



# CHANGING CLIMATES: Our Watershed Moment

## 2023 Program

October 23-24, 2023  
Royal Botanical Gardens, Burlington



## CHAIR'S WELCOME MESSAGE

Welcome back to the 28th Latornell Conservation Symposium, hosted for the second year at the beautiful Royal Botanical Gardens! This year's theme, 'Changing Climates: Our Watershed Moment,' captures the urgency of our time. Recent dramatic flooding and devastating wildfires across the country underscore that climate change is a pressing issue, not a future one. We conservation practitioners know the work that needs doing. The real challenge lies in navigating a shifting landscape of politics, funding, and bureaucracy to meet our environmental objectives. And when we speak of a 'watershed moment,' we mean a pivotal turning point—a test or an opportunity. Through this year's theme, we challenge you to consider what's crucial in your work and how to prioritize it, and discover with us how we can address systemic issues that cross jurisdictions, disciplines, and cultures. We've curated sessions exploring these themes, featuring streams on program transformation, nature-based solutions, and equity and inclusion, along with our other long-standing topics.

We've listened to your feedback and planned more field trips and workshops. We've also allocated more time for networking so you can catch up with colleagues. I'm thrilled to share that the grant program is back, offering six attendees free registration and accommodation, and thanks to generous funding from TD Friends of the Environment, we're able to continue supporting Indigenous participation.

Come ready to debate, discuss, and dissect our work, starting with a keynote luncheon on Monday with featured speaker Dr. Henry Lickers. Leave with renewed focus as we navigate a shifting landscape together!

**Jamie Joudrey**, Chair, 2023 Latornell Symposium



## SYMPOSIUM CO-HOSTS



UNIVERSITY  
of GUELPH

## SYMPOSIUM MANAGEMENT

**Chair:** [Jamie Joudrey](#), Ontario Heritage Trust

**Vice Chair:** [Kata Bavrlic](#), Credit Valley Conservation

**Secretary:** [Charlotte Potter](#), University of Guelph

**Symposium Coordinators:** [Karen Anderson](#) and [Mario Maillet](#), Allset Inc.

**Conservation Ontario Representatives:** [Lauren McPherson](#) and [Nekeisha Mohammed](#)

## STEERING COMMITTEE

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[Elizabeth VanHooren](#), Kettle Creek Conservation Authority

[April Wepler](#), Canadian Environmental Law Association

# PROGRAM AT A GLANCE

Day 1 – Monday, October 23			
11:30 AM 1:00 PM	<b>Opening Ceremonies and Smudging by Elder Garry Sault</b> <b>Luncheon with Keynote Speaker Henry Lickers, International Joint Commission</b> Luncheon sponsored by Beacon Environmental and Planning Intelligence Group		
1:30 PM 5:00 PM	<b>Field Trips / Site Tours &amp; Workshops</b>		
5:00 PM 7:00 PM	<b>Networking Event and Student Poster Competition</b> Networking Event sponsored by Planning Intelligence Group		
Day 2 – Tuesday, October 24			
8:30 AM 10:00 AM	<b>Concurrent Sessions (1A – 1E)</b>	Watershed Management [Session 1A] Natural Heritage [Session 1B] Nature Based Solutions [Session 1C]	Program Transformation [Session 1D] Equity and Inclusion [Session 1E]
10:00 AM 10:30 AM	<b>Refreshment Break</b> <b>Networking Time with Exhibitors</b>		
10:30 AM 12:00 PM	<b>Concurrent Sessions (2A – 2E)</b>	Watershed Management [Session 2A] Natural Heritage [Session 2B]	Nature Based Solutions [Session 2C] Equity and Inclusion [Session 2E]
12:00 PM 1:30 PM	<b>Luncheon &amp; Networking Break</b> Luncheon sponsored by Beacon Environmental and Planning Intelligence Group		
1:30 PM 3:00 PM	<b>Concurrent Sessions (3A – 3E)</b>	Watershed Management [Session 3A] Natural Heritage [Session 3B]	Nature Based Solutions [Session 3C] Equity and Inclusion [Session 3E]
3:00 PM 3:30 PM	<b>Refreshment Break</b> <b>Networking Time with Exhibitors</b>		
3:30 PM 5:00 PM	<b>Concurrent Sessions (4A – 4E)</b>	Watershed Management [Session 4A] Natural Heritage [Session 4B] Nature Based Solutions [Session 4C]	Program Transformation [Session 4D] Equity and Inclusion [Session 4E]

## MEET THE STUDENT MODERATORS

Being a student moderator at the Latornell Symposium is a highly competitive position. It is an excellent opportunity for post-secondary students to practice public speaking, interact with a diverse group of conservation-minded individuals, and attend an extensive range of presentations by industry leading experts.

Guided by Charlotte Potter, our student moderators will play an instrumental role in the success of the Symposium and the Steering Committee is honoured to be working with them.

