 pm -5:45 pm	Hydric Soils Section - Planning Meeting		
6:00 pm to 10:00 pm	PNW-SWS Sponsored Social ♦ Kell's Irish Pub		

Thursday, September 18, 2008

Concurrent Sessions 8:30-10:00	8:30-9:00	9:00-9:30	9:30-10:00
Monitoring Urban Wetlands	Quantifying Environmental and Economic Benefits of Forested Wetlands Within Urban Areas <u>Karen M. Wise, Davey Resource Group</u>	Management and Protection of the Small Urban Wetland Known as 'MALLIN DEL KM. 12' Bariloche, Patagonia, Argentina <u>Grace de Haro, Nahuel Huapi National Parks</u>	Urban Sprawl is a Threat to Wetlands: A Case Study Using Geo- IT Approach <i>M. Sultan Bhat, University of Kashmir</i>
Wetlands and Biodiversity	Mechanisms behind the successful invasion of Bullfrogs (<i>Rana catesbeiana</i>) in the Northwest United States <i>Rebecca Hill, Oregon State University</i>	Regeneration of Biodiversity Through Wetlands Restoration <u>Terry Doss, Biohabitats, Inc.</u>	Detection and Mapping of Rare and Sensitive Wetlands: Development of Rapid Field Identification Methods and GIS Models <u>Jane Awl, Tennessee Valley Authority</u>

Thursday Continued, September 18, 2008

	8:30-9:00	9:00-9:30	9:30-10:00
Controlling Invasive Species	Invasive Seed Banks in Alluvial Floodplains and the Eradication of Perennial Pepperweed (<i>Lepidium latifolium</i>) at the Cosumnes River Preserve <u>Rachel Hutchinson, University of California, Davis</u>	Accelerating Vegetation Change in the Kenai Peninsula Lowlands, South-Central Alaska: Woody Invasion of Herbaceous Wetlands <u>Kacy McDonnell, USKH, Inc.</u>	Reestablishing a Riverine Wetland: Using Integrated Pest Management to Control Reed Canarygrass and Reference Wetlands Design Criteria to Restore Structure, Functions, and Habitat Forming Processes <u>Mason B. Bowles, King County Department of Natural Resources and Parks</u>
Climate Change and Seasonal Wetlands	Sierra Nevada Mountain Meadows and a Warming Planet: Implications for Future Rehabilitation <i>Joshua H. Viers, Center for Watershed Sciences, University of California</i>	Climate Change and Its Potential Effect on Vernal Pool Ecosystems <u>Niall McCarten, University of California, Davis</u>	Predicting and Managing Climate Change Impacts on Freshwater Wetlands in Semi-Arid Australia <i>Neil Saintilan, NSW Department of Environment and Climate Change</i>
What's Next for Clean Water Act Jurisdiction?	Panel Discussion Panelists; (Panel Abstract) <u>Jon Kusler, Association of State Wetland Managers, Inc.</u> <i>Jim Murphy, National Wildlife Federation</i> <i>Jan Goldman-Carter, National Wildlife Federation</i>		
10:00-10:30	Break		
Concurrent Sessions 10:30-12:00 noon	10:30-11:00	11:00-11:30	11:30-12:00 noon
Local Wetland Strategies	Preserving Saline Wetlands on the Urban Fringe <i>Jeff Greenwald, Olsson Associates</i>	Strategies to Improve Critical Areas Compliance <u>Betsy MacWhinney, King County DDES</u>	Effective Watershed and Wetland Protection: Development of Local Laws <u>Karen Schneller-McDonald, Hickory Creek Consulting, LLC</u>
Integrating Mapping GIS & Remote Sensing	10:30-11:00	11:00-11:30	11:30-12:00 noon
	Climate Change and the National Wetlands Inventory: Moving from Data Producer to Data Steward? <u>JoAnn Mills, U.S. Fish and Wildlife Service</u>	Panel Discussion FGDC Wetland Mapping Standard Implementation <i>Panelists:</i> <i>Tom Dahl, U.S. Fish and Wildlife Service</i> <i>Larry Handley, U.S. Geological Survey</i> <i>Marti McGuire, NOAA</i> <i>Bill Wilen, U.S. Fish and Wildlife Service</i>	The NFIP and Climate Change. Is Flood Risk Misrepresented by Static Maps? <u>Bob Freitag, University of Washington</u>

Thursday Continued, September 18, 2008

	10:30-11:00	11:00-11:30	11:30-12:00 noon
Place Based Wetland Restoration	Reshaping the Detroit River Shoreline: Lessons Learned from Freshwater Wetland Restoration in Southeast Michigan <i>Mary E. Bohling, Michigan Sea Grant</i>	Numerical Modeling of a Floating Marsh System <i>Tate McAlpin, U.S. Army Corps of Engineers</i>	Wetland Re-Establishment Changes Gaseous Carbon Fluxes in the Sacramento-San Joaquin Delta, California <i>Robin Miller, U.S. Geological Survey</i>
Climate Change Around the World	Changes in Climate and Sea Level Relevant to the Wetlands of the Pacific Northwest <i>Philip Mote, CSES Climate Impacts Group</i>	Assessment of Climate Change Impacts on the Elmley Marshes, UK Using the MIKE SHE / MIKE 11 Modeling System <i>Julian R. Thompson, University College London</i>	Hydrological Modeling of Climate Change Impacts on Loktak Lake, India <i>Chabungbam R. Singh, University College London</i>
1:30-4:30	Oregon Habitat Joint Venture Meeting		
2:00-3:30	Oregon Wetland Delineator Certification Meeting		

Thursday, September 18, 2008 ~ Field Trips Continued

Half Day Departing at 1 pm	#7 Bicycle Tour of Portland and Oaks Bottom
Half Day Departing at 1 pm	#8 Green City Tour
Departing at 1:00 pm	#9 Ross Island Kayaking Tour

Friday, September 19, 2008 ~ Workshops

8:00am-12:00 noon	<p>#1 <u>Delineation Supplement Training</u></p> <p>The U.S. Army Corps of Engineers has released two Regional Supplements to the 1987 wetland delineation manual for implementation in the West – the Arid West Supplement and the Mountains, Valleys and Coast Supplement. This workshop will cover the format and use of the supplements, the new procedures, the new field indicators and difficult wetland situations. Instructors will also provide hints from the interagency field testing and experience to date.</p>
8:00 am-12:00 noon	<p>#2 <u>What to Plant...What Not to Plant</u></p> <p>Wetland mitigation design in the PNW has long been an exercise in planting the most popular 25 woody plants irrespective of the location, landscape, or hydrologic regime. This workshop will show the attendee how to evaluate the target site and an appropriate reference site and select from over 150 common native plants (including grasses, sedges, rushes, and herbs) for a more appropriate vegetation community. We will discuss many common unsuitable choices as well as what not to plant in certain habitats.</p>

Friday, September 19, 2008 ~ Workshops Continued

1:00 pm-4:00 pm

#3 Jurisdictional Determinations

In the aftermath of the 2006 Rapanos-Carabell decision, procedures used to determine and document the extent of "waters of the united states" continue to evolve. In this workshop, Corps and EPA policy specialists will discuss relevant regulations, case law, and illustrative examples, with emphasis on concepts such as "adjacency," "traditional navigable waters," and the "significant nexus" test. The conversation will also address the jurisdictional determination process, as well as opportunities for making it quicker and more efficient.