Thursday

8:30 - 8:45 OPENING ~ Harry

8:45 - 9:45 Ohio EPA. Tiffani Kavalec, Josh Griffin

9:45 - 10:00 15 min Vendors

	ID#	Title	Speaker	Organization	ID#	Title	Speaker	Organization	ID#	Title	Speaker	Organization	ID#	Title	Speaker	Organization	ID#	Title	Speaker	Organization	ID#	Title	Speaker	Organization
	TRACK A ~ NILE Watershed Planning and Restoration				**TRACK B ~ ORANGE Monitoring, Inspection, and Maintenance**				**TRACK C ~ ALOESWOOD Stormwater Practices, BMPs, Planning and Design**				**TRACK D ~ ZEBRAWOOD Stormwater Retrofits**				**TRACK E ~ ZAMBEZI Roundtable**				**TRACK F ~ ROSEWOOD Industrial**		
10:00 - 11:00	100	Teamwork Makes the Stream Work: Construction Design/Build Perspectives	Christina Znidarsic	Davey Resource Group	34	Effects of Land Use on Urban Stormwater Quality and Quantity	Ian M. Simpson	Ohio State University	52	Irishtown Bend Stormwater and Green Bulkhead Design Challenges	Biljana Sverko	Osborn Engineering	69	Lancaster County Municipalities Implementing Stormwater Controls for Pollutant Reduction Credits	Kara Kalupson	RETTEW Associates	104	Ohio EPA	John Matthews, Jason Fyffe	Ohio EPA	10	Innovative uses of geospatial data processes improve Toledo's Stormwater Utility	Brian Stevens	Woolpert
	82	Beaver Dam Analogs as a Pollutant Removal Tool	Michael Thompson	Meadville Land Service																				
11:00 - 11:10	**10 Min Vendors**																**Modeling and Research**							
11:10 - 12:10	98	Stormwater Curriculum and Student Engagement in Restoration Planning	Scott Lenhart	Boardman Glenwood Junior High School	35	Fiscally Responsible and Better-than-Expected Stormwater Infrastructure using Sensor Systems	Joseph Diekfuss	P4 Infrastructure	49	Field Notes from Eagle Creek	Dave Gleason	Stantec	72	Smart Watershed Network Management - Cleaner Water, Healthier Communities	Dayton Marchese	OptiRTC	22	Flood Mitigation in a Canal Community	Alex Litofsky	OHM Advisors	11	Tips for figuring out Multi-State Industrial Stormwater Compliance	Nathan Collier	POWER Engineers, Inc.
	101	Uncovering Streams in Washington DC - A Citywide Daylight Study	Joe Arrowsmith	Straughan Environmental					59	Restoring Nature and Its Services to Urban Neighborhoods in Oregon,	Gregory A. Buhoveckey	The Mannik & Smith Group, Inc.	68	First Successes of the Trash Trap Program in Toledo	Edith Preciosa Kippenhan	City of Toledo, Division of Environmental Services	26	Stormwater Cost Analysis Comparison of Green Infrastructure versus Gray Infrastructure	MaryAnne Hejna	CT Consultants				
12:10 - 1:30	**Lunch + Vendors**																							
1:30 - 2:30	97	Save The Lake!!!...or Should We?: Balancing Science and Passion	Jeff Jowett	Northeast Ohio Regional Sewer District	28	A Tale of New Cities (and Engineers)	Jakob Hamlescher	Cuyahoga Soil & Water Conservation District	56	Rainwater and Land Development Manual: New and Updated Material	Justin Reinhart	Ohio EPA	67	Cost-Effective Stormwater Basin Retrofit Screening Tool for Northern Ohio	Bob Hawley	Sustainable Streams	25	Project Prioritization through Quantifiable Metrics	David Anderson	Stantec	12	Utility Federal Funding Update: American Rescue Plan and Infrastructure Act	Jeffrey P. Rowe	Baker Tilly Municipal Advisors, LLC
					29	Asset Management: Data-Driven Risk Assessments to Develop a Stormwater Program	Kelly Kuhbander	Strand Associates, Inc.	45	Can Biofilters Remove Phosphate and Grow Plants?	Andy Erickson	St. Anthony Falls Laboratory, Univ. of MN												
2:30 -2:40	**10 Min Vendors**																							
2:40 - 3:40	94	Restoration of Gorge Falls and the Cuyahoga River near Akron	Troy Naperala	AECOM	30	Case Study: Integrated Tools for BMP Inventory and Inspection Programs	Jessie Fears	Geosyntec Consultants	60	Stormwater Management Fails - Are You Making the Same Mistakes?	Carla Regener	Cuyahoga SWCD	73	Transforming a Utility into a Park: Morgan Street Reservoirs Revitalization	Kellie E Pike	Environmental Design Group	23	How Aerial Data Acquisition Enhances Municipal Stormwater Planning	Mark Delisio	CT Consultants	46	Capturing Sediment on the Go, Enabling Clean Water to Flow.	Corydon Coppola	Flo-Water
					42	When SWP3 Inspections Go Sideways	Chris Vasco	Cuyahoga SWCD	51	Implementing Stormwater Design on a Highly Complex and Unique Site	Laurel Christian	Strand Associates, Inc.	70	Predictive Weather Technology for Water Quality Benefits in Large-Scale Detention	Chris Rust	Strand Associates, Inc.								
