



LANDS TO GREAT LAKES

Relationship Status: It's Complicated



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2018 PROGRAM

NOVEMBER 13-15, 2018



UNIVERSITY
of GUELPH

LATORNELL 2018

SYMPOSIUM HOSTS

Conservation Ontario
Kim Gavine
General Manager

University of Guelph
Dr. Nicolas Brunet
School of Environmental Design and Rural Development

SYMPOSIUM MANAGEMENT

Chair: Scott Peck, Hamilton Conservation Authority
Past Chair: Lisa Turnbull, Toronto and Region Conservation Authority
Symposium Coordinator & Registrar: Karen Anderson, Allset Inc.
Symposium Coordinator & Website Coordinator: Mario Maillet, Allset Inc.
Secretary: Sara Epp, University of Guelph
Finance: Jane Dunning, Conservation Ontario
Hotel and Facilities Coordinator: Barbara Mackenzie-Wynia, Ontario Nature

STEERING COMMITTEE

Arlen Leeming
Toronto and Region
Conservation Authority

Freyja Whitten
Credit Valley Conservation

Janet Ivey
Grand River Conservation
Authority

Katrina Furlanetto
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Soil and Water
Conservation Society

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Rural Affairs

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Conservation Authority

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Ontario Heritage Trust

Kerry Ann Charles
Cambium Aboriginal

Nekeisha Mohammed
Conservation Ontario

Deborah Martin-Downs
Credit Valley Conservation

Jane Lewington
Conservation Ontario

Katie Jane Harris
Kawartha Conservation

Dr. Nicolas Brunet
University of Guelph

CELEBRATING

25

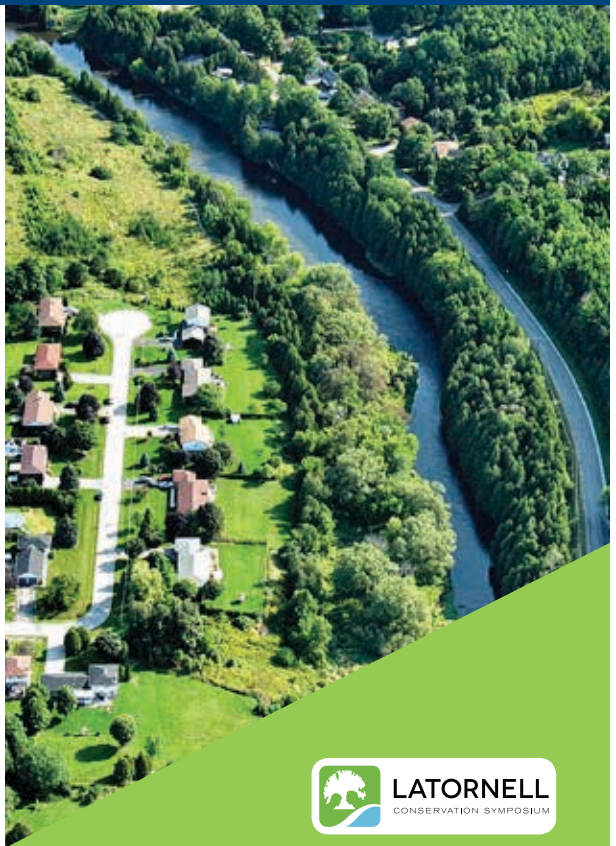
YEARS

of bringing together
practitioners, policy makers,
academics, educators, and
communicators from the
public and private sectors
to advance conservation in
Ontario

1993 - 2018



UNIVERSITY
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SYMPOSIUM PARTNERS

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WELCOME: CHAIR'S MESSAGE

The lands and lakes of the Great Lakes Basin are critically important to Canada's and Ontario's environment and economy. A few facts highlight their importance:

- The Great Lakes are the largest system of fresh surface water on earth, containing roughly 18% of the world's fresh surface water while providing a home for 90% of Ontario's population and 40% of Canada's economic activity.
- The Great Lakes provide drinking water to 8.5 million Canadians.
- The Great Lakes Basin sustains 4,000 species of plants and animals.
- The Great Lakes support 25% of Canada's agricultural capacity.



The lands and lakes of the Great Lakes Basin also provide awesome beauty and natural heritage features, recreational opportunities, and spiritual significance and renewal.

The relationship between the Great Lakes, the surrounding landscape and the people of this area, is complicated. The 25th Latornell Conservation Symposium will explore the status of the Great Lakes and the lands that connect them in order to assess the work currently underway to protect, conserve and enhance them. What progress is being made, and what more needs to be done?

This is the Latornell Conservation Symposium's 25th Year and I am pleased to welcome both first time attendees and long-time members of our Latornell community to the Symposium. The Latornell Conservation Symposium is Ontario's premier environmental conference that has for the past 24 years provided key information and support for conservation practitioners. This 25th year of the conference builds on the success of our previous conferences to provide and consider the issues facing the Great Lakes and associated landscape. Our program includes exciting presentations on Great Lakes and Rivers, Watershed Management, Stewardship, Green Infrastructure, Tools and Technologies, Municipal and Environmental Relationships, Natural Heritage and Biodiversity, Workshops, Field Trips and Tours.

The planning and development of the Latornell Conservation Symposium begins as soon as the previous symposium ends and is a year-long process with the dedicated steering committee members and our partners. I have the honour of being the Chair of this year's Steering Committee and I note that I am a very small part of larger effort that brings this event together. I want to thank all of my fellow committee members for their hard work, dedication and co-operation to bring this conference together. It is my experience that conservation practitioners work not for the job but because of their passion for the environment. This certainly holds true for my fellow committee members and I thank you.

I would encourage all delegates, speakers and exhibitors of the 2018 Latornell Conservation Symposium to take advantage of the opportunity this conference provides and to learn as much as you can, meet as many people as you can, take advantage of the experiences of others within the conservation network and truly have fun with new and old friends.

Scott Peck

Chair, 2018 Latornell Conservation Symposium

LATORNELL CONSERVATION SYMPOSIUM

LANDS TO GREAT LAKES

Relationship Status: It's Complicated

Welcome to the 25th annual Latornell Conservation Symposium co-hosted by Conservation Ontario and the University of Guelph. This event provides a forum for practitioners, policy makers, non-government organizations, academics and businesses to network and discuss the challenges and opportunities in Ontario's conservation field.

The 25th Latornell Conservation Symposium will explore the status of the Great Lakes and St. Lawrence River and the lands that connect them in order to assess the work currently underway to protect, conserve and enhance them. What progress is being made, and what more needs to be done?



ARTHUR D. LATORNELL



The namesake of the Latornell Conservation Symposium is Arthur D. Latornell, a pioneer and leader in the development of Ontario's conservation sector. A forward thinking and dedicated conservationist, Art Latornell had a long career in Planning and Development at the Ontario Ministry of Natural Resources. Art was associated with the Federation of Ontario Naturalists, and he was the president of the Ontario Soil and Water Conservation Society (Ontario Chapter).

Art was a strong supporter of Conservation Authorities and a mentor to many young conservation professionals.

The University of Guelph manages the A.D. Latornell Endowment Fund and provided a contribution to the 2018 Latornell Conservation Symposium.

LATORNELL LOGO



The Latornell Conservation Symposium logo uses an ancient tree symbol which represents the conservation of our natural resources. The trunk contains the profile of two people – a young conservation professional and a mentor, representing the important role for experienced conservationists to assist in the development of younger conservationists.

2018 PROGRAM AT A GLANCE

DAY ONE - TUESDAY, NOVEMBER 13

7:00 AM - 9:00 AM	Registration Refreshments – provided in the Convention Level (lower level)
8:30 AM - 9:45 AM	Concurrent Sessions / Field Trip » T1A: Shoreline Hazards – Managing Risks » T1B: Keeping Cool - Hot Research on Thermal Mitigation » T1C: Lunaapeew and Messingw Leading the Way » T1D: Stormwater Retrofit Implementation: from Planning to Execution » T1E: Municipal Great Lakes Initiatives » T1F: Case Studies in Candidate Protected Areas and OECMs » T1G/T2G: Offsite Walk Forest Therapy - Take a Walk in the Woods
9:45 AM - 10:15 AM	Refreshment Break with Exhibitors & Marketplace Vendors
10:15 AM - 11:45 AM	Concurrent Sessions / Field Trip » T2A: Linking Water Governance in the Great Lakes Basin to Economic, Social and Political Drivers » T2B: Green Infrastructure - Where the Permeable Paving Hits the Road » T2C: Envisioning a Shared Waters Approach: CA Perspective on Collaboration to Conserve Our Shared Watershed Resources » T2D: Smart Tech and AI: Advances in Water Quality Management » T2E: Neighbourhood Environmental Enhancement and Rehabilitation » T2F: Protecting and Managing Shoreline Biodiversity » T1G/T2G: Offsite Walk Forest Therapy - Take a Walk in the Woods [Continued]
11:45 AM - 1:30 PM	Luncheon » Keynote Speaker Dr. Dan Longboat, Trent University
1:45 PM - 3:00 PM	Concurrent Sessions / Workshop » T3A: Great Lakes Levels - Part 1 » T3B: New Old Dog on the Block - Green Infrastructure and the Drainage Act » T3C: Innovative First Nations Environmental Stewardship Model » T3D: What Does It Take? Construction and Lifecycle Costs of LID » T3E: Watershed Planning: Indigenous Approaches and Engagement » T3F: Community-based Management of Invasives » T3G/T4G: Workshop Wampum Belts Related to Anishinaabe History
3:00 PM - 3:30 PM	Refreshment Break with Exhibitors & Marketplace Vendors
3:30 PM - 5:00 PM	Concurrent Sessions / Workshop » T4A: Great Lakes Levels - Part 2 » T4B: Policy Scrum - Improving Land and Water Management » T4C: Stewardship through Collaboration » T4D: Stormwater Evolved: Guidance and Tools to Offset Urban Impacts » T4E: Municipal Naturalization and Greening » T4F: Management of Aquatic Invasives in Ontario » T3G/T4G: Workshop Wampum Belts Related to Anishinaabe History [Continued]
5:30 PM - 7:00 PM	Exhibitor Galleries A and B Wine & Cheese / Live Animal Exhibit (Gallery B)
7:00 PM - 8:30 PM	Harvest Banquet Dinner » Soil and Water Conservation Society (SWCS) A.D. Latornell Award of Merit Presentation
8:15 PM - 8:30 PM	Wine + Craft Beer Prize Ticket Sale and Draw in the Conservation Dome
Approximate 8:30 PM start time	Choose Your Own Adventure Social Events (see pages 25 & 26) » Latornell Spirit Information and Tasting Session with Beattie's Distillers » Traditional Bonfire Storytelling with Brian Charles and Kim Wheatley » Jungle Quest Team Mini-Golf Tournament » Continue to Mix and Mingle in the Exhibit Halls » The Latornell After Party (The LAP!)
9:00 PM - 1:00 AM	Latornell After Party (The LAP!) in Starlite Lounge (see page 26)

