

## CEUs/CPDs

The 48th Annual WMAO Fall Conference "Water Weirding" was approved for the listed hours of Continuing Education Units (CEUs) through NMA: The Leadership Development Organization", according to International Association of Continuing Education and Training (IACET) Criteria and Guidelines. This conference also qualifies for the hours of Engineering and Surveying Continuing Professional Development (CPD) hours. Use this form to record which sessions you attended by initialing the box or boxes next to each session you attend. Before leaving the conference, drop your completed and signed form at the registration desk. If you accidentally take this form with you, you can mail your completed and signed form to: Susan Grover 200 North High Street, Room 522 Columbus, OH 43215 or e-mail a scanned signed copy to [susan.grover@usda.gov](mailto:susan.grover@usda.gov). Your certificate will be sent to the e-mail address you provide below. You cannot receive credit for more than one concurrent session at a time. You must be registered for the conference to receive CEUs and/or CPDs. By signing this form, you attest that the information recorded is true and complete. **NOTE: This is a self certification process. WMAO is not responsible for the determination of eligibility of certification for each individual.**

Print Name (as you wish it to appear on the certificate) \_\_\_\_\_

Signature \_\_\_\_\_ Date \_\_\_\_\_ Email \_\_\_\_\_

<b>Water Weirding</b> <b>Wednesday, November 13, 2019</b>											
8:00 - 8:30	Registration and Coffee in Foyer 1 & 2										
8:30 - 9:00	Welcome and Introduction in Ballroom 3 & 4										CEU
9:00 - 10:00	Keynote: Aaron Wilson, The Ohio State University Byrd Polar and Climate Research Center, Water Weirding in a Time of Rapidly Changing Climate										0.1
10:00 - 10:15	Break in Foyer 1 & 2										
	Ballroom 1 & 2			Ballroom 3			Ballroom 4			Grand Pavilion	
10:15 - 11:45	<b>Mineral Resource Management</b>	CEU	CPD	<b>Ohio Lake Management Society</b>	CEU	CPD	<b>Ohio Department of Agriculture</b>	CEU	CPD	<b>Ohio Floodplain Management</b>	CEU
10:15 - 10:45	Acid Mine Drainage Paint Pigment (Michelle Shively, Rural Action and True Pigments)	0.05	0.5	Weird Weather: Did the Unprecedented Precipitation of 2019 in the Maumee River Watershed Affect Riverine Planktonic Cyanobacterial Dynamics? (Doug Kane, Defiance College)	0.05	0.5	Innovating Voluntary Agricultural Conservation with State Incentives (Matt Lane, Ohio Dept. of Agriculture)	0.05	0.5	10:15 - 10:45 National Flood Insurance Program and Floodplain Management Updates (Ohio Dept. of Natural Resources)	0.05
10:45 - 11:15	Ohio AML Pilot Projects - Combining Reclamation with Economic Development (Mike Bowden, Ohio Dept. of Natural Resources)	0.05	0.5	Weather and Climate Impacts on Lake Erie and Coastal Systems (Jason Trapp, Ohio Dept. of Natural Resources)	0.05	0.5	Agricultural Pollution Abatement Program (Jason Tyrell, Ohio Dept. of Agriculture)	0.05	0.5	10:45 - 11:45 Risk Rating 2.0: Progress to Date and Next Steps (Shilpa Mulik, Federal Emergency Management Agency HQ)	0.1
11:15 - 11:45	Proven Pilot Partnerships: Ohio AML Program & Rural Action (Marissa Lautzenheiser, Rural Action)	0.05	0.5	Grass Carp Invasion Update (Nikki King, University of Toledo)	0.05	0.5	Overview of Permitting of Large Livestock Facilities in Ohio (Andy Ety, Ohio Dept. of Agriculture)	0.05	0.5		1