### 2023 Student Moderators

[Fatima Ahmed](#), Toronto Metropolitan University

[Emdadul \(Ashik\) Amin](#), York University

[Kimberly Bell](#), University of Guelph

[Olivia Forrest](#), University of Toronto

[Alissa Gallizzi](#), York University

[S M Shabab Islam](#), Carleton University

[Renée Kolentine](#), University of Toronto

[Kiana Lee](#), Western University

[Nikki Lobsinger](#), University of Waterloo

[Bethany Helaine Poltl](#), University of Waterloo

[Owen Wilson](#), Simon Fraser University

## MONDAY LUNCHEON KEYNOTE SPEAKER

**Commissioner Henry Lickers, International Joint Commission**

Dr. Henry Lickers is a Haudenosaunee citizen of the Seneca Nation, Turtle Clan. In 2019, Dr. Lickers was appointed by the Government of Canada to the International Joint Commission (IJC), a Canada-U.S. treaty organization which assists the governments of both countries in caring for waters shared along the boundary.

Before he was appointed Commissioner, Dr. Lickers was a longstanding member of the IJC's Great Lakes Science Advisory Board and served for over 40 years in scientific and management roles with the Mohawk Council of Akwesasne's Department of the Environment.

Dr. Lickers has dedicated his life to caring for the environment and all it sustains, lending his expertise to numerous regional, national, and international projects. He was the principal investigator for the ground-breaking EAGLE (Effects on Aboriginals from the Great Lakes Environment) multi-disciplinary project. Many have recognized his environmental leadership and passionate advocacy for incorporating Indigenous people and knowledge into planning and decision-making, including the Assembly of First Nations and the governments of Canada and the United States. In 2008, Dr. Lickers received the Sandford Fleming Medal from the Royal Canadian Institute for Science, and in 2014 he was awarded an Honorary Doctor of Science Degree from the State University of New York Syracuse.



## MONDAY NETWORKING RECEPTION | 5:00 - 7:00 PM

Two events are taking place simultaneously during the annual Networking Event.

Join us for the annual **Exhibitors' Networking Reception** in the McQueston Theatre and the upstairs Mezzanine. It's the perfect chance to chat with exhibitors and discover the latest technologies and tools they offer. And while you're there, don't miss the RBG's turtle exhibit in the Mezzanine.

Don't miss your chance to be the judge in our **Student Poster Competition**. Engage with students who are eager to answer your questions and share their research. Students will be present and ready to take your questions. It is your opportunity to check out what our future conservationists are working on and showcasing their research.

Light snacks are provided during the Networking Reception, along with a cash bar.

## LATORNELL CONSERVATION SYMPOSIUM GRANT

The Latornell Conservation Symposium Grant was established in memory of Art Latornell to support students and active members of the conservation community so that they may attend this popular event. Funding this program in the past to support the grants were raised through the Symposium's Dream Auction and a Card Draw for Ontario VQA wine and craft beer. This year, we have resurrected the Ontario Wine Card Draw.

Since 2002, a total of 337 people have received a grant. Applicants must be a student (college or university) or affiliated with an Ontario not-for-profit/community conservation organization either as an employee or volunteer. Recipients receive complimentary registration and accommodations.

Individuals interested in applying for a 2024 Symposium grant are encouraged to do so at: [www.latornell.ca/grants](http://www.latornell.ca/grants). The 2024 application is slated to open next spring.

# MONDAY STUDENT POSTER COMPETITION | 5:00 - 7:00 PM

Get a front-row seat to innovation at the Latornell Conservation Symposium, where you'll find original research projects from our universities and colleges. Swing by the student posters, share your thoughts, and cast your vote. The top three presentations win cash prizes of \$500, \$300, and \$200. The winners will be announced during Tuesday's luncheon.

This year, a total of 9 presenters are featured. They include:

Name	School	Poster Title
<b>Fatima Ahmed</b>	Toronto Metropolitan University	Analyzing the Potential of Wastewater Microorganisms to Degrade Microplastics in the form of Synthetic Microfibers
<b>Kimberly Bell &amp; Ferdous Huq</b>	University of Guelph	Comparative Analysis of Urgency in Flood Risk Mitigation
<b>Sabrina Jivani</b>	Western University	Phosphorus Exports from a Cold Climate Urban Watershed: Combined Field and Modeling Study
<b>Ceilidh Mackie</b>	University of Guelph	Groundwater Chloride in the Great Lakes Basin: Geospatial Insights and Follow-up Field Research in a Hot Spot Area
<b>Matthew Morrison</b>	University of Waterloo	Impact of Research Attention on the IUCN Red List Status of Cetaceans, Carnivorans, and Primates
<b>Christine Nielsen</b>	University of Waterloo	Phosphorus cycling by stream biofilms exposed to continuous and episodic phosphorus loads
<b>Thiruni Thirimanne</b>	University of Waterloo	Assessing Erosion Risk in Urban Watersheds: A Stream Power-Based Approach with SPINpy 1
<b>Joshua Toor</b>	University of Guelph	The Effect of Lot-Specific Conditions on Urban Flooding Mechanisms: Application of a Novel Physical Modelling Method
<b>Rebecca Van Massenhoven</b>	Brock University	Multi-Level Governance in the Niagara Region: A Case Study of Lyons Creek East, Welland Ontario

