

TRIECA 2020 Webinar Series

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Date	Webinar / Presenter	Overview
Apr. 23 (12 - 1 p.m.)	MECP's New On-Site and Excess Soil Management Regulation Laura Blease, Ministry of Environment, Conservation and Parks	This webinar will highlight Ontario's new regulatory changes that will make it safer and easier for more excess soil to be reused locally.
Apr. 30 (12 - 1 p.m.)	New Success Stories on Stormwater Management Pond Sediment Reuse Approvals Francine Kelly-Hooper, Stantec Consulting Ltd. Aroni McCutcheon, Ontario Ministry of Transportation	This webinar will discuss how to obtain MECP approval for stormwater management (SWM) pond sediment reuse under the new 'Excess Soil regulation' and how changes in urban land use practices could increase SWM pond sediment reuse opportunities as cost effective and sustainable alternatives to landfill disposal.
May 7 (12 - 1 p.m.)	Application of Geotextiles in Civil Engineering Isabel Perez, Terrafix Geosynthetics Inc.	This webinar will provide a review of the four basic functions of geotextiles and the corresponding design criteria that are most critical to consider for those specific applications.
May 14 (12 - 1 p.m.)	Measuring Turbidity in Support of Erosion and Sediment Control Monitoring: When, Where, How, and Why? Paul Villard and Patrick Padovan, Geo Morphix Ltd.	This webinar will highlight examples of monitoring protocols taken from active construction sites and permanent stormwater facilities to showcase how the monitoring strategy can inform or bias our observations and interpretation of results.
May 21 (12 - 1 p.m.)	The Latest on ESC Standards and Related Research Brian Zupancic, Canadian Standards Association	This webinar will introduce the soon-to-be published ESC Installation and Maintenance standard, which is the follow up standard to CSA/W202-18, ESC Inspection and Monitoring.
May 28 (10 - 11 a.m.)	MECP's Stormwater Consolidated Permissions Framework Aziz Ahmed, Ministry of Environment, Conservation and Parks (MECP)	This webinar will address the benefits of the new ECA framework that will provide flexibility to the modification and installation of stormwater infrastructure in your area.
June 4 (12 - 1 p.m.)	A Method to Analyze Stormwater Controls and Meet MECP Criteria for New Development Edward Graham, Civica Infrastructure Inc.	This webinar will provide a case study of a municipality undergoing a Comprehensive Stormwater Management Master Plan (CSWM-MP).
June 11 (10 - 11 a.m.)	Subwatershed-Wide Environmental Compliance Approval (ECA) Pilot Project for Stormwater Infrastructure Shawna Chambers, City of London	This webinar will focus on how establishing a subwatershed-scale stormwater ECA will enhance transparency, collaboration, and adaptive management of the receiving system among all parties.
June 18 (12 - 1 p.m.)	Ground Source Cooling of Stormwater Pond Outflows: New Research on a Cost and Space Efficient Method to Mitigate the Thermal Impacts of Stormwater Ponds on Aquatic Life Tim Van Seters, Toronto and Region Conservation Authority (TRCA)	This webinar will review performance results from over 45 thermal mitigation projects in Ontario and presents data on two new techniques recently installed and monitored in Brampton, Ontario.
June 25 (12 - 1 p.m.)	Where Did All the Concrete Go? Michelle Letourneau and HT Lam, Savanta	This webinar will highlight lessons learned from landscape planting to reduce erosion and limit sediment transportation.
July 9 (10 - 11 a.m.)	Five Fundamentals for Successful Stabilization and Revegetation of Disturbed Land Sites – Recent Case Studies Derek Oosterhouse, Profile Products LLC	This webinar will highlight innovative technologies available to effectively address unique project variables dealing with challenging soils and various erosion risks.