The following events take place in the Conservation Dome on Tuesday and Wednesday: Welcome and Introductions during Tuesday luncheon, all Plenary Sessions and Keynote presentations, Lunches, Harvest Banquet Dinner, Graduate Student Poster Display and Competition, Dream Auction, and Gala Banquet

2018 PROGRAM AT A GLANCE

DAY TWO - WEDNESDAY, NOVEMBER 14

7:00 AM - 9:00 AM	Registration Refreshments – provided in the Convention Level (lower level)
8:30 AM - 9:45 AM	Concurrent Sessions / Field Trip » W1A: Nutrient Loading from Agricultural Headwaters » W1B: Great Lakes Areas of Concern » W1C: The Meadoway: Community Powered Greenspaces » W1D: Using Green Infrastructure to Protect Habitat in Close Proximity to Development Projects » W1E: Municipal Low Impact Development (LID) Initiatives » W1F: Techniques in Automated Data Collection » W1G/W2G: Offsite Walk Forest Therapy - Take a Walk in the Woods
9:45 AM - 10:15 AM	Refreshment Break with Exhibitors & Marketplace Vendors
10:15 AM - 11:45 AM	Concurrent Sessions / Field Trip » W2A: Western Lake Ontario » W2B: Real-Time Water Quality Monitoring: From Rivers to Great Lakes » W2C: Protecting Important Properties Owned by Americans – Lessons from the Thousand Islands Watershed » W2D: Using Innovative Constructed Wetland Technologies to Manage Nutrient Pollutants » W2E: Municipal Environmental Enhancement and Rehabilitation » W2F: Environmental DNA as a New Tool for Biomonitoring » W1G/W2G: Offsite Walk Forest Therapy - Take a Walk in the Woods [Continued]
11:45 AM - 1:15 PM	Luncheon » Keynote Speaker David Ullrich, Advisor to the Great Lakes and St. Lawrence Cities Initiative
1:30 PM - 2:45 PM	Concurrent Sessions / Bus Tour » W3A: Plastic Pollution in the Great Lakes » W3B: Anticipating Floods - a Moving Target » W3C: Building on Years of Partnership - Unique Ideas for Stewardship in a Challenging World » W3D: Roots to Shoots: Quantifying and Sustaining the Performance of Living Infrastructure » W3E: Municipal Subwatershed Planning » W3F: Protecting and Restoring Ontario's Wetlands » W3G/W4G: Tour Headwaters to Georgian Bay Experiential Tour
2:45 PM - 3:15 PM	Refreshment Break with Exhibitors & Marketplace Vendors
3:15 PM - 4:45 PM	Concurrent Sessions / Bus Tour » W4A: Hold the Salt: Rising Chloride Levels in Ontario's Waterbodies » W4B: Source Water Protection - Next Steps and New Applications » W4C: Conservation and Stewardship through Policy » W4D: Catching the (Flood) Wave: Using LID for Quantity Control » W4E: Private and Public Water Infrastructure Management » W4F: Practical Issues in Managing Species at Risk » W3G/W4G: Tour Headwaters to Georgian Bay Experiential Tour [Continued]
5:00 PM - 6:30 PM	Graduate Student Poster Display and Competition
5:00 PM - 8:00 PM	Dream Auction
6:30 PM - 8:30 PM	Gala Banquet » Guest Speaker The Honourable Elizabeth Dowdeswell, Lieutenant Governor of Ontario
Approximate 8:30 PM start time	Choose Your Own Adventure Social Events (see page 40) » Minute to Win It Competition » Making Waves Documentary » Paint and Cocktails » Continue to Mix and Mingle in the Exhibit Halls » The Latornell After Party (The LAP!)
10:00 PM - 1:00 AM	Latornell After Party (The LAP!) in Starlite Lounge (see page 40)

2018 PROGRAM AT A GLANCE

DAY THREE - THURSDAY, NOVEMBER 15

7:00 AM - 9:30 AM	Registration Refreshments – provided in the Convention Level (lower level)
7:30 AM - 8:45 AM	Early Bird Professional Development Breakfast Keynote Speaker Cher Jones, Social Media Trainer and Personal Branding Coach
9:00 AM - 10:15 AM	Concurrent Sessions / Field Trip <ul style="list-style-type: none"> » TH1A: Lake and Shoreline Management Plans » TH1B: Case Study in Watershed Management: Credit River » TH1C: It All Starts with Healthy Soil » TH1D: Climate Change Adaptation and Resilience in the Great Lake » TH1E: Sharing the Science: Talking Tech with Diverse Audiences » TH1F: Strengthening Conservation Easement Agreements for Securement » TH1G/TH2G: Offsite Walk Forest Therapy - Take a Walk in the Woods
10:15 AM - 10:45 AM	Refreshment Break with Exhibitors & Marketplace Vendors
10:45 AM - 12:15 PM	Concurrent Sessions / Field Trip <ul style="list-style-type: none"> » TH2A: Protecting Our Waterways through the Lake Erie Action Plan: Collaborative Solutions – Moving from Plan to Action » TH2B: Case Study in Watershed Management: Ottawa River » TH2C: From the Field to the Consumer - Managing Nutrients Wisely » TH2D: Climate Change Adaptation Planning » TH2E: Experiential Learning: Connecting Students to the Great Lakes » TH2F: Stream and Valley Connectivity, Protection and Restoration » TH1G/TH2G: Offsite Walk Forest Therapy - Take a Walk in the Woods [Continued]
12:15 PM - 2:30 PM	Luncheon <ul style="list-style-type: none"> » Latonnell Leadership Awards Presentation » Keynote Speaker Autumn Peltier, Water Advocate » Keynote Speaker Dr. Robin Kimmerer, Professor of Environmental and Forest Biology at the State University of New York College of Environmental Science and Forestry
2:45 PM - 4:00 PM	Concurrent Sessions / Workshop: <ul style="list-style-type: none"> » TH3A: Leamington Tributaries Priority Area – Influences of Greenhouse Effluent and Mitigation Actions » TH3B: First Nations Water Challenges: Actions and Options » TH3C: Measuring Results - Stories from “The Field” » TH3D: Forestry Programs Addressing Climate Change Impacts » TH3E: Great Lakes Guide: Web-Based Approach to Connecting People to Their Great Lakes » TH3F: Managing Natural Heritage Systems » TH3G/TH4G: Workshop Making It Work: An Introduction to Low Impact Development
4:15 PM - 5:30 PM	Concurrent Sessions / Workshop <ul style="list-style-type: none"> » TH4A: Innovative Binational Initiatives to Advance Conservation Across the Great Lakes - St. Lawrence Basin » TH4B: Restoring Coldwater Fisheries - from Volunteer Actions to Taking on the “Mega Slump” » TH4C: We Eat the Landscape We Want to See » TH4D: Tools and Approaches to Addressing Vulnerability and CC Effects » TH4E: Successful Tools for Conservation Funding » TH4F: Citizen Science Monitoring Programs » TH3G/TH4G: Workshop Making It Work: An Introduction to Low Impact Development [Continued]

The following events take place in the Conservation Dome on Thursday:
Luncheon, Leadership Awards Ceremony, Keynote speakers

STUDENT MODERATORS

MEET THIS YEAR'S 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.

This year's moderators are from a broad range of disciplines including Geography, Rural Studies, Planning, Engineering, Biology and Environmental Science. Guided by Sara Epp, one of our Steering Committee Members and herself a PhD candidate, 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.