## TUESDAY WINE DRAW - HELP SUPPORT OUR GRANT PROGRAM

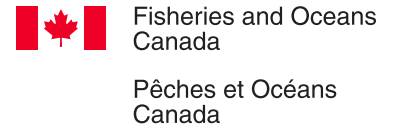
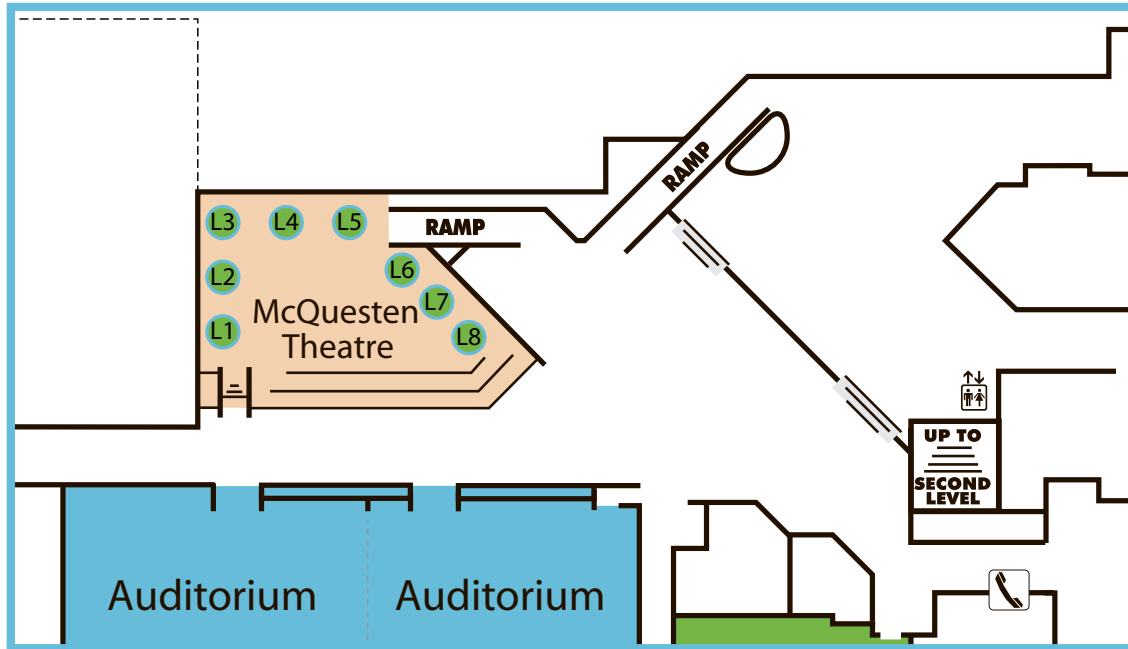
Want to win a case of Ontario VQA Wine? We have resurrected our famous Wine Card Draw which enables us to offer registration and accommodation for next year's Grant Program Recipients. Each symposium committee member has donated a bottle of Ontario VQA Wine and all proceeds from the Card Draw will go towards Latornell's Grant Program.



**A limited number of tickets will be available during the Tuesday Luncheon.** Tickets will be \$10 each or 3 for \$20 - **cash only**. During the luncheon, an announcement will be made commencing the sale of tickets. We will have helpers throughout the auditorium selling the tickets. The draw will take place at the end of the luncheon.

# THANK YOU TO OUR PARTNERS

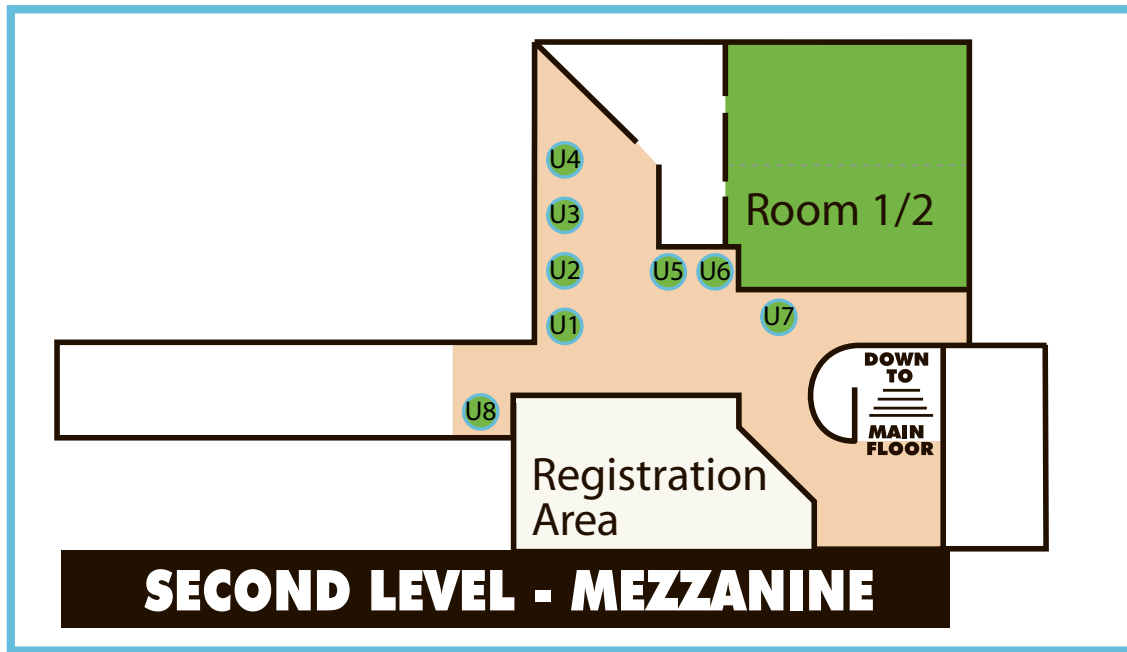
## GOLD LEVEL SPONSORS (MCQUESTEN THEATRE EXHIBITORS)



