

52nd Annual Conference WATER: OUR MOST VALUABLE RESOURCE
Tuesday, November 7, 2023

7:30 - 8:30	WMAO Networking Breakfast (separate registration required)			
8:00 - 9:00	Registration & Coffee			
9:00 - 9:15	Welcome and Introductions - Ballrooms 3 & 4			
9:15 - 10:00	General Session: <i>Update from Intel</i> (Emily Smith; Intel Corporation) & <i>Collaboration is Key in a Rapidly Developing Watershed</i> (Kristy Hawthorne, Licking County Soil & Water Conservation District)			
10:00 - 10:15	NETWORKING BREAK Please visit our vendors and exhibitors.			
	Ballrooms 1 & 2	Ballroom 3	Ballroom 4	Salons B & C
10:15-11:45	Lake Management	Agriculture	Dam Safety	Special Events
10:15-10:45	Occurrence and sources of veterinary pharmaceuticals in Lake Erie tributaries (Laura Johnson, Heidelberg University; et. al.)	Controlling Edge-of-Field Phosphate and Nitrate Loss Using Activated Carbon Composites (Rafiq Isoam, The Ohio State University South Centers; et. al.)	Back in Time: An Actual Look Inside of a 120-Year-Old Timber Crib Dam (Timothy Hampshire, DLZ Ohio, Inc.)	Nothing Scheduled
10:45-11:15	The Continuing Story of Chloride Concentrations in Ohio's Ohio River Tributaries (Doug Kane, Heidelberg University; et. al.)	Agriculture Conservation Planning Framework: Model results, lessons learned and next steps (August Froehlich, The Nature Conservancy; et. al.)	Columbus Hoover Dam Project – Maintaining Water Supply through a Major Capital Upgrade (Bill Porteus, ms and C.R. Weaver, City of Columbus - Division of Water Works)	
11:15-11:45	A look at Indian Lake: A case study of how a reservoir stable state change resulted in an extreme invasion of Eurasian watermilfoil (Myriophyllum spicatum) and the need for intensive management. (Edward Kwietniewski, AquaDoc)	Enhancing Capabilities to Measure, Monitor, Verify and Report ODA H2Ohio Implementation (Kip Studer, Ohio Department of Agriculture)	Ohio Dam Safety Program Update (Matthew Marquis and Adam Lanzillotta, Ohio Department of Natural Resources - Dam Safety Program)	
11:45-1:00	Awards Luncheon - Grand Pavilion Vendor Challenge Drawing 1			

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	Ballrooms 1 & 2	Ballroom 3	Ballroom 4	Salons B & C
1:15 - 2:45	Ecosystems	Watershed Management	Ground Water	Special Events
1:15 - 1:45	Documenting Ohio's Aquatic Plant Community (Mark Warman, Cleveland Metroparks)	Healthy watersheds require authentic stakeholder engagement (Elizabeth Schuster, Sustainable Economies Consulting)	Simulating Groundwater Flow Through Highly Heterogeneous Glacial Sediments in NW Ohio Using MODFLOW6 (Chanse Ford, US Geologic Survey)	Conservancy Districts Meeting
1:45 - 2:15	Understanding Aquatic Habitat Perceptions in the Maumee River Watershed (Julia Glandorff, The Ohio State University and Robyn Wilson, The Ohio State University)	A Grand Conservation Vision for the Grand River (Tom Rooney, The Nature Conservancy; et. al.)	Understanding Groundwater-Surface Water Interactions to Improve Golf Course Water Management (Adam Janzen, Barr Engineering Co.)	
2:15 - 2:45	Tools Available for Restoring Habitat on Ohio's Privately Owned Lands (Christina Kuchle,, Ohio Department of Natural Resources - Division of Wildlife)	Williamsburg Off-Channel Wetland Project (John McManus, Clermont Soil and Water Conservation District; et. al.)	Ohio's Strategy for Protecting Ground Water - Then and Now (Tom Allen, Ohio Ground Water Association)	
2:45 - 3:15	NETWORKING BREAK Please visit our vendors and exhibitors.			
3:15 - 4:45	Floodplain Management	Nonpoint Sources	Mineral Resources Management	Special Events
3:15- 3:45	Selection of HEC-RAS 2D Modeling Approach for Flood Inundation Mapping (Danielle Johnson, Stantec Consulting Services, Inc. and Limei Yang, Stantec Consulting Services, Inc.)	Rethinking water quality standards to better address pollution from diffuse sources (Robert Miltner, Ohio EPA Division of Surface Water)	Monday Creek Biological Update and Next Steps (Hannah Kopp, Rural Action)	Careers in Water Resource: Professional and Student Networking Event
3:45 - 4:15	Flood protection, water stewardship, and recreation – how Miami Conservancy District is planning for the future (MaryLynn Lodor, Miami Conservancy District; et. al.)	NUTRIENTS: Important Issues Coming to Waters Near You (Lee Slone, McMahon DeGulis LLP)	Taggarts Wetland - H2Ohio for acid mine drainage remediation (Marissa Lautzenheiser and Chad Kinney, Ohio Department of Natural Resources - Division of Mineral Resources Management)	
4:15 - 4:45	Re-establishment and rehabilitation of aquatic resources on public land for compensatory mitigation (Bradley Petru, Civil & Environmental Consultants, Inc.; et. al.)	Nonpoint Source-Implementation Strategies: Beyond the Template (Deanna Bobak, Civil & Environmental Consultants, Inc.)	Acid Mine Drainage Treatment in Ohio: successes, challenges, and future (Kaabe Shaw, Ohioi Department of Natural Resources - Division of Mineral Resources Management)	