2018 STUDENT MODERATORS	
Jennifer Baron	Western University
Waverley Sunday Birch	University of Waterloo
Olivia Colling	Western University
Natalya Garrod	University of Guelph
Laura Hopkins	University of Guelph
Meredith Kadjeski	University of Toronto
Brooke Kapeller	Brock University
Jessica Kowalksi	Western University
Erinn Lee	University of Guelph
Andrew MacDonald	University of Waterloo
Samantha Mulholland	Wilfrid Laurier University
Amanda Shamas	University of Waterloo
Sylvie Spraakman	University of Toronto
Chloé St Amand	University of Waterloo
Ashleigh Weeden	University of Guelph

On behalf of Precision Biomonitoring, we want to extend our congratulations as you celebrate a remarkable twenty-five years of hosting the Latornell Conservation Symposium.



**PRECISION
BIOMONITORING**

BETTER CONSERVATION THROUGH BETTER DATA

Come see us at booth #17 to find out what we are all about

LATORNELL CONSERVATION GRANT

The Latornell Conservation Symposium Grant was established in the memory of Art Latornell to support students and active members of the conservation community so that they may attend this popular event. Funds to support the grants are raised through the Symposium's annual Dream Auction.

Since 2002, a total of 313 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 either a three day or a one day registration package, including conference meals, and up to two nights accommodations at the Nottawasaga Inn.

Individuals interested in applying for a 2019 Symposium grant are encouraged to do so at www.latornell.ca/grants.

NAME	AFFILIATION
Alysse Mathalon	Dalhousie University
Brennan Williams	Aamjiwnaang First Nation
Brittany Williams	Lower Trent Conservation / Bay of Quinte Remedial Action Plan
Chelsea Raymond	Grant Recipient
Chris Cakebread	Meesingw Inc.
Clarence Yellowman	Aamjiwnaang First Nation
Cristen Watt	Huron Stewardship Council
Dana Buchbinder	EcoSpark
Daniela Klicper	Lake Huron Centre for Coastal Conservation
Hajnal Broz	Conservation Halton
Julie Thompson	Credit Valley Conservation
Kayla Wong	Ryerson University
Laura M. Rodriguez Miguel	Grant Recipient
Marcus Maddalena	Huron Stewardship Council
Megan Kitchen	Otonabee Region Conservation Authority
Rachel Barrington	Otonabee Region Conservation Authority
Rachel Hodgson	Credit Valley Conservation
Robert Elliot	Lower Trent Conservation
Sama AlMaarofi	Lakehead University / Grant Recipient
Samantha Belleau	Meesingw Inc.
Susan Debreceni	Great Canadian Shoreline Cleanup (Ocean Wise Conservation Association)
Taylor Livingston	University of Guelph
Trent Bos	Lower Trent Conservation
Wai Ying Lam	Ryerson University

LATORNELL PROFESSIONAL DEVELOPMENT

THE LATORNELL PROFESSIONAL DEVELOPMENT PROGRAM

The Latornell Professional Development Program fosters opportunities for career growth and networking. We do this by hosting events and workshops to connect individuals interested in experiential learning, network building, and the broad aspects of professional development. This year, we partnered with BlueDrinks TO and the Toronto Green Community in August to participate in a Lost Rivers walk through the Toronto Port lands, and hosted a Careers in Conservation Lunch n' Learn near London with representatives from St. Clair Region Conservation Authority and Credit Valley Conservation. We are also feverishly planning a winter 2019 snowshoeing and networking outing to be held in the Kingston area. Be sure to sign up for the Latornell newsletter to stay connected as details are finalized!

If you are unable to make it to our events we encourage you to join our secure LinkedIn forum – the Latornell Mentorship group – which provides a space for mentorship and networking. The Latornell Mentorship group is a welcoming space where all members have declared their willingness to support professional development opportunities through sharing experiences and advice with others in a variety of formats (social or professional meetups, emails, phone calls, etc.). It is also a hub where current job postings from across Ontario's environmental and conservation sector are shared. A key strength of the Mentorship group is that it allows participants to form and pursue the relationships which are most enriching to them. It also allows for varying degrees of engagement, so professional development opportunities suit participant's schedules.

Join us now at www.linkedin.com/groups/8317800 or message Bill Trenouth through LinkedIn to request access. The Latornell Professional Development Program can also be reached at ADLMentorship@gmail.com.

Did you remember to register for our professional development breakfast on Thursday November 15 at 7:30 AM with keynote speaker Cher Jones? Cher is a Social Media Trainer and Personal Branding Coach who will teach us about how to nail your online professional brand. Visit the registration desk if you forgot to register but are still interested in joining.

For more information about the program, visit Latornell's Professional Development Page at www.latornell.ca/general-info/professional-development/. Thank you and we look forward to welcoming you into the Professional Development Program!

THIS EVENT IS

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GREEN ELECTRICITY

VISITING WITH EXHIBITORS

There are two areas where delegates can visit exhibitors during the Latornell Conservation Symposium. The first area is the Inn Lower Level (Galleries A, B). A second area, the Conservation Dome, is located in the Plenary Area where keynote speakers are hosted, meals are served, and social events take place.

TUESDAY

8:30 AM – 10:00 PM	Exhibit Galleries Open Hours
9:45 AM – 10:15 AM	Refreshment Break with Exhibitors & Marketplace Vendors
3:00 PM – 3:30 PM	Refreshment Break with Exhibitors & Marketplace Vendors
5:30 PM – 7:00 PM	Wine and Cheese in the Exhibit Halls
8:30 PM – 10:00 PM	Mix and Mingle in the Exhibit Halls

WEDNESDAY

8:30 AM – 10:00 PM	Exhibit Galleries Open Hours
9:45 AM – 10:15 AM	Refreshment Break with Exhibitors & Marketplace Vendors
2:45 PM – 3:15 PM	Refreshment Break with Exhibitors & Marketplace Vendors
8:30 PM – 10:00 PM	Mix and Mingle in the Exhibit Halls

THURSDAY

8:30 AM – 12:00 PM	Exhibit Galleries Open Hours
10:15 AM – 10:45 AM	Refreshment Break with Exhibitors & Marketplace Vendors

TURTLE ISLAND CONSERVATION COMES TO LATORNELL

Tuesday, November 13th from 5:30 PM – 7:00 PM in Exhibit Hall B

The Turtle Island Conservation Partnership at the Toronto Zoo partners with First Nations communities to incorporate Traditional Knowledge into turtle and wetland conservation programming.

The intention of this partnership is to bring together Keepers of Traditional Knowledge (TK), Elders, First Nations community members and Turtle Island Conservation team members to support community cultural and natural history priorities incorporating Traditional Knowledge while building awareness with non-Aboriginals.



ways of knowing partnership
TURTLE ISLAND
conservation



EXHIBIT BOOTH COMPETITION VOTING

NEW THIS YEAR!

We are looking for Exhibitors who go the extra mile and keep their exhibit space new, innovative, and appealing.

We will let the delegates decide – YOU will VOTE on the best exhibit booth in 3 categories:

- **Category 1: Best Looking Exhibit Space** – for the most visually appealing booth.
- **Category 2: Best Exhibit Booth Staff Discussion** – Delegates will vote for the booth where they had the best discussions with booth staff.
- **Category 3: Best Interactive/Hands-on Booth** - for the booth that offered the best hands-on experience. This can be with the organization’s product or service, or a game that the delegates can participate in.

What can they win, you ask?

At the Day 3 Luncheon, we will present the exhibitor with the most delegate votes for each category with:

- a free 3 day registration and an exhibit booth for the 2019 conference (a \$2,000+ value)
- a gift basket of goodies
- a congratulatory certificate
- an announcement in the post conference newsletter

HOW TO VOTE:

You, the delegates, are the judges.

The exhibitor competition is open to exhibitors, excluding the marketplace artists and craftsmen. You will find 3 voting cards inside your name badge – 1 for each category. We invite you to visit and interact with our exhibitors. At the end of your stay (up to 11:45 AM on Thursday) cast your votes and place them in 1 of 2 ballot boxes located in between the Gallery Halls on the lower level and at the registration desk.

- Please use their booth number when identifying the exhibitor.
- We will place an exhibitor floorplan at each voting station.

The winners will be announced during the Thursday Luncheon.

We are delighted to support the Latornell Conservation Symposium. Congratulations on 25 years!

SHOREPLAN

DAY ONE

Great Lakes and Rivers

Watershed Management

Stewardship

T1A ROOM 7

T1B ROOM 8

T1C ROOM 9

Shoreline Hazards – Managing Risks

The shorelines of the Great Lakes are popular with home owners, businesses, sun seekers, and recreational sports enthusiasts. However, shorelines are subject to natural forces and hazards - including dynamic beaches, flooding and erosion. This session will present case studies on addressing natural hazards in these changeable areas.

Addressing the Hazards at Port Darlington

Fiona Duckett
(WF Baird & Associates)
and **Judy Sullivan**
(Aqua Solutions 5)

Lakeview Waterfront Connection

Jane Graham
(Shoreplan Engineering Limited)

Keeping Cool - Hot Research on Thermal Mitigation

Mitigating stormwater's thermal impacts is essential to protecting cool- and cold-water streams in a warming climate. Join this session to learn why some approaches work and some don't.

Mitigation of Stormwater Pond Thermal Impacts on Streams: Insights from Performance Monitoring of over 45 Thermal Mitigation Projects in Ontario

Tim Van Seters
(Toronto and Region Conservation Authority)

How Cool Are Cooling Trenches? Cooling Trench Monitoring in KW

Trevor Fraser
(Stantec)

Lunaapeew and Meesingw Leading the Way

Delaware Nation's grassroots organization, Meesingw, is leading the way in stewardship in southwestern Ontario. Learn about this unique First Nations organization, their vision, and how they are engaging their community and partners.