12:00 - 1:00	Awards Luncheon in Grand Pavilion, Vendor Challenge Drawing 1										
1:15 - 2:45	<b>Ohio Dam Safety Organization</b>	CEU	CPD	<b>Ohio Lake Management Society</b>	CEU	CPD	<b>Sustainable Farming</b>	CEU	CPD	<b>Ohio Floodplain Management</b>	CEU
1:15 - 1:45	New Dam Construction in Guernsey County, Ohio (Matt Marquis and AJ Smith, Hull & Associates, Inc.)	0.05	0.5	Modeling Approach to Analyze Salinity Intrusion in Mentor Marsh (Suresh Sharma, Youngstown State University)	0.05	0.5	Regenerative Farming (Eric Pawlowski, Ohio Ecological Food and Farm Association)	0.05	0.5	1:15 - 2:00 Why (Almost) Every Ohio Community Should be in the CRS Program (John Devine, Federal Emergency Management Agency Region 5)	0.075
1:45 - 2:15	Design and Construction of Cannon Drive Levee - Phase 1 (Michael Rowland, S&ME, Inc.)	0.05	0.5	Six Mile Aqueduct, A Restoration Project Steeped in Challenges and Rain (Matthew Gramza and Jacob Bench, Ohio Dept. of Natural Resources)	0.05	0.5	Regeneration from the Ground Up (Susan Jennings, Community Solution)	0.05	0.5		0.75
2:15 - 2:45	Effects of Scour, Landslides and Debris Flows in Puerto Rico during Hurricane Maria (Daniel Pradel, Ohio State University)	0.05	0.5	Species Distribution Models for a Native Imperiled Minnow and a Non-native Sport Fish in Ohio (Ken Oswald, Ohio Northern University)	0.05	0.5	An Agro-Ecological Farmer's Perspective on Sustainably Adapting to an Ever-Changing Climate (Jeff Dickinson, Stratford Ecological Center)	0.05	0.5	2:00 - 2:45 Floodplain Frequently Asked Questions (Ohio Dept. of Natural Resources)	0.075
2:45 - 3:15	Break in Foyer 1 & 2										
3:15 - 4:45	<b>Ohio Dam Safety Organization</b>	CEU	CPD	<b>Ohio Lake Management Society</b>	CEU	CPD	<b>Nutrient Management</b>	CEU	CPD	<b>Ohio Floodplain Management</b>	CEU
3:15 - 3:45	Buckeye Lake Dam Improvements (Doug Evans, Ohio Dept. of Natural Resources)	0.05	0.5	Best Management Practices Could Combat Nutrient Loadings to Lake Erie in a Changing Climate (Haley Kujawa, Ohio State University)	0.05	0.5	H2Ohio and Ohio's DAP (Joy Mullinex, Ohio Lake Erie Commission)	0.05	0.5	3:15 - 3:45 Reconnecting Streams with Their Floodplains in the Chagrin River Watershed (Kristin Hebebrand, Chagrin River Watershed Partners)	0.05
3:45 - 4:15	Removing the Tait Station Low Dam from the Great Miami River (Kurt Rinehart, Miami Conservancy District)	0.05	0.5	Reservoir Management for Harmful Algal Blooms in Drinking water sources (Ruth Brilland, Ohio Environmental Protection Agency)	0.05	0.5	Agricultural Soil Erosion and Water Quality Targets: Management Matters (Libby Dayton, Ohio State University)	0.05	0.5	3:45 - 4:15 USACE Flood Risk Reduction Opportunities (Laura Ortiz, U.S. Army Corp. of Engineers)	0.05
4:15 - 4:45	High Hazard Dams - Emergency Action Plans and 2D Modeling (Charles Dewes, Christopher Burke Engineering)	0.05	0.5	Measuring Streamflow, Water Quality and Nutrient Sediment Loads in the Western Lake Erie Basin (Donna Runkle and Dennis Finnegan, U.S. Geological Survey)	0.05	0.5	Agricultural Phosphorus Run-off and Water Quality Targets: Nutrient Placement (Shane Whitacre, Ohio State University)	0.05	0.5	4:15 - 4:45 Using GIS and HAZUS to Identify Flood Risk Areas (Matt Leshner, Stantec, Inc.)	0.05

