



# 100 Years of Watershed Events

November 14-15, 2012  
Quest Conference Center  
Columbus, Ohio



# WMAO 2012 Fall Conference

## "100 Years of Watershed Events"

November 14 and 15, 2012



### Wednesday, November 14

#### Columbus Room – 2nd Floor

- 7:30-8:00 a.m. Registration
- 8:00-9:40 a.m. **Welcome**  
Peter Soltys and Jeff Patzke, WMAO
- Keynote Address**  
Remembering and Forgetting "Our National Calamity": Legacy from the Great Easter 1913 Flood  
Trudy E. Bell
- 9:40-10:00 a.m. Break

#### Capitol Room – 1st Floor

- 10:00-11:30 a.m. **WATER AND COMMERCE**
- Lake Erie and the Ohio Charter Sport Fishing Industry  
Joe Lucente, OSU Extension/Ohio Sea Grant
  - Economics of Source Water Protection  
Kyle Bohland, ORWA
  - Understanding the Big Picture  
Thomas G. Gentile, Jefferson County Water and Sewer District

#### Polaris Room – 1st Floor

- DEVELOPMENT AND WATER MANAGEMENT**
- The Ever Changing World of Storm Water: Low Impact Development  
Jarret Goddard, Contech
  - Green Infrastructure Portfolio Standard  
Katie Rousseau, American Rivers
  - Linking Land Use and Ohio's Waters: Ohio's Balanced Growth Program Best Local Land Use Practices and New Resources, 2012  
Kirby Date, CSU Community Planning Program

#### 11:30 a.m.-1:00 p.m. Awards Luncheon

#### 1:00-2:30 p.m. GROUND WATER

- Redox Processes in Ohio Ground Water  
Michael Slattery, Ohio EPA-DDAGW
- Identifying Ohio PWS Wells That Are Sensitive to Pathogen Contamination  
Chris Kenah, Ohio EPA-DDAGW
- A Speleologist's View of the High Yielding Wells in Ohio's Newburg Zone  
Scott Bair, Ph.D., OSU School of Earth Sciences

#### DAM SAFETY-ODSO

- Protecting Our National Heritage—The Washington DC Levees  
Arthur Nix, Tetra Tech
- Ohio Statewide Probable Maximum Precipitation Study  
Hung Thai, ODNR-Engineering
- We Got How Much Rain?—Emergency Seepage Berm at East Reservoir  
Pete Nix, Tetra Tech

#### 2:30 - 3:00 p.m. Break

#### 3:00-4:30 p.m. OHIO RIVERS AND STREAMS

- Laurel Creek Design-Build Restoration Project A-Z: From ARRA Requirements to Successful Completion  
J. Meiring Borchers, Cuyahoga County Board of Health
- Using STEP-L Modeling and 210-Pb Dated Dam Pool Sediment Cores to Predict Sediment Loading Post-Dam Removal, Cuyahoga River, Ohio  
Maia Peck, NEFCO
- Macroinvertebrate Community Trends in Ohio's Largest Rivers: 1970s-2012  
Jeff DeShon, Ohio EPA-DSW

#### HISTORIC PERSPECTIVES ON WATER IN OHIO

- Water Use in Ohio and the Nation  
Kimberly Shaffer, USGS
- Changes in Transparency of Lakes in Ohio: A North American Perspective  
Robert Carlson, KSU Department of Biological Sciences
- The 40th Anniversary of the November 1972 Storm on Lake Erie  
D. Mark Jones, ODNR-Geological Survey

#### 4:30-6:00 p.m. Reception and Posters (new poster submissions welcomed—go to [www.wmao.org](http://www.wmao.org))

- Centennial Stream Gages in Ohio  
Kimberly Shaffer, USGS
- 15 Years of Watershed Events: Tributary Effects of the Re-Eutrophication of Lake Erie  
Doug Kane, Defiance College, Science and Mathematics Division
- Urban Stream Restoration Yields Cross-Cutting Community Benefits  
J. Meiring Borchers, Cuyahoga County Board of Health
- Nutrient Level Analysis of the Beckett Ridge Water Quality Basin  
Amy Cameron, Butler SWCD



# WMAO 2012 Fall Conference



Thursday, November 15

## Capitol Room - 1st Floor

## Polaris Room - 1st Floor

8:00-9:30 a.m.

### WATERSHED MANAGEMENT

- Recovery in Raccoon Creek  
Amy Mackey, OU Voinovich School of Leadership and Public Policy
- Twin Creek Preserve: Riparian Restoration Through Unique Partnerships  
Kara Scheerhorn, Mill Creek Watershed Council of Communities
- Developing a Watershed Control Program for Ohio EPA Long-Term Stage 2 Enhanced Surface Water Treatment Rule  
Jessica Glowczewski, City of Akron Water Supply

### HARMFUL ALGAL BLOOMS

- A Sampling Protocol for HAB Analysis  
Robert Davic, OLMS
- HABs Monitored by Citizen Scientists in the Muskingum Watershed, Ohio  
Dana Oleskiewicz, OLMS
- HABs and Ohio PWSs  
Heather Raymond, Ohio EPA-DDAGW

9:30-10:00 a.m.

Break

10:00-11:30 a.m.