Lunaapeew and Meesingw Leading the Way

Samantha Whiteye
(Meesingw Inc.)

8:30 AM – 9:45 AM

Green Infrastructure, Tools and Technologies

Municipal and Environmental Relationships

Natural Heritage and Biodiversity

Workshop, Field Trips and Tours

T1D ROOM 11

T1E ROOM 1

T1F ROOM 2

T1G/T2G LOBBY

Stormwater Retrofit Implementation: from Planning to Execution

From the city-scale to the site level, this session will explore how we plan and prioritize SWM retrofits, and what project planning and implementation looks like at both scales.

Siting Urban LID Retrofit Opportunities and Evaluating Their Costs and Benefits

*Olivia Sparrow
(Emmons & Olivier Resources, Inc.)*

Glendale Public School Retrofit: Leveraging Partnerships to Implement Green Infrastructure

*Graeme MacDonald
(Credit Valley Conservation)
and Shelly Dunn
(Fisheries and Oceans Canada)*

Municipal Great Lakes Initiatives

This session will explore different approaches to resolving issues related to Lake Ontario through a case study and a collaborative approach to link efforts on land to improvements within the lake.

The Use of an Objectives Based Evaluation Framework to Achieve Sustainable Project Planning in a Complex Environment

*Anneliese Grieve
(Strategic Environmental Planning Solutions)
and Katherine Hills
(Toronto and Region Conservation Authority)*

TRCA, York and Durham – Nearshore Monitoring at the Duffin Creek Plant

*Barry Laverick
(Regional Municipality of Durham)*

Case Studies in Candidate Protected Areas and OECMs

Provincial and federal governments are working to reach a 17% target for protected areas. This session explores how different governance models, habitats, and conservation measures might contribute toward that target.

Assessing Protected Areas and Other Effective Area – Based Conservation Measures in Ontario

*Laura Bjorgan and Anurani Persaud
(Ministry of Natural Resources and Forestry)*

17% Along the Great Lakes: It's Complicated

*Jocelyn Sherwood
(Canadian Wildlife Service)*

Guardians of the Biodiversity: The Role of Conservation Authorities in Achieving 17%

*Deanna Cheriton
(Toronto and Region Conservation Authority)*

Offsite Walk | Forest Therapy - Take a Walk in the Woods

Please note this walk takes place from 8:30 AM - 11:45 AM

This offsite walk provides the background introduction to Forest Therapy Walks and will allow participants to get out of their heads and into their senses by being immersed in a natural setting.

Walk Group Leaders

*Kristie Virgoe
(Kawartha Conservation)
and Stana Luxford Oddie
(Catawaqui Region Conservation Authority)*

DAY ONE

Great Lakes and Rivers

T2A ROOM 7

Linking Water Governance in the Great Lakes Basin to Economic, Social and Political Drivers

Water governance is strongly influenced by sectors including energy, trade, and finance but most governance systems are not designed to deal with these influences. Through this panel the audience will be engaged in a discussion of key external actors and drivers that are relevant to the topics of flooding, nutrient pollution, and agriculture in the Great Lakes Basin.

Why Do We Need to Rethink Water Governance in the Great Lakes Basin?

Rob de Loë
(University of Waterloo)

Discourse on Nutrients in Lake Erie Basin: A Comparative Analysis

Bereket Negasi Isaac
(University of Waterloo)

Linking Flood Risk Management, Economic, Social and Political Drivers to the Status of the Great Lakes Basin

Parastoo Emami
(University of Waterloo)

Corporate Water Stewardship and Water Governance

Fabiola Alvarado-Revilla
(University of Waterloo)

Drivers at Multiple Scales in the Lake Erie Basin: Implications for Governance

Erin Murphy-Mills
(University of Waterloo)

Watershed Management

T2B ROOM 8

Green Infrastructure - Where the Permeable Paving Hits the Road

Mainstreaming LID implementation takes innovation in policies, demonstration projects, performance monitoring, and informed decision making. Come hear how the yardstick is being advanced.

Focusing on Solutions: Kitchener's Advancement In Integrated Stormwater Management

Matt Wilson
(City of Kitchener)

Lessons Learned so Far: Green Streets Demonstration Project at the City of Toronto

Geoff Cole
(City of Toronto)

Real-Time LID Performance Monitoring Using Continuous Turbidity Probes: Elm Drive Case Study

Jan Siwierski
(Credit Valley Conservation)

Stewardship

T2C ROOM 9

Envisioning a Shared Waters Approach: CA Perspective on Collaboration to Conserve Our Shared Watershed Resources

Looking to the future beyond just form and function, our presenters will discuss the innovative approaches and strategies in their respective watersheds aimed at improving the ecological condition of the river and downstream lakes, and also provide significant long-term benefit to our river systems.

Working Towards A Shared Waters Approach for the Deshkan Ziibi (Thames River)

Tara Tchir
(Upper Thames River Conservation Authority)

Reaching Consensus for Our Shared Watercourses

Mark Hartley
(Nottawasaga Valley Conservation Authority)

10:15 AM – 11:45 AM

Green Infrastructure, Tools and Technologies

T2D ROOM 11

Smart Tech and AI: Advances in Water Quality Management

Agent Models, algae and big data: complex issues require innovative solutions. Join us as we explore a few.

Health and Well-Being Outcomes of Conservation Scenarios in the Credit River Watershed: An Agent-Based Modelling Approach

*Martin Bunch
(York University)*

Automatic Detection of Algae Using a Custom-built Microscope Powered by Artificial Intelligence

*Jason Deglint
(University of Waterloo)*

Pooling Resources: Optimizing Monitoring Efforts and Data Sharing in Ontario and Across Canada

*Stephen Elgie
(KISTERS North America, Inc.)*

Municipal and Environmental Relationships

T2E ROOM 1

Neighbourhood Environmental Enhancement and Rehabilitation

Empowering communities to address urban related environmental challenges to achieve neighbourhood-based solutions.

Neighbourhood Screening Process and SNAP Model: Maximizing Co-Benefits of Infrastructure Renewal and Climate Action

*Shannon Logan
(Toronto and Region Conservation Authority)*

Fletchers Creek SNAP in Brampton: A Case Study

*Andrew Kett
(Credit Valley Conservation)*

RAIN Smart Neighbourhoods: A Municipal Framework for Engaging the Community to Increase Uptake of Lot-Level Green Infrastructure

*Patrick Gilbride
(REEP Green Solutions)*

Natural Heritage and Biodiversity

T2F ROOM 2

Protecting and Managing Shoreline Biodiversity

Join us to learn about different inventory, research and conservation efforts to describe, understand and conserve shoreline habitats along the Great Lakes and smaller watercourses.

Great Lakes Shoreline Ecosystem (GLSE) Inventory and Monitoring Project

*Katie Howard (Holman)
(Ministry of Natural Resources and Forestry)*

Nottawasaga Bay Shoreline Biodiversity

*Michael Wynia
(Skelton, Brumwell & Associates Inc.)
@SkeltonBrumwell*

Workshop, Field Trips and Tours

T1G/T2G LOBBY

Offsite Walk | Forest Therapy - Take a Walk in the Woods [Continued]

Please note this walk takes place from 8:30 AM - 11:45 AM

This offsite walk provides the background introduction of Forest Therapy Walks and will allow participants to get out of their heads and into their senses by being immersed in a natural setting.

Did You Know? We Have a Grant Program

Our annual “Dream Auction” supports our bursary program providing financial aid to people who would not otherwise be able to attend this annual conference. All Dream Auction items are generously donated by individuals and organizations with a passion for conservation and all proceeds are donated to the Latornell Grant Fund.

This program continues to be a tremendous success. Since 2002, a total of 313 people have received a grant.

See page 9 to see this year’s list of grant recipients and page 38 for more information on the Dream Auction.

DAY ONE

TUESDAY LUNCHEON PROGRAM WITH KEYNOTE DR. DAN LONGBOAT

11:45 AM - 1:30 PM

Dr. Daniel Longboat

Associate Professor and Director of the Indigenous Environmental Studies and Science Program at Trent University



Dr. Dan Longboat – Roronhiakewen (He Clears the Sky) – is an Associate Professor in the Chanie Wenjack School for Indigenous Studies, Director of the Indigenous Environmental Studies and Sciences Program and the Director of the Indigenous Environmental Institute at Trent University in Peterborough.

Dr. Longboat belongs to the Turtle Clan of the Mohawk Nation and is a citizen of the Haudenosaunee, originally from Ohsweken the Six Nations community on the Grand River Territory.

Dr. Longboat earned a Bachelors Degree from Trent University in Native Studies with a special interest in Human Psychology. He received a Masters Degree in Environmental Studies and a Ph.D. in Environmental Studies from York University.