## SILVER LEVEL SPONSORS



# GOLD LEVEL SPONSORS (MEZZANINE EXHIBITORS)



Young Conservation Professionals



Invasive Species Centre



Royal Botanical Gardens CANADA

**INDIGENOUS PARTICIPATION**

**LUNCHEONS**

**NETWORKING**



**TD Friends of the Environment Foundation**



**PLANNING INTELLIGENCE GROUP**



## Day 2 - Session 1 | 8:30 AM - 10:00 AM

Watershed Management	Natural Heritage	Nature Based Solutions	Program Transformation	Equity and Inclusion
1A - Auditorium	1B - Rooms 1 & 2	1C - Café Annex	1D - Rooms 3 & 4	1E - Room 5
<p><b>Watershed Planning</b></p> <p>Watershed Planning requires collaboration and input from a diversity of stakeholders and is most successful when used as a proactive planning tool. This session will start out with an overview of current planning policy in Ontario and a review of how we ended up where we are, followed by case studies from both the municipal and Conservation Authority perspectives.</p> <p><b>How Did We Get Here? Evolution of Environmental Planning Policy in Ontario</b>  <b>Chris Jones</b>                      (Central Lake Ontario Conservation Authority)</p> <p><b>Complete Corridors: Moving Water, Wildlife and People</b>  <b>Shawna Chambers</b>                      (City of London)</p> <p><b>Integrated Watershed Planning for Etobicoke Creek in the Face of Changing Land Use and Climate: Building Science-Based Action Plan through Strong Partnerships</b>  <b>Namrata Shrestha and Melanie Randolph</b>                      (Toronto and Region Conservation Authority)</p>	<p><b>Restoring Habitat for Species at Risk</b></p> <p>Successful habitat restoration for Species at Risk relies on numerous factors, including identifying appropriate locations, removing threats, and providing long-term protection. This session will include three case studies that review threat assessment and prioritization, habitat monitoring to inform rehabilitation plans, and the potential for compensation-based restoration.</p> <p><b>An Aquatic Species at Risk Threat Assessment and Prioritization Exercise for the Lower Thames Valley Conservation Authority Watershed</b>  <b>Vicki McKay</b>                      (Lower Thames Valley Conservation Authority)</p> <p><b>Jefferson Salamander Habitat Rehabilitation and Ecopassage Project</b>  <b>Madeline Michaud</b>                      (Ontario Streams)</p> <p><b>Recovery of the Kirtland's Warbler and the Applicability of Compensation-based Restoration Efforts</b>  <b>Laura Williamson</b>                      (GEI Consultants)</p>	<p><b>Nature Based Solutions Uncovered: Case Studies and Research</b></p> <p>Learn from agencies that are pushing nature based solutions past rain gardens and green roofs. New initiatives are advancing our understanding of ecosystem carbon sequestration rates, how carbon offsetting can support climate mitigation, and how Low Impact Development (LID) and small wetlands can be solutions to water quality and quantity issues. Research and lessons learned will be shared.</p> <p><b>Carbon Offsetting for Corporate Climate Change Mitigation: Case Study in the Credit River Watershed</b>  <b>Yvette Roy</b>                      (Credit Valley Conservation)</p> <p><b>Measuring Carbon Sequestration Rates in Various Ecosystem Types</b>  <b>Kaitlyn Read</b>                      (Lake Simcoe Region Conservation Authority)</p> <p><b>Modelling and Costing Lid Treatment Trains with the Lid Ttt v2.0</b>  <b>Yuestas David and Alexis Maglalang</b>                      (Toronto and Region Conservation Authority)</p>	<p><b>The Path Forward</b></p> <p>Successful programs are adaptive, continually evolving to address environmental, social and political change, as well as creatively bringing partners together to plan, implement, and evaluate efforts for long-term success. This session will explore case studies of how some natural heritage, land use planning and watershed management programs are evolving to remain relevant and successful in the face of change.</p> <p><b>Where Do We Go from Here? Creating Natural Heritage Standards &amp; Accountability</b>  <b>Kristen Harrison</b>                      (North-South Environmental Inc.)  <b>and Steve Hill</b>                      (Dougan and Associates)</p> <p><b>Evolving a Watershed Planning Program to Address Policy Gaps and Capitalize on Opportunities</b>  <b>Bill Thompson and Pamela Strong</b>                      (Lake Simcoe Region Conservation Authority)</p> <p><b>Beyond Delisting in Severn Sound – How Do Things Look 20 Years after the Party Is Over?</b>  <b>Aisha Chiandet</b>                      (Severn Sound Environmental Association)  <b>and Nolan Pearce</b>                      (Trent University)</p> <p><b>District of Muskoka Environmental Programs and Partnerships</b>  <b>Alana Perez and Lauren Valliere</b>                      (District Municipality of Muskoka)</p>	<p><b>Building Relationships to Strengthen Environmental Outcomes</b></p> <p>Collaboration and relationship building is key to achieving successful outcomes for the environment. On a foundation of strong relationships, we can share expertise, challenge perspectives, and learn new techniques to support our shared environmental objectives. Join the Bagida'waad Alliance for a panel discussion on their work collaborating to heal relationships with people and all living beings. This interactive panel discussion will highlight the Alliance's work engaging community members and Anishinaabe youth in land and water-based learning, including species at risk monitoring and habitat restoration, all while promoting the health of the people and Mother Earth and learning between generations.</p> <p><b>Panel: Mino-izhiwebad – It's a Good Thing Happening</b>  <b>Natasha Akiwenzie, Christopher Akiwenzie, Victoria Serda</b>                      (Bagida'waad Alliance),  <b>and Nick Assad</b>                      (Affinity Habitat Studio)</p>