3:40 - 4:00	**20 Min Vendors**												**Green Infrastructure**								**Transportation**			
4:00 - 5:30	87	From farmland to wetlands, restoration at the Redhorse Bend Preserve	Kevin Grieser	Biohabitats, Inc.	31	Conducting Stormwater BMP Inspections During the Pandemic	Saya Qualls-Hickey	Hazen and Sawyer	44	Adapting Our Design Approach for a Changing Climate	Danny Ketzer	Burgess & Niple	6	Moving beyond habitat analogs: Optimizing green roof ecosystem services	Anna Droz	Kent State University	27	Talking Trash	Phillip Taylor	Hydro International	75	ODOT Culvert Replacement Cost Benefit Analysis	Katie Nolan	Gresham Smith
	93	Putting the S back in Stream: Stream Restoration in Mentor	Josh Myers	Chagrin River Watershed Partners	37	How Technology is Evolving Stormwater Data Collection & Analysis	Rylan Farr	Apex Companies, LLC	47	Core Stormwater Management Strategies: Ohio & Beyond	John Swartzbaugh	Burgess & Niple	2	Embracing Stormwater Wetlands within Urban Neighborhoods	Scott Hostetler	Anser Advisory	24	Litter Data: Getting to the Root of the Problem	Jeff Kirschner	Litterati	76	ODOT Research – Soil Amendment for Stormwater Volume Reduction	Justin Kerns	ms consultants, inc.
	103	Win-Win! Opportunities and Benefits of Removing Dams to Restore Watersheds	Mark Pennell	Burgess & Niple	105	Stormwater and the Infrastructure Bill	Josh Herchl	ADS					3	Green Infrastructure In Lieu Fee	Ivan Valentic	GPD Group	71	Setting The Standard For Trash and Litter Capture	Mike Sheehan	StormTrap	77	ODOT Stormwater Management Program Update	Kathryn Gruver	HDR
5:30 - 7:30	**Reception**																							
Friday																	**Legal**							
8:15 - 9:15	89	Marco-Polo: Finding Funding to Combat Effects of Climate Change	Betsy Ehler	Burgess & Niple	36	GIS for MS4 Compliance at Lorain County Stormwater Management District	Mark Rufener	K.E. McCartney & Associates, Inc.	99	Stormwater Management Addresses Flooding and Challenging Geography While Building Partnerships	Kelly Kuhbander	Strand Associates, Inc.	4	Landscape Scale GI Maintenance, Lessons Learned from Cincinnati and Cleveland	Bekah Strait	Davey Resource Group	19	Ohio Water Law 101	Louis L. McMahon	McMahon DeGulis LLP	74	Bridging Waterway Challenges	Hans Gucker	Ohio Department of Transportation
					40	Integrated Permitting and Checklists for Effective MCM4 Administration	Chey Alberto	Hamilton County SWCD	63	Tree systems for sustainable stormwater management and healthy growth	Paul Iorio	StormTree					21	Water Law 102: Basic Legal Issues	Louis L. McMahon	McMahon DeGulis LLP				
9:15 - 9:45	**30 min Vendors**																							
9:45 - 10:45	88	GIS-based Data Management and Visualization for Regional Stormwater Management Planning	Sarah Fuller	Wade Trim	41	Water Quality: Steps for Understanding and Implementing an NPDES Monitoring	Juliana Morelli	POWER Engineers, inc.	48	Feeling Constrained by your Floodplain? Let's Stormwater Master Plan!	Tom Dietrich	Gresham Smith	9	Winter De-icing of Permeable Interlocking Concrete Compared to Asphalt	David R. Smith	Interlocking Concrete Pavement Institute	15	Legal Hot Topics and Headlines in Stormwater Management	Wendlene M. Lavey	McMahon DeGulis LLP	80	Sustainability and Resilience: The Key to Reducing Climate Change Impacts	Julie Buffenbarger	Beton Consulting Engineers