Dr. Longboat is currently an Associate Professor in the Department of Indigenous Studies and is the Founding Director of the Indigenous Environmental Studies and Sciences Program (IESS) at Trent University. He is also the current Director of the newly formed Indigenous Environmental Institute (IEI). The IESS program is the first and only accredited university level program for Indigenous Environmental Studies and Sciences in North America. The Program is founded upon Indigenous Knowledge(s), which serves to support research and development of culturally based courses and integrated environmental science programs. The Program focuses upon Indigenous Peoples: health and the environment, traditional foods and medicines, natural resource restoration, community sustainability, international Indigenous networks, Indigenous languages, cultures and the recognition of Treaty Rights, cultural practices and traditional life ways.

Learn more about the IESS Program at www.trentu.ca/iess.

DREAM AUCTION SNEAK PEEK



Join Us for Our Dream Auction at the Wednesday Gala Banquet

Check out this Silent Auction item! Valued at over \$2,100 this Long Point Eco-Adventures package will be can be yours to win. With the generous support of **GEMS** and **EMAC**, we are able to offer this adventure package (choice of Couples Weekend or Family of 4 Weekend) in the auction. Be sure to visit Zach Crandall in Exhibitor Gallery B at Long Point Eco-Adventures booth to find out more about their activities and packages.



Proud to support the Latornell Conservation Symposium.

We're working together with Conservation Ontario and the University of Guelph to help create a more vibrant planet.



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WATER WEEK AT BLUE TWO EVENTS IN ONE!

Stay for the week and enjoy the programming and activities of both the **Canadian Water Summit** and the **CWRA National Conference**.



watersummit.ca

conference.cwra.org

DAY ONE

Great Lakes and Rivers

T3A ROOM 7

Great Lakes Levels - Part 1

Very high spring rainfall across the Great Lakes basin in 2017 resulted in higher than usual levels in all of the lakes and record setting levels in Lake Ontario. This session brings together water managers at the federal and watershed scale to explain factors affecting high water levels, provide a historical overview, and showcase how Conservation Authorities are addressing high levels through shoreline flood hazard and risk assessment.

Great Lakes Water Levels – How They Work

Derrick Beach
(Environment and Climate Change Canada)

CA/Municipal Partnership in Flood Emergency Preparedness – Lake Erie Shoreline

Janet Engel
(Grand River Conservation Authority)

Lake Ontario 2017: Assessing Warning Thresholds & Flood Risk Along the Shoreline

Rebecca Elliott and Nathan Plato
(Toronto and Region Conservation Authority)

Watershed Management

T3B ROOM 8

New Old Dog on the Block - Green Infrastructure and the Drainage Act

Why reinvent the wheel? Join us in exploring how the Drainage Act can facilitate green infrastructure retrofits on private lands in both urban and rural areas.

The New Old Dog on the Block: Use of the Drainage Act to Facilitate Green Infrastructure Implementation in Urban Areas

Kyle Vander Linden and Shannon Malloy
(Credit Valley Conservation)

The Drainage Act: A Useful Tool in Protecting and Maintaining Rural Green Infrastructure

Sarah Fleischhauer
(Maitland Valley Conservation Authority)

Stewardship

T3C ROOM 9

Innovative First Nations Environmental Stewardship Model

Using a unique, transferable stewardship model, Henvey Inlet First Nation has developed an environmental stewardship regime and associated permitting process to implement and monitor renewable energy projects on their lands.

Innovative First Nations Environmental Stewardship Model

Kyle Hunt
(Savanta Inc. / Henvey Inlet First Nation)
and Patrick Brennan
(Henvey Inlet First Nation)

1:45 PM – 3:00 PM

Green Infrastructure, Tools and Technologies

T3D ROOM 11

What Does It Take? Construction and Lifecycle Costs of LID

Knowing the costs of LID are important to making infrastructure decisions. Information on this topic has been collected and tracked for several projects, and our experts are ready to share.

Informing Asset Management: Importance of Tracking Inspections and Maintenance

Jordan Wiedrick
(Credit Valley Conservation)

LID Right-of-Way Examples from City of Kitchener: Design, Monitoring, and Cost

Matt Wilson
(City of Kitchener)

Municipal and Environmental Relationships

T3E ROOM 1

Watershed Planning: Indigenous Approaches and Engagement

Explore how Indigenous community - initiated watershed planning as well as indigenous involvement in municipal watershed planning can both contribute to positive ecological outcomes and community capacity building.

Indigenous Approaches and Engagement in Watershed Planning

Gary Pritchard
(Cambium Aboriginal / Curve Lake First Nation)


Natural Heritage and Biodiversity

T3F ROOM 2


Community-based Management of Invasives

See how education, monitoring and management of priority invasives can be done at the community level to reduce the impact of invasive species throughout Ontario.

Severn Sound Environmental Association's Invasive Species Program: A Multi-municipality Approach

Robert Canning
(Severn Sound Environmental Association)
 @SSEA_SSRAP

Lake Association Fighting Aquatic Invasive Species at the Local Level

Deanna Panitz
(Federation of Ontario Cottagers' Associations)
 @foca_info

Management of Wild Parsnip Using Different Chemical and non-Chemical Tools

Smiling Water (Mackenzie Lespérance)
(Nawash First Nation / rare Charitable Research Reserve)

Workshop, Field Trips and Tours

T3G/T4G ROOM 18

Workshop | Wampum Belts Related to Anishinaabe History

Please note this workshop takes place from 1:45 PM - 5:00 PM

Brian Charles is an off-reserve Band member of the Chippewas of Georgina Island and has worked collaboratively with a small group of knowledge keepers to research and assemble a physical repository of wampum belts that document Ojibwa history. The presentation will illuminate how wampum was used to record not only relationships and treaties between the First Peoples of the Eastern Woodland, but also with settler societies in Canada.

Brian Charles
(Educator)

DAY ONE

Great Lakes and Rivers

T4A ROOM 7

Great Lakes Levels - Part 2

Very high spring rainfall across the Great Lakes basin in 2017 resulted in higher than usual levels in all the lakes and record setting levels in Lake Ontario. This session will explore the need for an adaptive water resources management approach to address current climatic variability and future challenges relating to climate change.

Great Lakes Water Levels: Where Are They Going?

Frank Seglenieks
(Environment and Climate Change Canada)

Adaptive Management and Great Lakes Water Levels

Wendy Leger
(Environment and Climate Change Canada)

Shoreline Management on Lake Erie

Peter Zuzek
(Zuzek Inc.)
and **Mark Peacock**
(Lower Thames Valley Conservation Authority)

Watershed Management

T4B ROOM 8

Policy Scrum - Improving Land and Water Management

Despite a wave of recent provincial land and water policy work, there's still room – and appetite – for improvement. Join us for insights on gaps, needs, engagement, and solutions.

Regulating Water Contaminants in Ontario

Geoff Yunker
(Environmental Commissioner of Ontario)

The Untapped Potential of Municipal Water Sustainability Plans

Anastasia Lintner and Theresa McClenaghan
(Canadian Environmental Law Association)

Voices from across the Landscape

Andrew McCammon
(Ontario Headwaters Institute)

Stewardship

T4C ROOM 9

Stewardship through Collaboration

Collaboration is crucial for many stewardship projects. How do you prioritize projects, establish new partnerships and break down barriers to find innovative solutions for conservation?

The Long Point Walsingham Forest Integrated Conservation Action Plan: Enhancing Conservation Outcomes through Collective Impact

Britney MacLeod
(Canadian Wildlife Service)

Habitat Enhancement in the Otonabee Region Watershed through Community Engagement

Meredith Carter
(Otonabee Conservation)

First Nations Fisheries Management within the Great Lakes

Nicolas Brunet and Kelsey Beaton
(University of Guelph)

3:30 PM – 5:00 PM

Green Infrastructure, Tools and Technologies

T4D ROOM 11

Stormwater Evolved: Guidance and Tools to Offset Urban Impacts

Ontario's stormwater landscape is changing. From runoff volume control targets to other guidance, this session will highlight critical aspects and useful tools available to help us navigate a stormwater-wise future.

Update on the Low Impact Development Stormwater Management Guidance Manual

John Antoszek
(Ministry of the Environment, Conservation and Parks)

The Evolution of the Low Impact Development Stormwater Management Planning and Design Guide

Jenny Hill
(Toronto and Region Conservation Authority)
@urbanhydroeco

Determine Sizing and Placement of LIDs to Meet SWM Design Criteria Using the LID Treatment Train Tool v2.0

Yuestas David
(Toronto and Region Conservation Authority)

Municipal and Environmental Relationships

T4E ROOM 1

Municipal Naturalization and Greening

This interactive session highlights the outcome of municipalities working with a professional industry association to achieve overall environmental benefits to landscape projects. Learn first-hand the challenges, benefits and rewards of creating landscapes that meet client needs while also enhancing the environment.

Driving Market Transformation: The Fusion Landscape Professional Program

Jeremy Harris
(Region of Peel),
Julie McManus
(Credit Valley Conservation)
and **Corena Cane**
(Regional Municipality of York)

Natural Heritage and Biodiversity

T4F ROOM 2

Management of Aquatic Invasives in Ontario

Aquatic invasive species rapidly move through the landscape; hear updates on control efforts underway for European water chestnut, water soldier and phragmites.