## Day 2 - Session 2 | 10:30 AM - 12:00 PM

Watershed Management	Natural Heritage	Nature Based Solutions	Equity and Inclusion
2A - Rooms 1 & 2	2B - Café Annex	2C - Rooms 3 & 4	2E - Room 5
<p><b>Stormwater and Flood Management</b></p> <p>A changing climate will challenge the way water managers monitor, model, forecast and respond to flooding. Hear presentations on what is being done and the current state of practice for stormwater and flood management and how organizations can manage the risks associated with climate change.</p> <p><b>How to Help Canadians Better Adapt to Extreme Climate</b>  <b>Anabela Bonada</b>            (Intact Centre on Climate Adaptation, University of Waterloo)</p> <p><b>Improvement of Flow Estimation Using Hydraulic Modelling</b>  <b>Derrick Beach</b>            (Environment and Climate Change Canada)</p> <p><b>Essex Region Floodplain Prioritization Study</b>  <b>Aryn Cain</b>            (Dillon Consulting Limited)</p>	<p><b>Road Ecology – Approaches to Restoring Landscape Connectivity</b></p> <p>Human-made infrastructure can significantly fragment habitat, which in turn detrimentally impacts wildlife by restricting movement across the landscape. Roads can result in mortality from collisions with vehicles and can limit access to resources and habitat. Some of these impacts can be mitigated through the design and implementation of infrastructure projects that facilitate safe wildlife passage. To determine the necessary design elements, collaboration with many partners can provide input on priority locations to improve landscape connectivity and reduce wildlife mortality while also improving motorist safety.</p> <p><b>Prioritizing Fish and Wildlife Passage at Bridges and Culverts</b>  <b>Erika Nardone</b>            (Credit Valley Conservation)</p> <p><b>Collaborating across Watersheds and Organizations to Mitigate Wildlife Road Mortality in Leeds &amp; Grenville</b>  <b>Katie Black</b>            (Blazing Star)</p> <p><b>Identifying Priority Areas for Mitigating Wildlife Vehicle Collisions in Nova Scotia</b>  <b>Rachel Pigden</b>            (University of Guelph)</p>	<p><b>Shoreline Applications</b></p> <p>Shoreline Erosion and flooding is increasing in frequency and intensity, but nature-based solutions can offer a first line of defense. Large municipalities and individual landowners can rebuild natural systems that work to reduce the effects of damaging waves.</p> <p><b>Live Staking along the Lake Huron Shoreline</b>  <b>Becky Adams</b>            (B.M. Ross and Associates Limited)</p> <p><b>Peche Island Erosion Mitigation and Habitat Creation</b>  <b>Kevin Money</b>            (Essex Region Conservation Authority)</p> <p><b>How Can Nature-based Solutions and Technology Help Municipalities and Shoreline Property Owners Protect their Freshwater?</b>  <b>Chloe Lajoie</b>            (Watersheds Canada)</p>	<p><b>Exploring Indigenous Approaches to Conservation</b></p> <p>Protecting and conserving our natural environment requires a holistic approach that prioritizes a relationship with the land, rather than the use of the land. Join the Indigenous-led Mno Aki Land Trust, Protect the Tract and Water Watchers for a discussion on alternative approaches to conservation, which focus on building strong relationships with the land and leveraging the power of people to protect our common heritage of healthy lands and waters.</p> <p><b>Mno Aki Indigenous Land Trust</b>  <b>Rebecca Big Canoe</b>            (Mno Aki Land Trust)</p> <p><b>Grassroots Advocacy: Leveraging People Power for Water and Beyond</b>  <b>Arlene Slocombe</b>            (Water Watchers)  <b>and Courtney Skye</b>            (Protect the Tract)</p>

### Did You Know? We Want Your Feedback

The organizers of the Latornell Conservation Symposium strive to provide participants with the best possible event as possible. In order to do so, we need your input!