	92	Process-based Ecological Restoration – what does this mean for streams?	Suzanne Hoehne	Biohabitats									8	Planning Large GI Programs Using Automated Tools	Khaled Abdo	Arcadis	16	Legal Roundtable	Louis L. McMahon	McMahon DeGulis LLP	78	Performance of Undersized Sediment Basins with Varying Dewatering Times	Alec Grimm	The Ohio State University
10:45 - 11:00	**15 min Vendors**																							
11:00 - 12:00	96	Rise of the Clones: Unisexual Mole Salamanders in Restored Wetlands	Mike Benard	Case Western Reserve University	39	Innovative Approach to Agricultural Storm Water Runoff Sampling	John Hoffman	Alloway	53	NEPA for Beginners	Rick Fitch	Burgess & Niple	5	Low Impact Development & Green Infrastructure	Doug McCluskey	Everett J Prescott	14	Increasing Stormwater Resiliency Through Innovative Codes & Ordinances	Tom Batroney	AKRF	79	Scioto Peninsula, Columbus - Urban Stormwater Planning and BMP Implementation	Robert Ferguson	EMH&T
					33	Detection of the Novel Coronavirus in Urban Stormwater	Ryan Winston	Ohio State University	55	Performance Testing and Overview of an Innovative Biofiltration System	Derek M Berg	Contech Engineered Solutions LLC					17	Meeting PIPE Requirements of the Small MS4 General Permit	Sara Guiher	Toledo Metropolitan Area Council of Governments				
12:00 - 1:00	**Lunch**																							
1:00 - 2:00	86	Floodplain Wetlands Can Cost-effectively Reduce Nutrient Loads and Stream Erosion	Bob Hawley	Sustainable Streams, LLC	38	How to Identify and Resolve River Intrusion in Collection System	Julie Qiuli Lu	Arcadis	54	North Reservoir Dam Improvements - An Innovative Overtopping Solution	Pete Nix	Tetra Tech	1	2021 GSI Designer Survey--The Results	Rob Woodman	Ferguson Waterworks	20	The Municipal Toolbox: Tools and Legal Strategies for Stormwater Management	Louis L. McMahon	McMahon DeGulis LLP	81	Transportation Round table	Jon Prier	Ohio Department of Transportation
					32	Curving Concrete Pipe: What a Relief	Kevin Wojciechowski	GPD Group									18	Nutrients, Nutrients, Nutrients!	Wendlene M. Lavey	McMahon DeGulis LLP				
2:00 - 2:05	**5 min break/session transition**																				**Diversity, Equity, and Inclusion**			
2:05 - 3:05	83	Big Darby Creek, Watershed And Special Permit Conditions Overview	Wesley Sluga	Ohio EPA	66	Using Skimmers in Sediment Basins & Post Construction Stormwater Ponds	Brian Free	J.W. Faircloth & Son	43	A Fresh Look at an Existing Stormwater Issue	Taymour El-Hosseiny	HDR	95	Restoration Planning: Stormwater Parks in Urban Watersheds	Mark Delisio	CT Consultants	13	Conservancy Districts and Flood Reduction	John M. Hoopingarner	McMahon DeGulis LLP	91	No One Size Fit All in Diversity Equity & Inclusion	Kimberly M. Strong	City of Chattanooga Water Quality Program
									61	Stormwater Project Delivery in a Supply and Labor Challenged World	Michael Cook	Advanced Drainage Systems, Inc.	90	Next Generation Stormwater Master Planning	Matthew Jones	Hazen and Sawyer							