Control of European Water Chestnut in Lake Ontario and the St. Lawrence River

Kyle Borrowman
(Ducks Unlimited Canada)

Control of European Water Soldier in the Trent Severn Waterway

Robert McGowan
(Ontario Federation of Anglers and Hunters)

Phragmites Australis Control in a Lake Erie Coastal Marsh

Rebecca Rooney
(University of Waterloo)

Workshop, Field Trips and Tours

T3G/T4G ROOM 18

Workshop | Wampum Belts Related to Anishinaabe History [Continued]

Please note this workshop takes place from 1:45 PM - 5:00 PM

Brian Charles is an off-reserve Band member of the Chippewas of Georgina Island and has worked collaboratively with a small group of knowledge keepers to research and assemble a physical repository of wampum belts that document Ojibwa history. The presentation will illuminate how wampum was used to record not only relationships and treaties between the First Peoples of the Eastern Woodland, but also with settler societies in Canada.

Did You Know? We Have a Great Lakes Themed Cocktail

Join us in celebrating Latornell's 25th Anniversary with a special signature cocktail at our Networking Wine and Cheese event, the Wednesday Gala Banquet, and the LAP! (Latornell After Party).

With a nod to the Great Lakes theme, we're calling it the **Lakebreeze**.

DAY ONE

WINE & CHEESE

WINE & CHEESE NETWORKING RECEPTION 5:30 PM– 7:00 PM

Come out and enjoy our famous annual Exhibitors' Wine and Cheese Networking event. It is taking place in Galleries A and B in the lower level of the Nottawasaga Inn & Conference Centre on Tuesday, from 5:30 PM - 7:00 PM.

This event is sponsored by EnviroPod Canada Ltd.



TURTLE ISLAND CONSERVATION @ LATORNELL EXHIBIT HALL B 5:30 PM – 7:00 PM

Come join us in Exhibitors' Gallery B for our annual live animal exhibit. Each year an Ontario facility provides us with a "show and tell" display of animals of various species. This is sure to provide a fun and interactive way of showcasing animals in an educational and safe manner.

More about Turtle Island Conservation can be found on page 11.

A.D. LATORNELL AWARD OF MERIT

During Harvest Banquet Dinner

Each year, the **Ontario Chapter** of the **Soil and Water Conservation Society** (SWCS) presents the A. D. Latornell Award of Merit. Art Latornell was involved in virtually every aspect of resources management in Ontario during his lifetime and was a role model for many beginning a career in conservation. These recipients exemplify Art and the SWCS by promoting and practicing an ethic which fosters the science and art of soil, water and related natural resource management to achieve sustainability.

The award is available to students at the diploma, bachelor or master program level. The winner of the Award receives a one year membership to SWCS, a cash award of \$600 and a one day registration to the A. D. Latornell Conservation Symposium.

This Year's Award Recipient Is:

Kira Burger, Master of Landscape Architecture, University of Guelph

Kira Burger's commitment to environmental stewardship and enthusiasm for inquiry have inspired her through her personal, professional, and academic pursuits. Upon completing a Bachelor of Arts and Science in International Development and Biology, Kira went on to work with a national non-profit delivering environmental education around the country by bicycle. Years later, while volunteering at an agro-forestry research station in rural Cuba, she was struck by the profound impact of thoughtful land management to strengthen communities, steward our natural environment, and support resilient economies. She returned to Canada to undertake an Apprenticeship in Horticulture, and is currently letting her work boots dry out while finishing a Masters in Landscape Architecture.

Kira is driven to become a leader in the field of Landscape Architecture who demonstrates through research and practice how progressive, evidence-based planning, design and management of landscapes can conserve and enhance our natural capital, support healthy ecologies, optimize the delivery of environmental services, and provide for human needs. She is especially interested in the intersection of soil and water conservation and food production, and is conducting her thesis research on the potential of urban forests to contribute to food security.

When not absorbed in her thesis work, Kira can be found foraging edible tree products, dancing up a storm, volunteering with gardening groups to provide education on organic edible gardening and to install and maintain gardens for under-served populations, and providing volunteer support to research efforts, conferences and symposia relating to conservation and ecological design.



HARVEST BANQUET DINNER



VQA WINE DRAW AND ONTARIO CRAFT BEER DRAW 8:30 PM

A limited number of tickets will be available for a timed sale at the Harvest Banquet. Tickets can be purchased for \$10 each or 3 for \$20. The draw will take place at 8:30 PM in the Conservation Dome, and you must be present to win.

Prize – A Selection of Fine Ontario Wine and Ontario Craft Beer.

The winning card will be drawn by **EnviroPod Canada Ltd.**, this year's sponsor of the Wine & Craft Beer Draw.



Experience the Guelph difference!

- Environmental Engineering, Environmental Sciences & Water Resources Engineering **co-op students available year-round!** Co-op terms starting January 2019 or May 2019 with four- or eight-month options.
- Our skilled co-op students can assist you with a variety of projects including: storm drainage, solid waste reduction, policy development, environmental health and safety, environmental modelling, biomonitoring, R&D, and much more.
- Come visit Sheila or Lindsay at **Booth 15** for more information regarding these and other co-op programs.

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DAY ONE

CHOOSE YOUR OWN ADVENTURE EVENTS

CHOOSE YOUR OWN ADVENTURE ROUND #1 8:30 PM START TIME

Following dinner on Tuesday evening delegates have a choice of activities:

» **Traditional Bonfire Storytelling – Wampum Belts Woven through Anishinaabe History**

(Location: the fire pit located in the gardens in front of the hotel)

You can also pull up a seat fireside and enjoy roasted marshmallows and a hot drink for Traditional Bonfire Storytelling with Brian Charles of the Chippewas of Georgina Island and Kim Wheatley, Anishinaabe Cultural Consultant.

Using replica wampum belts in this special presentation, Brian will illuminate a path that not only interconnects the nations and histories of First Peoples in the Eastern Woodland, but also of settler societies in Canada. Kim will share Traditional Indigenous stories from the Great Lakes region utilizing hand drum singing around the evening fire.

All are welcome and encouraged to dress according to weather conditions. This is an alcohol-free event.



Brian is an off-reserve Band member of the Chippewas of Georgina Island and has lived in the Barrie region for over forty years. He has worked as an Aboriginal Liaison at both the provincial and federal levels for over twenty years. He currently resides along the western shoreline of Lake Simcoe on the outskirts of the village of Hawkestone.

Kim Wheatley is an Ojibway Grandmother from Shawanaga First Nation & Turtle Clan. Her spirit name translates to “Head or Leader of the Fireflower”. As a Traditional Grandmother she utilizes stories, songs and Traditional Teaching methodologies to engage with Anishinaabe Ways of Knowing. She is a well known multi award winning international speaker, event coordinator, multi book author, species at risk champion and proud employee of the Earth.

» **Jungle Quest Team Mini-Golf Tournament**

(Location: Hole 1 of the Jungle Quest Mini Golf course located beside the health and fitness centre registration desk)

Journey through our action-packed 18 hole, par 36, Jungle Quest mini-putt adventure. As you navigate along a winding fun-filled expedition you will encounter treacherous lush terrain, as well as native wildlife hiding around every corner.



Players will be organized into teams of 4 – either come as a team or we can place you in a foursome when you arrive at the course. All players must complete the course or the entire team will forfeit. As per standard golf rules, the team with the lowest combined score wins.

CHOOSE YOUR OWN ADVENTURE EVENTS

» **Latornell Spirit Information and Tasting Session with Beattie's Distillers - Our Local Farm-Crafted Premium Spirits Company**
(Location: Room 41)

Curious about potato vodka? Sign up and join **Beattie's Distillers** to learn a little bit about it and sample a few interesting and unique vodkas.

Beattie's is located on the same land for over 100 years in Alliston, Ontario. They are a true "Farm-to-Bottle" distillery with all of their products grown on site, distilled at their own facility and bottled by their own farm staff. They are Ontario's first craft distillery to offer premium potato vodka.



This 2 hour session will take you on a journey that includes Beattie's history and how they came to be a potato vodka distillery; the evolution of craft distilling and its importance of nature, authenticity and sustainability; and, of course, an introduction to their brand including 3 tastings along with appropriate food accompaniments grown right on Beattie's farm.

On-site registration can be found at the Symposium Registration Desk up to 4 PM Tuesday November 13th. Cost is \$25. There is limited space (40 spots) so get your tickets early!

This event is sponsored by Beattie's Distillers.

BEATTIE'S
DISTILLERS™

» **Continue to Mix and Mingle with Exhibitors until 10:00 PM**
(Location: Exhibitor's Galleries A and B)

» **The Latornell After Party (The LAP!) until 1:00 AM**
(Location: Starlite Lounge)

On Tuesday after dinner, make your way over to the LAP!. The networking and late-night socializing will take place in the Starlite Lounge tucked away on the 3rd floor, past the gift shop and up the stairs. The bar will be open until 1:00 AM for your fun and amusement. See you at The LAP!



DAY TWO

Great Lakes and Rivers

W1A ROOM 7

Nutrient Loading from Agricultural Headwaters

This session will explore patterns in nutrient export from agricultural headwater catchments in southern Ontario. Presentations will highlight trends in the seasonal timing, magnitude and transformation of nutrients important for Great Lakes Ecosystem Health.

The Multi-Watershed Nutrient Study: Assessing the Scope for Change in Agricultural Nutrient Loading

Ryan Sorichetti
(University of Waterloo)

Phosphorus Export from Headwater Streams in the Thames and Ausable River Watersheds: Storms, Snowmelt and Speciation

Chris Parsons
(University of Waterloo)

Modeling Phosphorus Loading in Headwater Agricultural Catchments Across Southern Ontario: the Importance of an Integrated Approach

Chris Wellen
(Ryerson University)

Watershed Management

W1B ROOM 8

Great Lakes Areas of Concern

Progress on cleaning up the Great Lakes - join us to learn what monitoring programs are telling us about the health of former and current Areas of Concern.

