



43rd Annual WMAO Conference
VALUING WATER: Exploring the interactions
between people, markets, and water
November 18 - 19, 2014
Doubletree by Hilton, Worthington/Columbus, Ohio



Photo courtesy of Barrie Brewer at www.barriebrewerphotography.com

Register online at: www.wmao.org. CEU credit and qualification for Engineering and Surveying CPD will be offered.

Conference registration fee includes attendance at conference sessions, conference informational materials, continental breakfast, lunch, and refreshments. Conference attendees are responsible for arranging their own overnight accommodations at the [Doubletree by Hilton Hotel](#), Worthington/Columbus; 614-885-3334 or 1-800-870-0349. Ask for the WMAO Conference group room rate of \$99/night (includes WiFi internet), single or double occupancy (discounted group rate expires October 27th). An additional charge of \$10.00 per person will apply for the third and fourth person per guest room. Rates are subject to state and local taxes, which are currently 17.50%. Exempt employees can request relief from City of Columbus Hotel Tax by submitting relevant forms ([click here](#)) at hotel check-in.

Please consider becoming an exhibitor or conference sponsor! Visit <http://wmao.org/sponsors/>, or register [here](#) as an exhibitor or sponsor.

To obtain a full refund of registration fees paid, cancellations must be confirmed with WMAO in writing by 4:00 p.m. on Friday, November 7, 2014. Should you have any questions about your registration, please contact Dana Oleskiewicz at 330-466-5631 or admin@wmao.org.

VALUING WATER: *Exploring the interactions between people, markets, and water*

Tuesday, November 18, 2014

8:00-8:30	Registration and Breakfast / Coffee		
8:30-10:00	Welcome and Introductions		
	Keynote Address - Water Conflicts presented by Dr. G. Dennis Cooke , Professor Emeritus, Kent State University		
10:00-10:15	Break and Exhibits		
	Concurrent 1	Concurrent 2	Concurrent 3
	Mineral Resource Management (MRM)	Ohio Dam Safety Organization (ODSO)	Ohio Lake Management Society (OLMS) - Stewardship
10:15-10:45	Use of Flue Gas Desulfurization By-products for Coal Mine Land Reclamation (Butalia Tarunjit, The Ohio State University)	Integrating the City of Columbus Upground Reservoirs into the Scioto River Water Resource System: Part 1- Record-Setting John R. Doutt Reservoir Adds Source (Jeff Brooks, City of Columbus)	Regional differences in attitudes towards water quality (Robert Carlson, Ohio Lake Management Society)
10:45-11:15	Steel Slag Leach Bed Longevity Analysis (Sarah Landers, Raccoon Creek Partnership)	Fly Ash Dam Raising Using Nonconventional Components (Mohammad Ajlouni, American Electric Power)	Communicating Watershed Facts Using GIS (Jim Swihart, Choctaw Lake Property Owners Association)
11:15-11:45	Using Abandoned Underground Mine Pools at Heat Pumps (Dina Lopez, Ohio University)	Emergency Warning Systems (Jon Kochis, Fairfield County Emergency Management Agency)	The Good, the Bad & the Ugly, a Community's Response to a Lake in Crisis (Donna Grube, Auglaize & Mercer County Convention & Visitors Bureau)
12:00-1:00	Awards Luncheon		
	Education and Outreach	Fish Ecology	Ohio Lake Management Society (OLMS) - Water Quality
1:15-1:45	Utilizing "Project WET" and "Healthy Water, Healthy People" in the Development of Ohio's Water Conservation Education Program (Leonard Black, Ohio Dept. of Natural Resources)	Headwater Stream Assessment (Elayna Grody, City of Columbus)	Mind the Gap: The Federal Funding Gap Between Fundamental Research and Fundamental Solutions for Harmful Algal Blooms (Stephanie Smith, Beagle Bioproducts)
1:45-2:15	The Science – Management Nexus in a Complex Institutional Setting: Promoting Agricultural Best Management Practices in the Western Lake Erie Basin (Pranay Ranjan, The Ohio State University)	Color variation in fishes across turbidity extremes in East Africa (Suzanne Gray, The Ohio State University)	Improving In-Situ Sequestration of Contaminants in Sediment Using Ultrasound (Zongsu Wei, The Ohio State University)
2:15-2:45	New funding opportunities for water education (Carolyn Watkins, Ohio Environmental Protection Agency)	Chemical and biological water analysis of varying ages of gravel pits, and the ability of raising Rainbow Trout, <i>oncorhynchus mykiss</i> , in the water bodies (Macgregor Donaldson, SOCHE-Freshwater Farms)	Excess nitrogen stimulates cyanobacteria growth and toxin production (Justin Chaffin, Ohio Sea Grant)
2:45-3:15	Break and Exhibits		
	Next Generation of Water Professionals	Fishing Industry	Ohio Lake Management Society (OLMS) - Water Assessment
3:15-3:45	Nature vs Nurture: What makes for an effective watershed group leader? (Joe Bonnell, The Ohio State University)	Value and Trends of the Great Lakes Charter Fishing Industry (Tory Gabriel, Ohio Sea Grant)	Exploring Buckeye Lake's Origins, History as a Canal Lake, and Early Lake Studies (Michael Gallaway, Ohio Environmental Protection Agency)
3:45-4:15	Recruiting the Next Generation of Water Management Professionals (Carolyn Watkins, Ohio Environmental Protection Agency)	Valuing the Lake Erie Fishery (Kevin Kayle, Ohio Department of Natural Resources)	Buckeye Lake Update - Presentation of 2014 Data (Jeffrey Bohne, Ohio Environmental Protection Agency)
4:15-4:45	Careers in Water Resources (<i>Students and Professionals</i>)	Impacts of Shoreline Alteration on the Nearshore Fish Community of Western Lake Erie (Christine Mayer, University of Toledo)	Urban Lake Assessment: Water Quality and Lake Condition in Cuyahoga County, Ohio (Julie Wolin, Cleveland State University)
5:00-6:00	Reception and Poster Session		
6:00	Networking and Hospitality		

