

U.S. EPA Region 8 Western Wetland Monitoring and Assessment Training Workshop

**April 29, 30 & May 1, 2008
Rushmore Plaza Holiday Inn
Rapid City, South Dakota**

Purpose

The goal of this workshop is to assist states and tribes in developing new programs or enhancing existing programs for monitoring and assessing wetlands in the Northern Great Plains and Rocky Mountain regions. Together, we can help build the technical and decision-making capacity of state and tribal programs by sharing information about wetland monitoring and assessment methods, study designs, and implementation approaches currently in use in the region and in other parts of the United States. This year's workshop will also highlight wetland delineation, protection, and restoration.

Program Schedule

Tuesday, April 29, 2008

1:30 pm Welcome and Review of Agenda

Mike Ell, North Dakota Department of Health, Division of Water Quality, Bismarck, ND
Jill Minter, US EPA Region 8, Wetlands Program, Denver, CO
Brian Caruso, US EPA Region 8, Wetlands and Watersheds Unit Chief, Denver, CO

1:45 pm State and Tribal Reports Facilitator – Jill Minter

Regional Roundtable - Each State or Tribal wetland monitoring and assessment program representative will address three questions: 1) What is your program's objective? 2) What is the place, the focus area, where you are working to achieve your objective? 3) What monitoring and assessment tools are you using?

- Colorado – Joanna Lemly, Colorado Natural Heritage Program
- Montana – Linda Vance, Montana Natural Heritage Program
- North Dakota – Mike Ell, North Dakota Department of Health
- South Dakota – Paul Lorenzen, South Dakota Department of Environment and Natural Resources
- Utah – Theron Miller, Utah Department of Environmental Quality
- Wyoming – Chad Rieger, Wyoming Department of Environmental Quality
- Confederated Salish and Kootenai Tribes, Flathead Reservation – Sue Ball, Wetlands Program
- Fort Peck Assiniboine and Sioux Reservation – Sandra White Eagle, Office of Environmental Protection
- Blackfeet Tribe - Mary Clare Weatherwax, Blackfeet Environmental Office

3:15 pm Break

3:30 pm EPA National and Regional Perspectives and Updates

Region 8 Update and Wetland Monitoring and Assessment Strategies

Jill Minter, US EPA Region 8, Wetlands Program, Denver, CO

The 2011 National Survey of Wetland Condition and Opportunities for Intensification

Richard Sumner, US EPA Headquarters, Wetlands Division Regional Liaison, Corvallis, OR

Final Mitigation Rule and Monitoring

Chris Hunter, US EPA Headquarters, Wetlands Division, Washington, DC

4:30 pm Setting and Prioritizing Goals and Objectives for Wetland Programs

Jill Minter, EPA Region 8, Wetlands Program, Denver, CO
Linda Vance, Montana Natural Heritage Program, Helena, MT

5:00 pm Adjourn

6:00 pm Poster Session and Social Hour

Wednesday, April 30, 2008

8:00 am **THEME 1: WETLAND ASSESSMENTS** Moderator - Sandra White Eagle

Developing Tools for a Comprehensive Assessment of Wetlands and Riparian Areas in California
Josh Collins, San Francisco Estuary Institute, San Francisco, CA

Wetland Monitoring and Assessment at the South End of the Prairie Pothole Region – Techniques, Design, and Things Learned
Vince Evelsizer, Iowa Department of Natural Resources, Iowa City, IA

Great Salt Lake Wetlands Nutrient Criteria Development: Approach and Progress to Date
Theron Miller, Utah DEQ, Division of Water, Salt Lake City, UT

10:00 am **Break**

10:30 am **THEME 1: WETLAND ASSESSMENTS** Moderator – Heather Duchscherer

Level 1 Wetland Assessment in North Dakota’s Prairie Pothole Region
Rebecca L. Phillips, USDA Agricultural Research Service, Mandan, ND,
Ofer Beerli, University of North Dakota, School of Aerospace Sciences, Grand Forks, ND

Wetland Monitoring and Assessment Techniques
Mike Davis, Dan Ackerman, Nicole Kunkel, Sheri Lares, North Dakota Department of Transportation, Bismarck, ND