Trends in Water Quality of Tributaries Entering Cootes Paradise Marsh, Hamilton

Stacey Van Opstal and Christopher Polap
(Hamilton Conservation Authority)

Long Term Trophic Trends – A Look at 45 Years of Monitoring in Severn Sound

Aisha Chiandet
(Severn Sound Environmental Association)

Stewardship

W1C ROOM 9

The Meadoway: Community Powered Greenspaces

The Meadoway will showcase a new reality for environmental collaboration, and will redefine the meaning of a community connected through conservation.

The Meadoway: Community Powered Greenspaces

Arlen Leeming
(Toronto and Region Conservation Authority)

8:30 AM – 9:45 AM

Green Infrastructure, Tools and Technologies

W1D ROOM 11

Using Green Infrastructure to Protect Habitat in Close Proximity to Development Projects

How can habitats and water balances be protected in the face of development? Join us to see how GI is being used to do exactly that!

Preserving Urban Wetland Water Balances Using LIDs and Hydrologic Modelling

Ellen Hachborn
(Dillon Consulting)

Gordie Howe International Bridge: Offsetting Techniques for Protection of Fish and Fish Habitat in the Detroit River

Lindsay Bennett
(Windsor-Detroit Bridge Authority)

Municipal and Environmental Relationships

W1E ROOM 1

Municipal Low Impact Development (LID) Initiatives

Municipalities have been leaders in not only supporting the concept of LID for stormwater management but have led by example through projects they have initiated. Some of these initiatives are presented in this session.

Collaborating LID Implementation and Monitoring on Central Parkway East Mississauga

Stephanie Wilson
(Credit Valley Conservation)
and Scott Perry
(City of Mississauga)

Municipal Initiatives to Improve Stormwater Discharges to the Great Lakes

Kelly Vader
(B. M. Ross and Associates Limited)

Natural Heritage and Biodiversity

W1F ROOM 2

Techniques in Automated Data Collection

Automating biodiversity data collection can generate a number of benefits for conservation projects. Learn about how technology such as apps and Lidar are being used to collect data and make conservation projects easier.

Red Squirrel: Automated Collection and Analysis of Biodiversity Data

Tom Hilditch and Eva Lee
(Savanta Inc.)

Using Lidar to Detect Potential Vernal Pools and Low/Wet Areas for Restoration

Chris Menary
(Toronto and Region Conservation Authority)

Workshop, Field Trips and Tours

W1G/W2G LOBBY

Offsite Walk | Forest Therapy - Take a Walk in the Woods

Please note this walk takes place from 8:30 AM - 11:45 AM

This offsite walk provides the background introduction of Forest Therapy Walks and will allow participants to get out of their heads and into their senses by being immersed in a natural setting.

Walk Group Leaders

Kristie Virgoe
(Kawartha Conservation)
and Stana Luxford Oddie
(Cataragui Region Conservation Authority)

DAY TWO

Great Lakes and Rivers

W2A ROOM 7

Western Lake Ontario

Ongoing collaborative science and monitoring in the nearshore of the Great Lakes help us understand how the land and the Great Lakes are connected. This session will provide an overview of how Ontario's most urbanized and rapidly growing area is impacting the western basin of Lake Ontario.

Land to Lake Connections in Western Lake Ontario

Shari Dahmer
(Toronto and Region Conservation Authority)

Legacy and Emerging Contaminants, Plastics and the Alphabet Soup of Urban Waters

Paul Helm
(Ministry of the Environment, Conservation and Parks)

Watershed Management

W2B ROOM 8

Real-Time Water Quality Monitoring: From Rivers to Great Lakes

Increasingly, monitoring programs are using real-time and continuous data collection to inform management decisions. Join us to hear applications ranging from estimating contaminant loading to protecting drinking water.

Real-Time Instream Water Quality Monitoring

Lorna Murison and Amanjot Singh
(Credit Valley Conservation)

Development of Surrogate Measures for TP Loading from the Grand River Using Continuous Water Quality Data

Cameron Irvine
(Grand River Conservation Authority)

Real-time Lake Water Quality Monitoring for Protecting the Region of Peel's Drinking Water

Jeff Hennings
(Region of Peel)

Stewardship

W2C ROOM 9

Protecting Important Properties Owned by Americans – Lessons from the Thousand Islands Watershed

The American Friends of Canadian Land Trusts will present lessons learned, introduce tools available and discuss one landowners motivations in regard to how conservation lands in Canada, owned by Americans, can be secured by tapping into US tax benefits.

Sandra Tassel
(American Friends of Canadian Land Trusts)

John Ross
(Charleston Lake Landowner)

Marnie Ross
(Thousand Islands Watershed Land Trust)

Kristen Callow
(Ontario Land Trust Alliance)

10:15 AM – 11:45 AM

Green Infrastructure, Tools and Technologies

W2D ROOM 1

Using Innovative Constructed Wetland Technologies to Manage Nutrient Pollutants

Floating islands, vertical wetlands and red sand; enhanced water treatment technologies offer an opportunity to super-charge the water quality benefits of living green infrastructure systems.

Floating Treatment Wetlands-a Simple yet Effective Tool for Enhanced Stormwater Treatment
 Josh Clark
(Terrapin Water)

Stormwater Treatment with Iron Enhanced Sand Filter – Design, Construction, Monitoring and Maintenance
 Jay Michels
(Emmons & Olivier Resources)

Municipal and Environmental Relationships

W2E ROOM 2

Municipal Environmental Enhancement and Rehabilitation

Different municipalities have been engaged in innovative approaches to environmental enhancement, rehabilitation and restoration and various examples of these are presented through this session.

The Great Lakes and Municipal Environmental Projects
 Jim Wren
(Federation of Canadian Municipalities)

A Blue Print for on-the-Ground Action – York Region’s Greening Strategy
 Heidi Breen
(The Regional Municipality of York)

Walking the Talk – York Region’s Property Naturalization Program
 Kyle Heeley
(The Regional Municipality of York)

Natural Heritage and Biodiversity

W2F ROOM 11

Environmental DNA as a New Tool for Biomonitoring

This session will help practitioners understand what environmental DNA is, when eDNA-based biomonitoring may be useful and how to employ such tools according to emerging best practices.

An Introduction to eDNA and Its Detection
 Robert Hanner
(University of Guelph)

Field Detection of Blanding’s Turtle eDNA in Winter
 Scott Tarof
(Azimuth Consulting)

Sampling Considerations for eDNA-based Biomonitoring
 Chris Wilson
(Ministry of Natural Resources and Forestry)

Workshop, Field Trips and Tours

W1G/W2G LOBBY

Offsite Walk | Forest Therapy - Take a Walk in the Woods [Continued]

Please note this walk takes place from 8:30 AM - 11:45 AM

This offsite walk provides the background introduction of Forest Therapy Walks and will allow participants to get out of their heads and into their senses by being immersed in a natural setting.

Did You Know? We Have a Networking Forum

Did you know that the Latornell Professional Development Program hosts an online networking forum on LinkedIn? It is a place for members of Ontario’s conservation community to come together to forge new professional contacts, find out about upcoming mentorship events, build new friendships and much, much more! Search “Latornell Mentorship” on LinkedIn or contact Bill Trenouth and Jamie Joudrey for more details.

Learn more about the Latornell Professional Development Program on page 10.

DAY TWO

WEDNESDAY LUNCHEON PROGRAM WITH KEYNOTE DAVID ULLRICH

11:45 AM - 1:15 PM

David Ullrich

Senior Advisor to the Great Lakes and St. Lawrence Cities Initiative



David Ullrich is an Advisor to the Great Lakes and St. Lawrence Cities Initiative where he served as Executive Director from 2003 to 2017. The Cities Initiative is a coalition of over 130 U.S. and Canadian mayors from across the Great Lakes and St. Lawrence Basin representing over 17 million people working to advance the protection and restoration of the resource. The Initiative leads many efforts to accelerate the work to become a more sustainable region by integrating the environmental, economic, and social activities to improve the quality of life and well being of its people.

Prior to working with the Cities Initiative, Mr. Ullrich served for thirty years at the U.S. Environmental Protection Agency's Great Lakes regional office in Chicago, working on environmental issues in the six states of the upper Midwest. He worked in many capacities over the years, including Acting Regional Administrator, Deputy Regional Administrator, Waste Management Division Director, Deputy Regional Counsel, Air Enforcement Chief, and Water Enforcement Attorney. He was a founding member and chair of the Midwest Natural Resources Group. He currently serves as US Chair of the Great Lakes Water Quality Board for the International Joint Commission, Chair of the Great Lakes Advisory Board, and in 2006 and 2012 was appointed by the President to the Great Lakes Fishery Commission. He serves on a number of other boards and committees. In 1986, he completed a six-month executive exchange assignment with the German Interior Ministry. U.S. EPA recognized Mr. Ullrich for a number of his accomplishments during his public service career.

