



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)

- 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:

\$ _____

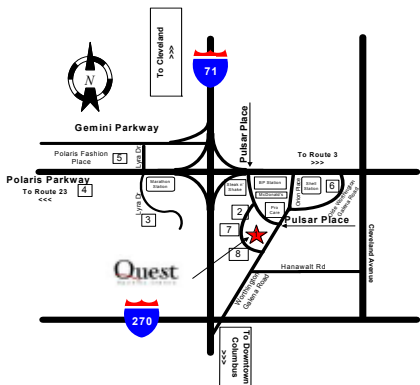
3. **METHOD OF PAYMENT** (please check the appropriate box)

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