Functional Assessment of Colorado’s Wetlands: The Benefits and Application of Stressor-based Techniques in Wetland Evaluation
Brad Johnson, Colorado State University, Department of Biology, Fort Collins, CO

Three Tiered Wetland Assessment using a Probabilistic Design
Edward Shawn DeKeyser, Christina Hargiss, Donald R. Kirby, North Dakota State University, Dept. of Animal and Range Sciences, Fargo, ND, Michael J. Ell, North Dakota Department of Health, Bismarck, ND

Assessment of Wetland Condition in the Missouri Coteau of North Dakota
Christina Hargiss, Edward Shawn DeKeyser, Donald R. Kirby, North Dakota State University, Dept. of Animal and Range Sciences, Fargo, ND, Michael J. Ell, North Dakota Department of Health Bismarck, ND

12:30 pm **Lunch (on your own)**

2:00 pm **SPECIAL SESSION: INTERMITTENT STREAMS** Moderator – Rich Sumner

Selection and Validation of Intermittent Stream Reference Sites for Eastern South Dakota: Evaluation of GIS-Generated Watershed Condition Scores against Field Validation Data
Nels H. Troelstrup, Jr., Eric Rasmussen, Ross Vander Vorste, Sol Brich, South Dakota State University, Department of Biology & Microbiology, Brookings, SD

3:00 pm **Break**

3:30 pm **THEME 2: WETLAND PROTECTION AND DELINEATION** Moderator – Paul Lorenzen

Are Field-Implementation Processes Pursuant to the Corps of Engineers’ Wetlands Delineation Manual Meeting the Manual’s Intent?
David Huebert, Michael McKernan, TetrES Consultants Inc., Winnipeg, CAN

Clean Water Act Section 404 Jurisdictional Determinations
Chris Hunter, US EPA Headquarters, Wetlands Division, Washington, DC and Toney Ott, US EPA Region 8, Wetlands Program, Denver, CO

Developing a State Wetland Conservation Strategy

Lynda Saul, Montana Department of Environmental Quality, Helena, MT

Identification and Analysis of Geographically Isolated Wetlands in Montana

Linda Vance, Montana Natural Heritage Program, Helena, MT

Formation of the Flathead Reservation Aquatic Weed Working Group - a Cooperative Approach to Addressing Aquatic Invasive Species Issues

Sue Ball, Wetland Conservation Program, Pablo, MT

The Blackfeet Tribe's Wetland Assessment Methods

Mary Clare Weatherwax, Blackfeet Environmental Office, Browning, MT

5:30 pm Adjourn

Thursday, May 1, 2008

8:30 am THEME 3: WETLAND FUNCTIONS AND RESTORATION Moderator – Chad Rieger

A Quantitative System for Linking Wetland Functions to New National Wetlands Inventory Mapping with Hydrogeomorphic Attributes in Montana

Linda Vance, Greg Kudray, Montana Natural Heritage Program, Helena, MT

Evaluation of the Ability of a Linear Fen/Bog Wetland Complex at Colomac Mine, Northwest Territories, Canada to Accommodate Treated Mine Effluent

Dave B. Huebert, Michael McKernan, TetrES Consultants Inc., Winnipeg, CAN

Manning Lake Wetlands Tribal Wildlife Refuge Project

Jeanne Spaur, Fort Peck Assiniboine and Sioux Tribes, Fish and Game Department, Poplar, MT

9:30 am Break

10:00 am Natural Wetland Restoration by Beaver (*Castor canadensis*)

Carol A. Johnston, South Dakota State University, Department of Biology & Microbiology, Brookings, SD, Marla Striped Face-Collins, Sitting Bull College, Ft. Yates, ND and United Tribes Technical College, Bismarck, ND

Community Composition of Restored Prairie and Wetlands in the Prairie Pothole Region

Breanna Paradeis, Edward Shawn DeKeyser, Don Kirby, North Dakota State University, Department of Animal and Range Sciences, Fargo, ND

10:45 am Wrap-up, scheduling of workgroup next steps, grant writing tips

Jill Minter, US EPA Region 8, Wetlands Program, Denver, CO

12:00 noon Adjourn

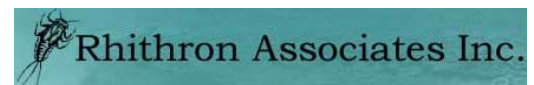
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