Wednesday, November 19, 2014

8:00-8:30 Registration and Breakfast / Coffee			
	Concurrent 1	Concurrent 2	Concurrent 3
	Wetlands	Nutrient Loading	Public Water Supply
8:30-9:00	Ohio River Basin Wetland Conservation Planning Project (Jerome Iles, The Ohio State University)	The implications of environmental policy on nutrient outputs in agricultural watersheds (Brent Sohngen, The Ohio State University)	Integrating the City of Columbus Upground Reservoirs into the Scioto River Water Resource System: Part 1 - Removal of Low Head Dam and installation of Pneumatic Weir Gate System (Matt Steele, City of Columbus)
9:00-9:30	The Nature Conservancy's Stream and Wetland Mitigation Program: Reducing permitting time and increasing success (Devin Schenk, The Nature Conservancy)	Water quality of Grand Lake St. Marys tributaries and potential for in-lake nutrient processing (Laura Johnson, Heidelberg University)	Integrating the City of Columbus Upground Reservoirs into the Scioto River Water Resource System: Part 2- Multi-Faceted Stakeholder Interactions (Ken Ricker, ms consultants)
9:30-10:00	Environmental causes of methane fluxes from an urban wetland (Timothy Morin, The Ohio State University)	Using Cover Crops and No-Till to Economically Reduce Phosphorus Runoff (James Hoorman, The Ohio State University)	Cost of treating cyanobacteria in drinking water (Dean Reynolds, City of Alliance)
10:00 - 10:30 Break and Exhibits			
	Water Use and Availability	Nutrient Management	Groundwater
10:30-11:00	Healthy Water Ohio – A Strategy for Water Resource Management (Larry Antosch, Ohio Farm Bureau Federation)	Goose Management (Lorraine Krzyzewski, City of Columbus)	10:30-10:50 - Groundwater Resources: An Innovative Succession Plan (Jess White, City of Dayton)
11:00-11:30	Water Withdrawals in Ohio: Recent Trends (Mitch Valerio, Ohio Department of Natural Resources)	The potential for pollutant runoff from surface irrigation of reclaimed wastewater in cold weather (Griffin Joshua, The Ohio State University)	10:50-11:10 - Hydrogeological Investigation of the Timken Faircrest Steel Plant Construction Dewatering Project Stark County, Canton and Perry Townships, Ohio (Curtis Coe & Jim Raab, Ohio Department of Natural Resources)
11:30-12:00	Water Resources Determining Ohio's Future: Water Efficiency Manual for Industrial, Commercial, and Institutional Facilities (Serena Alexander, Cleveland State University)	Sustainable Water Quality Management and Public Health Protection by Urban Wetlands (Tsong-Ta (David) Hsu, The Ohio State University)	11:10-11:30 - Chloride and Nitrate Trends in Ohio's Public Water System Wells (Michael Slattery, Ohio Environmental Protection Agency) 11:30-11:50 - Groundwater Availability in the Appalachian Plateaus (Kurt McCoy, U.S. Geological Survey)
12:15-1:00 Lunch and WMAO Annual Meeting			
1:00-1:30 WMAO Division Annual Meetings or Exhibits			
	Climate Change	Watershed Management	Stormwater (OSWA) and Floodplain Management (OFMA)
1:45-2:15	Modeling Potential Impacts of Climate Change on Runoff in the Upper Scioto River Basin - Part 1 (Greg Koltun, U. S. Geological Survey)	What do markers tell us about septic systems in agricultural watersheds? (Christopher Spiese, Ohio Northern University)	City of Mansfield Flood Hazard Mitigation Initiative (Miles Hebert & Shawn Arden, EMH&T)
2:15-2:45	Sustaining Scioto: Investing Today Preserving Tomorrow: Modeling Potential Impacts of Climate Change on Runoff in the Upper Scioto River Basin - Part 2 (Greg Koltun, U.S. Geological Survey)	Ohio Watershed Plan Endorsement 2.0 (Greg Nageotte, Ohio Department of Natural Resources)	
2:45-3:15	Adaptive Management Planning for Climate Change: Addressing Potential Impacts on Infrastructure Planning and Design (Lisa Jeffrey, Brown and Caldwell)	Discharge Quality Water From Dairy Manure: A Summary Of The McLanahan Nutrient (Renee Schrifft, McLanahan Corporation)	Bolivar Dam - Innovative Seepage Control Measures (Kenneth Woodard, U.S. Army Corp of Engineers)
3:15-3:30 Break and Exhibits			
3:30-5:30 Ice Cream Social and viewing of documentary "Chasing Ice"			