### MINERAL RESOURCES MANAGEMENT

- The "411" on the AML Programs Public Health and Safety Unit  
Blake Arthur, ODNR-DMRM
- The "411" on the AML Programs "911" Unit  
Tim Jackson, ODNR-DMRM
- Shale Gas Extraction Regulation Update  
TBD, ODNR-DOGRM

### CONSERVANCY DISTRICTS

- 100th Anniversary of the 1913 Flood in the Ohio Valley  
Sarah Jamison, NWS
- 100 Years of Regional Leadership  
Kurt Rinehart, MCD
- Flood Reduction and Water Conservation: The History, Mission, and Operations of the Muskingum Conservancy District  
Lautenschleger, MWCD

11:30 a.m.-12:00 p.m.

Lunch and Board Meeting

12:30 a.m.-1:00 p.m.

WMAO Division Board Meetings or Break

1:00-2:30 a.m.

### AGRICULTURE AND ALGAL BLOOMS: WHAT SOCIAL SCIENCE CAN TELL US ABOUT SOLVING ONE OF OHIO'S MOST VEXING WATER QUALITY ISSUES.

Panel Members:

- Joe Bonnel, Ph.D., OSU Extension
- Brent Sohngen, Ph.D., OSU Department of Agricultural, Environmental, and Development Economics
- Robyn Wilson, Ph.D., School of Environment and Natural Resources
- Jeff Sharp, Ph.D., School of Environment and Natural Resources

### WATER QUALITY

- Pharmaceuticals and Personal Care Products (PPCPs) in the Streams and Aquifers of the Great Miami River Basin  
Michael Ekberg, Miami Conservancy District and Bruce Pletsch, Miami Conservancy District
- Road Salt Storage In Ohio: Recommendations for Protecting Water Resources  
Jeff Patzke, Ohio EPA-DDAGW
- Lower Great Miami River Water Quality Monitoring Program  
Brian Bohl, Hamilton SWCD

2:30-3:30 p.m.

Climate Change: Glaciers, Water, and People (Moderator - Lonnie Thompson, Ph.D., OSU Byrd Polar Institute)

3:30-4:30 p.m.

Ice Cream Social

**REGISTER TODAY!**



Fax registration form to:  
614-882-9325



Mail registration form to:  
WMAO  
Attn: Annual Conference  
601 Dempsey Rd.  
Westerville, OH 43081

Questions?  
For more information contact  
Greg Phelps 614-898-7791 ext. 567  
gphelps@ngwa.org



Register online:  
@wmao.org



# WMAO 2012 Fall Conference—100 Years of Watershed Events

November 14–15, 2012  
Quest Conference Center  
Columbus, Ohio

1. **REGISTRATION FEE** (includes meals)—Please check the appropriate fee category.

For registrations received on or before October 29. Beginning October 30, add \$25 to your registration fee.

	Full registration (Wed–Thur)	Wednesday Only	Thursday Only
WMAO Member	\$175 <input type="checkbox"/>	\$110 <input type="checkbox"/>	\$90 <input type="checkbox"/>
Nonmember	\$230 <input type="checkbox"/> *	\$150 <input type="checkbox"/>	\$120 <input type="checkbox"/>
Student	\$75 <input type="checkbox"/>	\$50 <input type="checkbox"/>	\$40 <input type="checkbox"/>
Emeritus (Member)**	\$100 <input type="checkbox"/>	\$70 <input type="checkbox"/>	\$40 <input type="checkbox"/>

\*  Check here if you would like \$65 of this registration fee applied toward a WMAO membership.

\*\*Must be retired from water profession and 65 years of age with 5 years of membership in WMAO (subject to verification).

Check here if you will only be presenting and will not be attending any other sessions or conference activities including meals (no registration fee).

2. **REGISTRANT INFORMATION** (duplicate this form for multiple registrations)

Name \_\_\_\_\_ Job title \_\_\_\_\_

Company/organization name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Phone \_\_\_\_\_ Fax \_\_\_\_\_ E-mail address \_\_\_\_\_

Will you be attending the reception with hors d'oeuvres on Wednesday?  Yes  No

Please indicate any special dietary requirements \_\_\_\_\_

### Additional Meal Tickets—for Guests

Wednesday, November 14 - Awards Luncheon

\$25 x \_\_\_\_\_ = \_\_\_\_\_

Thursday, November 15 - Board Meeting Luncheon

\$20 x \_\_\_\_\_ = \_\_\_\_\_

**TOTAL AMOUNT ENCLOSED:**

\$ \_\_\_\_\_

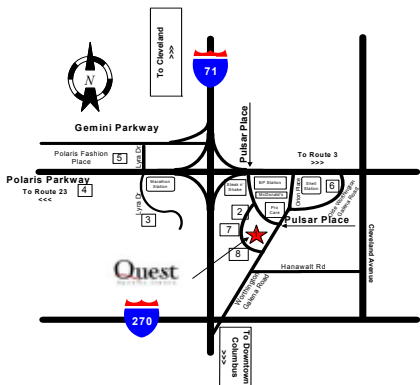
3. **METHOD OF PAYMENT** (please check the appropriate box)

My registration fee is enclosed. (check number \_\_\_\_\_)

My registration fee is enclosed. (purchase order number \_\_\_\_\_)

Invoice me please.

My registration fee is enclosed. (credit card number \_\_\_\_\_ expiration date \_\_\_\_\_  
email (for receipt) \_\_\_\_\_ signature \_\_\_\_\_)



Conference at:

**Quest**  
Business and Conference Centers.

8405 Pulsar Place  
Columbus, Oh 43240  
www.quest-centers.com