Following the Symposium, a survey link will be sent to delegates. Share your thoughts and contact information with us and you will be entered into a draw to win a prize.

Look out for our upcoming survey--we're eager to hear from you!

## Day 2 - Session 3 | 1:30 PM - 3:00 PM

Watershed Management	Natural Heritage	Nature Based Solutions	Equity and Inclusion
3A - Café Annex	3B - Room 5	3C - Rooms 1 & 2	3E - Rooms 3 & 4
<p><b>Source Water Protection and Water Quality</b></p> <p>See the different ways in which drinking water sources are being protected in Ontario. The presentations will highlight best management practices and examples of protecting both surface water and groundwater in a variety of urban and rural geographies. Hear about the roles that municipalities and citizens can play in source water protection now and into the future.</p> <p><b>Using a Community-Engagement Approach for Co-developing Private Water Well Best Management Awareness and Education Materials.</b>  <a href="#">Dr. Sheri Longboat and Dr. Hugh Simpson</a>            (University of Guelph)</p> <p><b>Improving the Quality of the Grand River by Optimizing Wastewater Treatment</b>  <a href="#">Simion Tolnai</a>            (Grand River Conservation Authority)</p> <p><b>ONFARM: Researching Agricultural Beneficial Management Practices at the Nexus of Soil Health, Water Quality, and Climate Change Adaptation</b>  <a href="#">James Cober</a>            (Ontario Soil and Crop Improvement Association)</p>	<p><b>Natural Heritage Systems</b></p> <p>Natural systems exist on landscapes and require long-term protection and management to provide the land base necessary to support human and ecological health. In Ontario, natural system policies at various scales from super-regional, regional, watershed, subwatershed and local provide directions to protect areas of natural heritage, hydrologic and/or landform features, which are often functionally inter-related and which collectively provide essential ecosystem services, including water storage and filtration, cleaner air, habitat, support for pollinators, carbon storage and resilience to climate change. The following presentations discuss system approaches to natural heritage.</p> <p><b>Evolution of York Regions Greening Strategy – 20 Years in the Making</b>  <a href="#">Kyle Heeley</a>            (York Region)</p> <p><b>A Near Urban Nature Network for Southern Ontario: Landscape Approaches that Protect Biodiversity, Enhance Ecological Connectivity of Natural Heritage Systems and Recognize Indigenous Rights</b>  <a href="#">Shelley Petrie</a>            (Greenbelt Foundation, member of the Southern Ontario Nature Coalition)            and <a href="#">Kassandra McKeown</a>            (Cambium Indigenous Professional Services, member of the Southern Ontario Nature Coalition)</p> <p><b>Providing Resiliency: Smithville's Natural Heritage System</b>  <a href="#">Katharina Richter</a>            (Natural Resource Solutions)</p>	<p><b>Innovative Case Studies: Finding Nature Based Solutions Everywhere (Or the Most Unlikely Spots)</b></p> <p>Nature provides unlimited cost-effective solutions that simultaneously counter the effects of climate change and support biodiversity in rural and urban spaces. In this session, speakers will share innovative case studies and the strong partnerships, program methodologies, training opportunities and lessons learned that have made them successful. From urban right-of-ways to rehabilitated aggregate pits to school ground gardens, we will examine the opportunities for nature based solutions in the most likely and unlikely spots!</p> <p><b>Mini-Forests: Growing Urban Forests Fast</b>  <a href="#">Heather Schibli</a>            (Dougan &amp; Associates/Network of Nature)</p> <p><b>The Past Paves Way to the Future</b>  <a href="#">Danielle Solondz</a>            (The Ontario Aggregate Resource Corporation)</p> <p><b>Students for Stormwater: How to Build Rain Gardens at Schools</b>  <a href="#">Kyle Menken</a>            (Credit Valley Conservation)</p>	<p><b>Breaking Down Barriers to Inclusion and Access to Nature</b></p> <p>What happens when nature is not accessible to everyone, and the impacts of climate change are not equally felt? How are some communities bearing the weight of our collective actions, and in the process, also being left out of enjoying nature and participating in the environmental sector? In this session, four organizations will speak to tools and approaches to ensuring that nature and the environmental sector is accessible to everyone!</p> <p><b>Equity and the Climate Crisis: Addressing the Disproportionate Impacts of Climate Change on Vulnerable Communities</b>  <a href="#">Jacqueline Wilson</a>            (Canadian Environmental Law Association)</p> <p><b>Simplifying Climate Change for Newcomers in our Watersheds</b>  <a href="#">Ashoo Anand</a>            (Credit Valley Conservation)</p> <p><b>Increasing Access to Fieldwork for BIPOC Undergraduate Students</b>  <a href="#">Mariel Terebiznik and Aranya Iyer</a>            (Field Research in Ecology and Evolution Diversified)</p> <p><b>Making Conservation Areas More Accessible</b>  <a href="#">Sommer Casgrain-Robertson</a>            (Rideau Valley Conservation Authority)</p>