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5:00 - 6:00	Reception & Poster Session - Grand Pavilion
	POSTERS
	Characterizing Micro- and Nanoplastics in Lake Erie Sourced Drinking Water (Megan Jamison, The Ohio State University and John J. Lenhart, The Ohio State University)
	Community-Engaged Best Management Practices for Storm Water Management using PCSWMM (Rajati Dahal, Youngstown State University and Shuresh Sharma, Youngstown State University)
	Removal of microcystin using Artificial Floating Islands in residential wastewater (Chen Zhaozhe, The Ohio State University - School of Earth Sciences; et. al.)
	Risk Assessment of Reclaiming an Abandoned Mine with Coal Combustion Residuals (Gabrielle Martin, The Ohio State University; et. al.)
	Monitoring for local water quality improvements in Ashland County streams (Ruth McCrea, Ashland University - Environmental Science Program and Department of Biology and Jessi Raubenolt, Ashland University - Environmental Science Program and Department of Biology; et. al.)
	What Mud Can Do For You: Soil Removal of Phosphorus from H2Ohio Wetlands (Kelly Peterson, National Center for Water Quality Research, Heidelberg University; et. al.)
	Quantifying Primary Algal Groups in H2Ohio Wetlands (Haley Hoehn, Heidelberg University; et. al.)
	Dilutional Effects of Upstream Sediments on Downstream Heavy Metal Content, Black River, OH (Madison Wood, Akron, Department of Geosciences and John A. Peck, Akron, Department of Geosciences)
	Using the theory of alternate states in ecosystems to predict harmful algal blooms (Tamar Atwell, Kent State University)
	Identifying the Adsorption of Dissolved Organic Matter Components to Powdered Activated Carbon (Yuzhou Huang, The Ohio State University)
	Solid-Phase Sediment Extraction (SPSE) with Hydrophobic Pesticide Contaminants in Sediment (Noelle Little, Ashland University, Department of Biology and Toxicology and Mikayla Ortiz, Ashland University, Department of Biology and Toxicology; et. al.)
	Assessing the Impact of New PFAS Regulations on Water Affordability in the State of Ohio (Jacob Gardner, The Ohio State University; and Daniel Gingerich, The Ohio State University)
	Use of Terephthalate (TPT) to Quantify Hydroxyl Radicals Produced by Nanobubble Ozone Technology (Megan Nicholson, The Ohio State University - Department of Civil, Environmental, and Geodetic Engineering; et. al.)
	Can Water Quality Trends In Small Streams Be Used As Indicators for Climate Change? (Cody Benesh, Heidelberg University; et. al.)
6:00- ?	Attendee Networking Event - Grand Pavilion

