AGENDA | Day One
March 26, 2024

SOURCE to STREAM

	TRACK ONE - Hall A	TRACK TWO - Hall F
8:00 – 8:45 am	**REGISTRATION – MAIN LOBBY**	
8:45 – 9:00 am	**OPENING REMARKS**	**OPENING REMARKS**
9:00 – 10:00 am	**Philadelphia Green Infrastructure** Howard Neukrug (Case Environmental LLC)	**Naturalization of the Don River Mouth: A Component of the Port Lands Flood Protection Project, Toronto, ON** Ken Dion and Netami Stuart (Waterfront Toronto)
10:00 – 10:30 am	**What Line is it Anyway? Considerations for Climate Change and Stormwater Infrastructure in Floodplain Mapping** Shawna Chambers (City of London)	**Chedoke Creek Targeted Dredge Supporting Cootes Paradise Long-term Vision** Ron Scheckenberger (Scheckenberger and Associates Ltd.) and Tim Crowley (City of Hamilton)
10:30 – 11:00 am	**NETWORKING BREAK**	
11:00 – 11:30 am	**Stormwater Receiver Based Monitoring– A partnership between City of London and Upper Thames River Conservation Authority (UTRCA)** Adrienne Sones (City of London) and Laura Flynn (UTRCA)	**Managing Stormwater Ponds: A Comprehensive Approach to Fish 'Rescues'** Danny McIsaac (GEMS)
11:30 – 12:00 pm	**Assessing Impacts of Stormwater and Wastewater Inputs on Receiving Water Quality in a Rural Community: Lessons Learned from a Pilot Monitoring Program** Aisha Chiandet and Nikki Priestman (Severn Sound Environmental Association)	**Ecosystem Restoration in Urban Stream Management Corridors to Stimulate Mental Health Recovery and Community Revival** David Bidelspach (RiverSHARED)
12:00 – 1:15 pm	**LUNCH BUFFET (Seating located in halls B through E)**	

	TRACK ONE - Hall A	TRACK TWO - Hall F
1:15 – 1:45 pm	**Smart Blue Roof Implementation Project** James Cowan (CVC)	**Developing Stormwater Pond Sediment Accumulation Assessment Best Practices** David Lembcke (LSRCA)
1:45 – 2:15 pm	**Engineering Green Roofs for Stormwater Management** Karen Liu (Next Level SWM)	**An Urban Natural Channel Design Case Study: Converting Aging Concrete Infrastructure to a Natural Channel in Brampton** Jeremi Madsen (TRCA)
2:15 – 2:45 pm	**Performance Results of Two New Technologies for Mitigating Storm Sewer Flooding** Abe Mouaket and Kristina Hausmanis (City of Toronto)	**Can You Meet Numeric Turbidity Discharge Limits?** Seva Iwinski Bray (Applied Polymer Systems)
2:45 – 3:15 pm	**NETWORKING BREAK**	
3:15 – 3:45 pm	**Dry Pond Optimization Through Sub-surface Infiltration Facility Integration - KD03 (Barrie, ON)** Chris Denich (Aquafor Beech Ltd.) and Chandler Eves (LSRCA)	**Lessons Learned from the Highway 407 ETR – How Coal Tar Free Asphalt and Street Sweeping Practices could Minimize Municipal SWM Pond Sediment Removal and Disposal Costs** Francine Kelly-Hooper (GHD) and Jose Herrera (407 ETR)
3:45 – 4:15 pm	**Evaluating the effect of residential catchment maturity on phosphorus export coefficients in Ontario** Sheida Moin (LSRCA)	**Innovations in Circular Economy for Stream Restoration and Navigational Sediment Dredging Projects** Meggen Janes (Geosyntec) and Jeroen Van Den Berg (Netics BV)
4:15 – 6:30 pm	**NETWORKING RECEPTION**	