### Join the Conversation

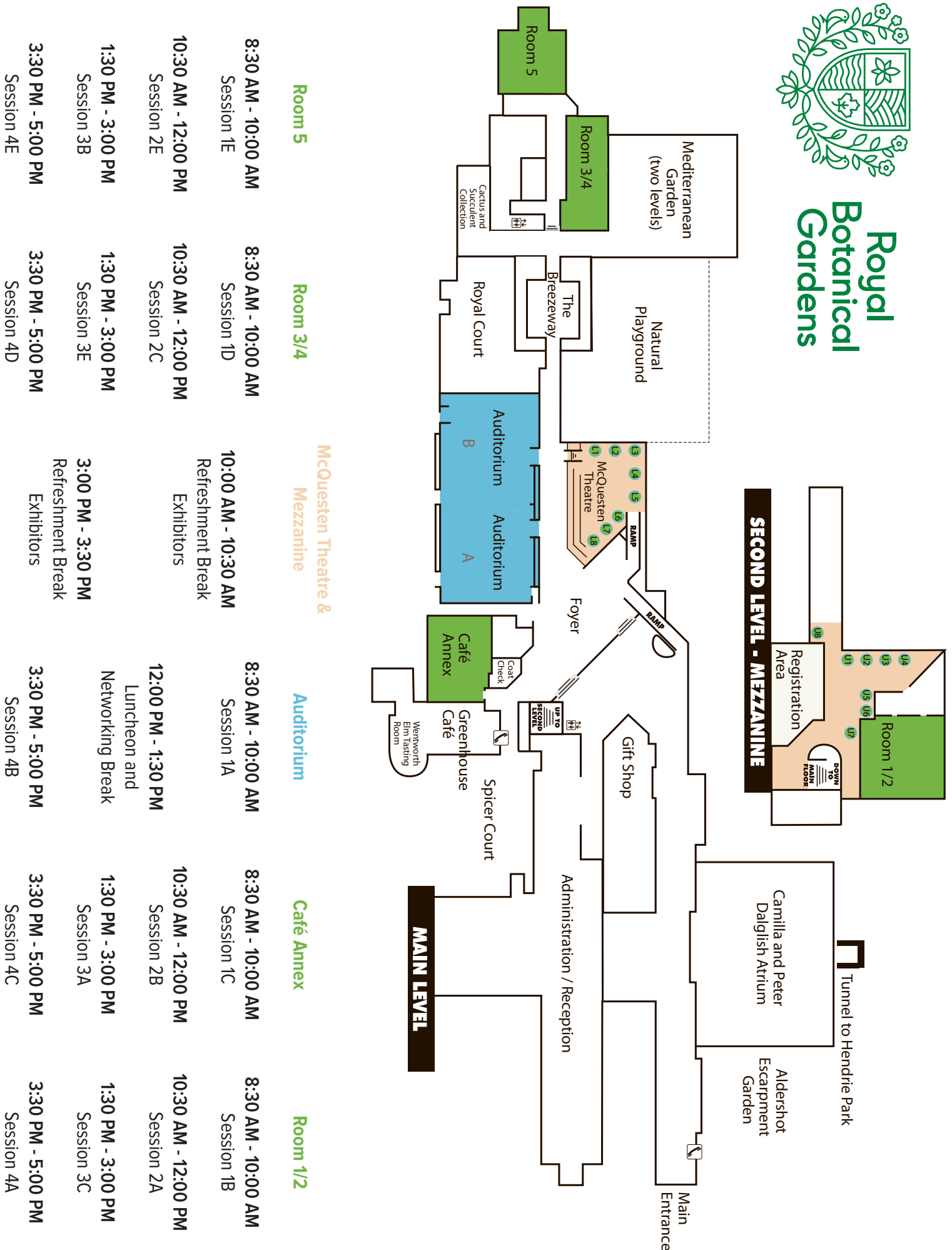
If you want to join the Twitter conversation, follow our Twitter feed @ADLatornell and add the hashtag #latornell to your tweets.