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Print Name (as you wish it to appear on the certificate)

Signature	Date	Email address
_____	_____	_____

Water Weirding												
Thursday, November 14, 2019												
8:00 - 8:30	Registration & Coffee											
	Ballroom 1 & 2			Ballroom 3			Ballroom 4			Grand Pavilion		
8:30 - 10:00	Recreation	CEU	CPD	Then & Now	CEU	CPD	Groundwater	CEU	CPD	Ohio Floodplain Management Association	CEU	CPD
8:30 - 9:00	Clean Marina and Boaters (Heather Sheets, Ohio Dept. of Natural Resources)	0.05	0.5	Cuyahoga: From Flame to Fame: The Story of an American River (Bill Zawiski, Ohio Environmental Protection Agency)	0.1	1	Statewide, Seamless Mapping of Groundwater Vulnerability using a Modified DRASTIC Model (Craig Nelson, Ohio Dept. of Natural Resources)	0.05	0.5	8:30 - 9:00 OFMA General Session & Annual Meeting	0.05	0.5
9:00 - 9:30	Water Recreation In Weird Times (Lisa Daris, Olentangy Paddle)	0.05	0.5				Water Use in Ohio, the Nation, and Moving Towards a Water-use Real-time Network (Kimberly Shaffer, U.S. Geological Survey)	0.05	0.5	9:00 - 9:30 Climate Change Resiliency of Stormwater Infrastructure in NE Ohio (Jay Mosley, Environmental Design Group)	0.05	0.5
9:30-10:00	Staying Afloat with Trends in Outdoor Recreation (Adria Bergeron and Kara Musser, Muskingum Watershed Conservancy District)	0.05	0.5	Sustaining Scioto Short Term Implementation Plan (Stephen Patchan, Mid-Ohio Regional Planning Commission)	0.05	0.5	Ohio EPA's Underground Injection Control Program (L. Taliaferro III, Ohio Environmental Protection Agency)	0.05	0.5	9:30 - 10:00 Floodplain Resiliency: The Coming Convergence of Disruption (Julie Lawson, Environmental Design Group)	0.05	0.5
10:00 - 10:15	Break in Foyer 1 & 2											
10:15 - 11:45	Ohio Watershed Professional Association	CEU	CPD	Data and Coordination	CEU	CPD	Drinking Water	CEU	CPD	Ohio Floodplain Management Association	CEU	CPD
10:15 - 10:45	Enhancing the Utility of Macroinvertebrate Data Collected by Volunteers (Kurt Keljo, Franklin Soil and Water Conservancy District)	0.05	0.5	Development of Integrated Prioritization Systems to Support Water Quality Management Decision- Making (Edward Rankin, Midwest Biodiversity Institute)	0.05	0.5	Using Ultrasound to Control Cyanobacterial Blooms in Source Water Reservoirs (Zuzana Bohrerova, Ohio State University)	0.05	0.5	10:15 - 11:00 Why Knowing How Much It Rained Delivers Beneficial Results (Mark Frazier, National Weather Service Indiana, and Sarah Jamison and Link Crawford, National Weather Service Ohio)	0.075	0.75
10:45- 11:15	It Should Be Normal by Now - Using Systems Thinking to Protect Rivers (Sarah Hippensteel Hall and Mike Ekberg, Miami Conservancy District)	0.05	0.5	Allen Creek Berm Opening - An Alternative to Noah's Ark (Jeremy Hedden, Bergmann Associates)	0.05	0.5	Impact of Filter Upset During Conventional Surface Water Treatment on UV Disinfection Efficacy (Judith Straathof, Ohio State University)	0.05	0.5	11:00 - 11:45 Using Current Technology to Determine Both Fluvial and Pluvial Risk (Mark Seidelmann, Stantec, Inc.)	0.075	0.75
11:15-11:45	Challenges in Watershed Governance: A Cross-cultural Comparison of Ohio and the Dominican Republic (Joseph Bonnell)	0.05	0.5	Flood Warning Services in a Wetter World (Sarah Jamison, National Oceanic and Atmospheric Administration)	0.05	0.5	Peeling the Onion, the Layers of Asset Management (Susan Schell, Ohio Environmental Protection Agency)	0.05	0.5			
12:00-1:00	Lunch in Grand Pavilion, WMAO Annual Meeting, Vendor Challenge Drawing 2											
1:00- 1:30	WMAO Division Annual Meetings in Salon B/C or Water History Challenge in Ballroom 4											
1:30 - 3:00	Stormwater & Community Engagement	CEU	CPD	Education	CEU	CPD	Water Treatment	CEU	CPD	Ohio Floodplain Management Association	CEU	CPD
1:30 - 2:00	Assessment of Bioretention Performance for Hydrology and Hydrocarbons (Abigail Tamkin, Ohio State University)	0.05	0.5	Project WET Updates (Dennis Clement, Ohio Environmental Protection Agency)	0.05	0.5	Seawater Sewage Treatment with Sand Bioreactors (Kristen Conroy, Ohio State University)	0.05	0.5	1:30 - 3:00 Certified Floodplain Manager and Professional Engineering Ethics Training (Alicia Silverio, Ohio Dept. of Natural Resources and Chad Boyer, MS Consultants, Inc.)	0.15	1.5
2:00 - 2:30	Getting Rain Gardens Built Without Lifting a Shovel (Susan Bryan, Washtenaw County Water Resources)	0.05	0.5	Unique and Effective Ways to Educate for Improving Water Quality (Ryan Bourgart, Ohio Environmental Protection Agency)	0.05	0.5	Using Instream Bio-reactors to Improve Water Quality, Reduce Erosion and Change Stream Morphology (Kurt Keljo, Franklin Soil and Water Conservation District)	0.05	0.5			
2:30 - 3:00	Educational Programs at Latham Park (Hala Zahredine, Urban Park Development, LLC)	0.05	0.5	Ohio Watershed Leaders Conference – Seventeen Years and Still Evolving (Jery Iles, Ohio State University Extension)	0.05	0.5	USEPA Strategic Plan-National Compliance Initiative (2018-2022) NPDES Significant Noon Compliance (Bill Palmer, Ohio Environmental Protection Agency).	0.05	0.5			
3:15 - 4:15	Ice Cream Social in Grand Pavilion, Door Prizes and Vendor Challenge Drawing 3										CEU	CPD
											0.1	1