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July 16 (12 - 1 p.m.)	An Integrated Geomorphic, Hydraulic, and Ecological Assessment of Dam Decommissioning Along the Thames River in London, Ontario, Canada Amanda McKay, Matrix Solutions Jillian Schmitter, Jacobs	This webinar will review the City of London's Environmental Assessment to determine the feasibility of implementing various infrastructure projects in conjunction with others, such as potentially decommissioning Springbank Dam.
July 23 (12 - 1 p.m.)	The LID Life-Cycle Costing Tool: How it Works, How to Use It, and How to Contribute to its Accuracy Kyle Vander Linden and Kyle Menken, Credit Valley Conservation (CVC)	This webinar will introduce participants to the Low Impact Development Life-Cycle Costing Tool (LID LCCT), an MS Excel based spreadsheet tool that allows users to generate cost estimates for several LID stormwater practices.
July 30 (12 - 1 p.m.)	The Onondaga County Save the Rain Program: 200 Completed Projects in 10 Years Lessons Learned and Success Stories Zachary Monge, Jacobs Adam Woodburn, Onondaga County Department of Water Environment Protection	This webinar will focus on the lessons learned and success stories from the construction of over 200 GI projects to date.
Aug. 13 (12 - 1 p.m.)	Taking a Communal "One Water" Approach to Retrofitting Existing Commercial and Industrial Lands in the Southdown District of Mississauga: Addressing Stormwater, Water Conservation, and Infiltration and Inflow Challenges Shannon Malloy and Asif Bhatti, Credit Valley Conservation (CVC)	This webinar will touch on the barriers that have prevented wide-scale uptake of low impact development (LID) of private property and focus on the technical aspects of the study and will explore the 'one water' approach that was used for defining existing conditions and developing conceptual designs.
Aug. 20 (12 - 1 p.m.)	Anionic PAM: Correct Usage and Application Seva Iwinski Bray, Applied Polymer Systems	This webinar will cover three major approaches to using polymer enhanced best management practices and will detail and illustrate the most common and effective polymer enhanced best management practices that have been quantified and proven effective.
Aug. 27 (12 - 1 p.m.)	Down to Earth: Overcoming Obstacles Specifying and Approving Soils for Use within LID Jen Young, Stantec Jaime Douglass, Jenkins Soil Mixtures	This webinar will introduce current specifications and examine how a qualified landscape professional mixes and tests amended soils.
Sept. 10 (12 - 1 p.m.)	Effect of Soil Type and Static versus Dynamic Design Approaches on LID Facility Size and Cost Matthew Wilson, City of Kitchener Josef Kardos, Jacobs	This webinar will examine the nonlinear relationship between LID sizing depth and average annual retention volume, and understand the effect of soil type on LID sizing depth and average annual retention volumes.
Sept. 17 (12 - 1 p.m.)	Performance of Mature Bioretention Jennifer Drake and Sylvie Spraakman, University of Toronto	This webinar will highlight the findings of recent investigations into the performance of Ontario bioretention cells and the maintenance practices that were implemented in various locations
Sept. 24 (12 - 1 p.m.)	Post Storm Monitoring: A Flood Risk Analysis Network (FRANK) Discussion Matt Johnston and David Gingerich, Toronto and Region Conservation Authority (TRCA)	This webinar will allow participants to understand how TRCA plans to utilize the latest technology to continue improving its erosion monitoring through 2020 and beyond.
Oct. 1 (12 - 1 p.m.)	Groundwater Sapping: An Under-appreciated Driver of Slope Instability with Important Implications for Erosion Control in the Valleys of Southern Ontario Robin McKillop, Palmer	This webinar will focus on how to recognize groundwater sapping and the contribution it has to slope instability and erosion within the valleys of southern Ontario.
Oct. 8 (12 - 1 p.m.)	The Ups and Downs of Using Wood in Stream Restoration Brad Fairley, 5 Smooth Stones Restoration Inc.	This webinar will highlight the value of using wood in stream restoration projects and why regulators should encourage designers to include wood in more designs.
Oct. 15 (12 - 1 p.m.)	New Standards Help Build Resiliency Against Flooding Lynn Barber and Paul Steenhof, Canadian Standards Association	This webinar will highlight two new CSA publications recently published that will help build resiliency against flooding through flood resilient design of new residential communities and through the data on extreme precipitation events that aids that design.
Oct. 22 (12 - 1 p.m.)	Green Infrastructure Standards Development and Soil Cell Evaluation Kristina Hausmanis and Niloufar Mohajerani, City of Toronto	This webinar will provide an overview of the City of Toronto's Green Streets program, the process that is underway for developing Green Infrastructure standards and why they are required.

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Oct. 29 (12 - 1 p.m.)	So, It Rained a Meter, Now What? William Hunt, North Carolina State University	This webinar will highlight how designers/engineers are tasked with the impossible: preventing large scale flooding.
Nov. 5 (12 - 1 p.m.)	Making Urban Landscapes more absorbent to Stormwater Through Higher Standards for Planting Soil Depth and Quality Dean Young, Toronto and Region Conservation Authority (TRCA)	This webinar presents findings from a three-year field monitoring study comparing the run-off characteristics of simulated lawn test plots receiving roof drainage, located at the Kortright Centre in Vaughan, Ontario.
Nov. 12 (12 - 1 p.m.)	Optimizing Your Temporary Sediment Basin Rich McLaughlin, North Carolina State University	This webinar will discuss all the design and maintenance factors needed to achieve the maximum sediment retention.
Nov. 19 (12 - 1 p.m.)	Skimmer Basins 101 Jamie McCutchen, Rymar Waterworks Innovations	This webinar will cover several topics related to skimmer basin design including, standards for determining the volume of sediment storage and technical guidance on how to model skimmers in stormwater modeling software packages.
Dec. 3 (12 - 1 p.m.)	Building Climate Change Resiliency in Intensifying Neighbourhoods Ron Scheckenberger, Wood Environment & Infrastructure Solutions Kristina Parker, Town of Oakville	This webinar will examine the approach used to build a Stormwater Management Master Plan that integrated flood control and stormwater drainage while improving and protecting both groundwater and surface water quality.
Dec. 10 (12 - 1 p.m.)	Climate Change: Current and Future Impacts on Erosive Rainfall in Calgary, Alberta Ben Ethier, City of Calgary	This webinar will highlight research conducted that explores how local erosive rainfall (R-values) in the City of Calgary has changed in the past 20 years, increasing by 2.14 times.
Dec. 17 (12 - 1 p.m.)	Dual-Benefit, Unique Approach for Lake Protection: Harvesting Stormwater Restores Shields Lake Olivia Sparrow and Jay Michels, Emmons & Olivier Resources Inc.	This webinar will address internal phosphorus loading from lake sediments with an alum treatment to flip the shallow lake from a turbid to a clear water state.

For more information about the TRIECA Annual Conference, hosted by Toronto and Region Conservation Authority and the Canadian Chapter of the International Erosion Control Association, please visit trica.com.

To view all registration options and in depth overviews for each scheduled webinar, please visit sustainabletechnologies.ca/trieca-2020-webinar-series.

Please direct any general inquiries to STEP@trca.ca.