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8:00 -8:30	Registration & Coffee			
	Ballrooms 1 & 2	Ballroom 3	Ballroom 4	Salons B & C
8:30-10:00	Stormwater 1	Water Quality 1	Source Water Protection	Special Events
8:30 - 9:00	Climate Change Effects on Rainfall Intensity-Duration-Frequency (IDF) Curves in Town of Willoughby (HUC-12) Watershed Using Various Climate Models (Shuresh Sharma, Youngstoung State University)	Overview of Ohio’s Water Quality Assessment and Restoration Process through Total Maximum Daily Load (TMDL) Program (Ruth Briland, Ohio EPA - Division of Surface Water; et. al.)	A Hitchhiker’s Guide to Source Water Protection (Ryan Ellis, Ohio EPA - Division of Drinking and Ground Waters)	Nothing Scheduled
9-:00 9:30	Make it Rain: Stormwater Management Plans that won’t Drain your Budget (Bekah Strait, Davey Resource Group)	Study Planning and Assessment Reports for Targeted Basin Studies (Marissa Ganzfried, Ohio EPA - Division of Surface Water; et. al.)	Regional Cooperative Efforts for Source Water Protection (Tim McLelland, The Groundwater Consortium)	
9:30-10:00	Monitoring Sediment Basin Performance with Varying Dewater Times Less than 48-hours (Alec Grimm, The Ohio State University; et. al.)	Multiple TMDL Approaches for Common Water Quality Impairments: Bacteria, Sediment, Habitat, and Total Dissolved Solids (Emily Keil-Loudner, Ohio EPA - Division of Surface Water; et. al.)	Utilizing Source Water Protection Implementation Surveys to Better Assist Public Water Systems (Mackenzie Rutherford, Ohio EPA - Division of Drinking and Ground Waters)	
10:00 - 10:15	NETWORKING BREAK Please visit our vendors and exhibitors.			
10:15 - 11:45	Stormwater 2	Water Quality 2	Rural Community Assistance Program	Special Events
10:15 - 10:45	Compliance strategies for TMDLs in small MS4 communities (Caroline Cicerchi, JEO Consulting Group)	East Fork Little Miami River Watershed TMDL Project to Address Near and Far-field Impairments (Paul Gledhill and Emily Keil-Loudner, Ohio EPA - Division of Surface Water)	Getting Source Water Protection Education Beyond Your Service Area (Cindy Brookes, Great Lakes Community Action Partnership)	Nothing Scheduled
10:45- 11:15	Benefits of Bioretention Cells in Cleveland Metroparks Brookside Reservation: How Design Features and Vegetation Selection Impact Performance (Andrew Tirpac, The Ohio State University; et. al.)	Large Rivers Summary Report and Ohio Rivers Initiative (Bob Miltner, Ohio EPA - Division of Surface Water and Melinda Harris, Ohio EPA - Division of Surface Water)	Source Water Protection/Water Conservation Tips for your Sewer and Septic (Cindy Brookes and Misty Tolzda, Great Lakes Community Action Partnership)	
11:15-11:45	Urban Soils - The Forgotten Aspect of Urban Watershed Management (Jay Dorsey, The Ohio State University - Stormwater Management Program)	Nonpoint Source Implementation Strategies (Rick Wilson, Ohio EPA - Division of Surface Water)	Stormwater Utility Creation for Non-MS4 Communities (Ben Howard, Rural Community Assistance Program)	

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11:45- 12:00	NETWORKING BREAK - Please visit our vendors and exhibitors.			
12:00-1:00	Lunch, WMAO Annual Meeting, Drawing 2 for Vendor Challenge - Grand Pavilion			
1:00- 1:30	Division Annual Meetings OR Please visit our vendors and exhibitors.			
	Ballrooms 1 & 2	Ballroom 3	Ballroom 4	Salons B & C
1:30 - 3:00	Education / Outreach	Public Programs	Wastewater	Special Events
1:30 -2:00	Ohio's Marina Industry Business Retention and Expansion Initiative (Joe Lucente, The Ohio State University / Ohio Sea Grant)	ODA Regional Watershed Plans (Greg Nageotte, Ohio Department of Agriculture and Peter McDonough, Ohio Department of Agriculture)	An Update on Current and Future Analytical Methods for PFAS and Organic Fluorine (Josh Richards, Pace® Analytical Services, LLC)	Ohio Water Resources Coordinating Committee Meeting
2:00-2:30	Olentangy Septic Smart Education Program (Laura Fay, Friends of the Lower Olentangy Watershed)	Environmental Justice in Environmental Law (Megan Goedecker, McMahon DeGulis LLP)	Optimizing Water Treatment Systems for Success (Adrian Eriksen, Clear Water Services)	
2:30-3:00	Project WET Updates (Dennis Clement, Ohio EPA)	Names as a Way to Keep Places in Your Mind -- an Introduction to the Board on Geographic Names (Cyndi Rachol, US Geological Survey - National Geospatial Program User Engagement)	Emergency Response to Sewage Release in Mill Creek with Transformer Failure at MSDGC Gest Street WWTP (Dave Schmitt, Mill Creek Alliance)	
3:00- 3:15	NETWORKING BREAK Please visit our vendors and exhibitors.			
	Closing Session - Grand Pavilion			
3:15 - 4:45	Harnessing Corporate Water Stewardship to Improve Watershed Health (Will Hewes, Amazon Web Services)			
	Drawing 3 for Vendor Challenge			
	Ice Cream Social			