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REGISTER TODAY!



Please register online*:

www.wmao.org

*Use a MasterCard, Visa, Discover, AMEX, eCheck, or by purchase order or invoice.

OR

Scan and forward form to: admin@wmao.org

Mail in registration form:
WMAO - Conference
8440 E. Washington St. #206
Chagrin Falls, OH 44023



Questions?

Contact:
Dana Oleskiewicz
330-466-5631
admin@wmao.org

1. REGISTRATION FEE (includes meals) - Please check the appropriate fee category below.

Walk-in registration: Add \$25 to fee when registering on day of event.

	<u>Full Registration (Tues - Wed)</u>	<u>One Day (select Tue or Wed)</u>
WMAO Member	[] \$230	[] \$135 [] Tuesday
Nonmember**	[] \$270	[] \$150 [] Wednesday
Student	[] \$50	[] \$35
Emeritus (member)***	[] \$100	[] \$70

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

** [] Check here if you would like \$40 of this registration fee applied towards a discounted 2015 WMAO membership (one time offer per member).

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

2. REGISTRANT INFORMATION (submit a form for each attendee)

Name _____ Job Title _____

Company / Affiliation _____

Address _____

City _____ State _____ Zip _____

Phone _____ Email _____

Will you be attending the reception with hors d'oeuvres on Tuesday? [] yes [] no **Total Fees**

Please indicate any special dietary requirements _____ Fee from above: _____

Additional Meal Tickets for Guests: Tuesday, November 18 - Awards Luncheon \$30 x _____ = _____

Wednesday, November 19 - Board Meeting Luncheon \$25 x _____ = _____

3. METHOD OF PAYMENT - please check appropriate box below

- [] My registration fee is enclosed (check # _____)
- [] Purchase order # _____ [] Please invoice me
- [] Please charge my credit card:

Name on card _____

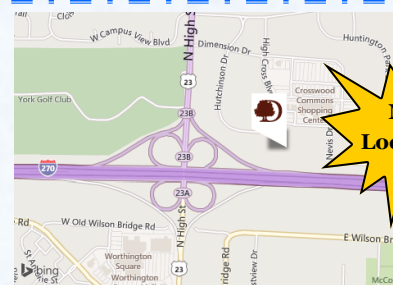
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TOTAL AMOUNT ENCLOSED \$ _____



Doubletree by Hilton, Worthington/Columbus

Conference Room Rate: \$99/night (until Oct. 27th)

175 Hutchinson Ave., Columbus, OH

614-885-3334 or 1-800-870-0349