	TRACK ONE - Hall A	TRACK TWO - Hall F
8:00 – 9:00 am	REGISTRATION – MAIN LOBBY	
9:00 – 9:30 am	**Nature-Based Solutions as "Second Nature"** Joanna Eyquem (Intact Centre on Climate Adaptation, University of Waterloo)	**Resilience, Adaption to Climate Change and Natural Channel Design: Moving from Form-Based Design to Function-Based Design** Paul Villard (Geo Morphix Ltd.)
9:30 – 10:00 am		**Channel Design, Erosion Mitigation Measures and Implementation Approaches: Adaptive Management Since the 1990s** Mariëtte Pushkar, Chris Cummings, and Jeff Prince (Matrix Solutions)
10:00 – 10:30 am	**Green Rainwater Infrastructure Performance Monitoring in the City of Vancouver** Cassandra Humes (City of Vancouver)	**Effective Strategies for Addressing Massive Erosion and Slope Instability in Riverine Environments: Insights from Successful Projects in the GTA** Anna Paris and Santino Tersigni (Maccaferri Canada Ltd.)
10:30-11:00 am	NETWORKING BREAK	
11:00 – 11:30 am	**Leveraging Artificial Intelligence and Machine Learning for Aging Infrastructure** Marya Jetten (Jacobs)	**Constructing Streams – Changing Approaches and Lessons Learned from 10 years of Public Consultation** Heather Amirault (Stantec Consulting Inc.) and Sarah Anderson (City of Kitchener)
11:30 – 12:00 pm	**Data-Driven Stormwater Management for Climate Resilience (Using AI)** Abhijet Patel (WSP)	**Bats, Bats and More Bats! Stream Restoration and SWM Pond Rehabilitation Works under a Species-at-Risk Overall Benefit Permit** Robert Amos and Jacob Ursulak (Aquafor Beech Ltd.)
12:00 – 1:15 pm	LUNCH BUFFET (Seating located in halls B through E)	

	TRACK ONE - Hall A	TRACK TWO - Hall F
1:15 – 1:45 pm	**Underground Stormwater Management: Lessons Learned Through the Development of Policy, Procedure, and Standards for Non-Conventional Municipally Assumed Stormwater Management Facilities (SWMFs)** Rebecca Turbitt (Resilient Consulting Corporation) and Saad Yousaf (City of Vaughan)	**Effective Small-Scale Stream Restoration Techniques** Kat Lucas (Ontario Streams)
1:45 – 2:15 pm	**Orange Memorial Park Multi-Jurisdictional Storm Water Project, South San Francisco, CA** Linda Maley (Atlantis International Corporation Inc.)	**Key Elements of an Urban Geomorphic Systems Master Plan Environmental Assessment** Daniel McCreery and Devin Coone (City of Toronto)
2:15 – 2:45 pm	**Expanding Peel's Asset Management Program - Undertaking a Green Infrastructure Inventory and Condition Assessment on Region of Peel Properties** Alexandra Veglio (CVC) and Chris Despins (Region of Peel)	**Improving Habitat and Flood Resilience in a Natural Heritage Park OR Successes and Lessons Learned from 5 years of Monitoring Riverbank Bioengineering Projects in Calgary** Mike Gallant (Kerr Wood Leidal Associates Ltd.)
2:45 – 3:15 pm	**NETWORKING BREAK**	
3:15 – 3:45 pm	**Discovering the Value of Stormwater Green Infrastructure: Benefits, Costs, and Practical Implementation** Cassidy Morgan and Trevor Boston (Greenland Consulting Engineers)	**Reading the Reach: A Novel, Systematic, GIS-based Approach to Maintenance Hole Erosion Risk Mapping** Maximilian Ornat and Scott Cowan (Stantec Consulting Inc.)
3:45 – 4:15 pm	**Sustainability in Green Infrastructure Maintenance** Jen-Sion Tan (City of Toronto)	**Learning from LiDAR: Applications to Natural Channel Design** Robin McKillop (Palmer)