## Day 2 - Session 4 | 3:30 PM - 5:00 PM

Watershed Management	Natural Heritage	Nature Based Solutions	Program Transformation	Equity and Inclusion
4A - Rooms 1 & 2	4B - Auditorium	4C - Café Annex	4D - Rooms 3 & 4	4E - Room 5
<p><b>Data and Technology in Watershed Management</b></p> <p>Big data. Open-source. Machine learning. These are all terms that are becoming more and more familiar in society. How can these technological advancements be used by watershed managers to improve monitoring networks, develop and implement cost-effective monitoring plans and advance collaboration? This session will focus on new advancements in data and technology and showcase some exciting opportunities and applications for watershed management organizations.</p> <p><b>Introducing Great Lakes Datastream – An Open Access Platform for Sharing Water Quality Data</b>  <b>Meghan McLeod</b>            (Data Stream, the Gordon Foundation)</p> <p><b>Developing an Open-Source Arduino-Based Datalogger for Hydrometric Monitoring: A Case Study</b>  <b>Callum Anderson and Daniel Post</b>            (Mississippi Valley Conservation Authority)</p> <p><b>Muskoka River Watershed Natural Capital Characterization</b>  <b>Steve Hill</b>            (Dougan and Associates)</p>	<p><b>Systems Approach to Conservation</b></p> <p>The scope and magnitude of many conservation issues requires thinking beyond the site-specific level, and focussing on the broader landscape. This approach can benefit multiple species by focussing efforts in areas with high biodiversity, and can build off of partnerships to work towards common goals. This session will examine examples of applying priority threat management to maximize benefits for biodiversity and climate in Ontario, identifying key biodiversity areas in Ontario where conservation efforts can be most effective, and reviewing measures of success in large-scale restoration efforts in an urban ecological corridor.</p> <p><b>Identifying Ontario’s Key Biodiversity Areas to Support Conservation</b>  <b>Robyn Rumney and Peter Soroye</b>            (Wildlife Conservation Society Canada)</p> <p><b>Applying Priority Threat Management to Maximize Benefits for Biodiversity and Climate in Ontario</b>  <b>Emily Giles</b>            (WWF-Canada)</p> <p><b>Natural Environmental Systems</b>  <b>Shannon Catton and Kristen Harrison</b>            (North-South Environmental)</p>	<p><b>Accelerating Nature Based Solutions Through Partnerships</b></p> <p>Creating partnerships and collaborating with other organizations and the community is a great tool to discover new ways to implement nature-based solutions. In this session, we will learn about various partnerships that have formed to develop and pilot new technologies and implement research methods to support nature-based solutions.</p> <p><b>Connecting People to the Natural Heritage of Familiar Places Using Augmented Reality: The Dundas Driving Park AR Tree Tour as a Case Study</b>  <b>Steve Hill</b>            (Dougan and Associates)</p> <p><b>The BMP Bandwagon? Supportive Learning for Nature-Based Solutions in Agricultural Land Management</b>  <b>Heather White</b>            (University of Guelph)</p> <p><b>Using Wetlands to “Flatten the Hydrograph”</b>  <b>Micheal Williams and Pascal Badiou</b>            (Ducks Unlimited)</p>	<p><b>Innovative Partnerships</b></p> <p>Conservation Authorities have a long history of developing watershed plans that assess current conditions, evaluate stressors, and recommend action to maintain and improve watershed health. Implementation of watershed plans requires committed partners and collaboration. This session highlights the value of partnerships and innovative solutions in watershed management.</p> <p><b>Integrated Monitoring of Stormwater and Stream Health in the Dingman Creek Subwatershed – A Partnership between City of London and Upper Thames River Conservation Authority</b>  <b>Laura Flynn</b>            (Upper Thames River Conservation Authority)  <b>and Adrienne Sones</b>            (City of London)</p> <p><b>Water as Final Resting Places: Partnerships with Faith-Based Organizations for Culturally and Environmentally Sensitive Dispersal of Funeral Ashes</b>  <b>Victoria Kramkowski</b>            (Toronto and Region Conservation Authority)</p> <p><b>Cover Crop Peer-to-Peer Learning Pilot</b>  <b>Elizabeth Huber-Kidby</b>            (Maitland Valley Conservation Authority)  <b>and Paige Allen</b>            (Ontario Soil Network)</p>	<p><b>Innovation as a Path to Reconciliation</b></p> <p>At Carolinian Canada, we are creating ethical and safe spaces to respect and appreciate many worldviews. Samantha Whiteye, Director of Indigenous Leadership, and Amy Hall, Manager of Ecosystem Recovery will lead this session and share stories, steps, and supports to build relationships between Indigenous and non-Indigenous participants in our programs. One of our key programs is the Conservation Impact Bond. This award-winning initiative has built bridges between First Nations and conservation organizations, public and private foundations, corporations, and academic institutions to bring new funding sources to the sector in the spirit of reconciliation.</p> <p><b>Sam Whiteye and Amy Hall</b>            (Carolinian Canada)</p>



# Royal Botanic Gardens



Room 5	Room 3/4	McQuesten Theatre & Mezzanine	Auditorium	Café Annex	Room 1/2
8:30 AM - 10:00 AM Session 1E	8:30 AM - 10:00 AM Session 1D	10:00 AM - 10:30 AM Refreshment Break	8:30 AM - 10:00 AM Session 1A	8:30 AM - 10:00 AM Session 1C	8:30 AM - 10:00 AM Session 1B
10:30 AM - 12:00 PM Session 2E	10:30 AM - 12:00 PM Session 2C	10:30 AM - 12:00 PM Exhibitors	12:00 PM - 1:30 PM Luncheon and Networking Break	10:30 AM - 12:00 PM Session 2B	10:30 AM - 12:00 PM Session 2A
1:30 PM - 3:00 PM Session 3B	1:30 PM - 3:00 PM Session 3E	3:00 PM - 3:30 PM Refreshment Break	1:30 PM - 3:00 PM Session 3A	1:30 PM - 3:00 PM Session 3C	1:30 PM - 3:00 PM Session 3C
3:30 PM - 5:00 PM Session 4E	3:30 PM - 5:00 PM Session 4D	3:30 PM - 5:00 PM Exhibitors	3:30 PM - 5:00 PM Session 4B	3:30 PM - 5:00 PM Session 4C	3:30 PM - 5:00 PM Session 4A