Mr. Ullrich graduated from Dartmouth College in 1970 with a degree in English and received his law degree from the University of Wisconsin Law School in 1973, with an emphasis in environmental law. He is a runner and outdoor sportsman. He was married for 39 years to the late Polly Ullrich, an art critic, curator, teacher, and ceramic artist, and their son Eric is a 2012 graduate of the University of Illinois at Champaign-Urbana with a major in environmental science and sustainability and currently brew master at Lake Effect Brewing in Chicago.

DREAM AUCTION SNEAK PEEK



Join Us for Our Dream Auction at the Wednesday Gala Banquet

Check out this Silent Auction item! Valued at over \$1,500 this canoe package will be showcased on Tuesday and Wednesday. With the generous support of **The Complete Paddler**, we are able to offer this canoe package (canoe, paddles, safety kit) in the auction. Be sure to visit Kelly McDowell in Exhibitor Gallery B at The Complete Paddler booth to find out more about their products and tours.



**THE
COMPLETE
PADDLER**



COME FOR THE CONFERENCE, STAY FOR THE FOOD!

Since moving the Symposium to the Nottawasaga Inn 1995, the Latornell Steering Committee has worked closely with the dedicated Nottawasaga Inn culinary team to provide innovative and delicious menu options highlighting locally grown and in-season menus for our delegates.

We thank the Nottawasaga Inn and their staff for their excellent meals we have enjoyed over the last 23 years.

Bon appetit!

A Sample of our local foods:

- Cucumbers – Leamington
- Carrots – Bradford
- Turkey – Thamesville
- Onions – Harrow
- Chick Peas – Delhi
- Mini Red Potatoes – Simcoe
- Cucumber – Kingsville
- Mushroom - Bloomfield
- Kale - Exeter
- Peppers – Wilsonville
- Butter - Alliston
- Garlic – Windham Centre
- Scallions – Innerkip
- Corn – New Scotland
- Corn Chowder Soup – Penetanguishene
- Cranberries – Bala
- Potatoes – Alliston



Photo Credit: Stevie Scott, Alliston

DAY TWO

Great Lakes and Rivers

W3A ROOM 7

Plastic Pollution in the Great Lakes

Many Ontarians have heard about plastic debris, including microplastics in the world's oceans but may not realize that plastic pollution exists in waters closer to home. The increasing amount of microplastics - and plastic pollution - is a growing and significant concern in the Great Lakes and St. Lawrence River.

.....

Microplastics in the Great Lakes: Sources to Lake Ontario

Paul Helm
(Ministry of the Environment, Conservation and Parks)

What Is a Shoreline? The Impact of Citizen Science Based Cleanups in the Great Lakes

Susan Debreceeni
(Great Canadian Shoreline Cleanup)

Watershed Management

W3B ROOM 8

Anticipating Floods - a Moving Target

Southwestern Ontario has been hit by two extreme rainfall events in less than 11 months that resulted in significant surface and basement flooding. This session will explore changes in the hydrology of southern Ontario, including challenges related to urban flooding and possibilities for municipal response.

.....

Urban Development: A Tipping Point for Summer Floods in Southern Ontario

Trevor Dickinson
(University of Guelph)

What Southwestern Ontario Municipalities Are Doing To "Weather the Storm"

Ryan Langlois and Ian Wilson
(Dillon Consulting)

Stewardship

W3C ROOM 9

Building on Years of Partnership - Unique Ideas for Stewardship in a Challenging World

Since 2010, a multi-agency/ stakeholder group has coordinated actions to protect and improve water quality along the southeast shores of Lake Huron. It's 2018. Funding? Difficult to secure. Resources? Strained. How do we continue to keep stewardship efforts moving forward in the eye of the storm? This panel session will highlight our unique and innovative efforts working in the Lake Huron basin for the next two years.

.....

Jacqui Empson Laporte
(Ontario Ministry of Agriculture, Food and Rural Affairs)

Tori Waugh
(Saugeen Valley Conservation Authority)

Sarah Fleischhauer
(Maitland Valley Conservation Authority)

1:30 PM – 2:45 PM

Green Infrastructure, Tools and Technologies

W3D ROOM 11

Roots to Shoots: Quantifying and Sustaining the Performance of Living Infrastructure

New local data on urban tree vitality shows the benefits of using trees for SWM. Find out what it takes to sustain urban street trees for the long-haul.

Smart Phones and Soil Cells

Jenny Hill
(Toronto and Region Conservation Authority)
@urbanhydroeco

Improving and Sustaining the Performance of Living Green Infrastructure

Chris Morrison
(StormWaterForestry)

Municipal and Environmental Relationships

W3E ROOM 1

Municipal Subwatershed Planning

Examples of how subwatershed scale planning is being undertaken in two different jurisdictions with particular emphasis on stormwater management in areas planned for increased population growth.

Progressive Water Management Strategies in Support of a Progressive Planning Process

Arun Hindupur
(City of Guelph)
and Ron Scheckenberger
(Wood plc)

Subwatershed-wide Planning for LIDs: MECP Environmental Compliance Approval Pilot Project

Shawna Chambers
(City of London)
and Sabrina Ternier
(Ministry of the Environment, Conservation and Parks)

Natural Heritage and Biodiversity

W3F ROOM 2

Protecting and Restoring Ontario's Wetlands

This session will examine the current causes of wetland loss in Ontario and some of the efforts underway to protect and restore them, including wetland restoration and stewardship in First Nation communities in the Lake Erie basin and a climate change vulnerability assessment of Great Lakes coastal wetlands.

Southern Ontario's Disappearing Wetlands

Larissa Sage
(Environmental Commissioner of Ontario)

Collaborating and Supporting First Nation Communities to Advance Wetland Conservation

Sean Rootham
(Ducks Unlimited Canada)
and Jo Boyer
(Chippewas of the Thames)

Assessing and Enhancing the Resilience of Great Lakes Coastal Wetlands

Deborah Silver
(Environment and Climate Change Canada)

Workshop, Field Trips and Tours

W3G/W4G LOBBY

Tour | Headwaters to Georgian Bay Experiential Tour

Please note this tour takes place from 1:15 PM - 4:30 PM

Join NVCA staff for a guided tour through the Nottawasaga Valley watershed. Among the highlights, you'll see firsthand stewardship and conservation initiatives in the internationally significant Minesing Wetlands, and urban trout stream restoration and invasive species control along the Georgian Bay shoreline in Collingwood.

Fred Dobbs
(Nottawasaga Valley Conservation Authority)

Heather Kepran
(Nottawasaga Valley Conservation Authority)

DAY TWO

3:15 PM – 4:45 PM

Great Lakes and Rivers

W4A ROOM 7

Hold the Salt: Rising Chloride Levels in Ontario's Waterbodies

Rising chloride concentrations are a concern across the Great Lakes basin, largely due to salt used in winter maintenance, however a projected salt shortage this winter may provide an opportunity to promote change. This session will provide an overview of the problem and some solutions currently being tested.

Increasing Chloride Trends in Ontario Surface Waters

Ryan Sorichetti
(Ministry of the Environment, Conservation and Parks)

How Can Environmental Professionals Engage Salt Appliers? Promoting Change in a Time of Reduced Salt Availability

Bill Thompson
(Lake Simcoe Region Conservation Authority)

Smart about Salt Training and Best Practices Available in Parking Lot Maintenance

Eric Hodgins
(Regional Municipality of Waterloo / Smart About Salt Council)

Designing Parking Lots with Winter Maintenance in Mind: Setting Ourselves up for Success from Day One

Pamela Strong
(Lake Simcoe Region Conservation Authority)

Watershed Management

W4B ROOM 8

Source Water Protection - Next Steps and New Applications

Join us to hear what's new in Source Water – program updates, advancements in water budget studies, and how to use source protection tools to support decision-making in other areas.

Protecting Sources of Drinking Water: Updates under the Clean Water Act and Safe Drinking Water Act

Jennifer Moulton
(Ministry of the Environment, Conservation and Parks)

Water Budgets – Learning More about the Sustainability of Our Municipal Drinking Water Sources

Martin Keller
(Grand River Conservation Authority)

Making the Most of Source Water Protection Modeling Results

Godofredo Carpio
(Central Lake Ontario Conservation Authority)

Stewardship

W4C ROOM 9

Conservation and Stewardship through Policy

This session will highlight success stories and innovative ways to get government to take action, covering how to best submit public comments, plus ask for changes to policies or get enforcement action. The session will then outline an example of the challenges of implementing long-term conservation plans as policies change.

Want to Make the Government Do Something? Successful Ways to Use Ontario's Environmental Bill of Rights

Christopher Wilkinson and Michelle Kassel
(Environmental Commissioner of Ontario)

The Conundrum of the Rouge Watershed Protection Area

Katharine Richter
(Natural Resource Solutions Inc.)

Green Infrastructure, Tools and Technologies

W4D ROOM 11

Catching the (Flood) Wave: Using LID for Quantity Control

Flood control using LID is the final frontier in decentralized stormwater management. This session will highlight key considerations and show how it is already being done.

LID and Quantity Control

Imtiaz Shah
(Upper Thames River Conservation Authority)

Greening the Infrastructure Pilot: Testing Cupolex Tiles and Porous Tiles to Manage Flooding in Storm Sewer Systems

Kristina Hausmanis and Abe Mouaket
(City of Toronto)

Peak Flow Reduction and Flood Protection: Cookville Creek Underground Storage System

Vivek Sharma and Mark Bassingthwaite
(Resilient Consulting)

Municipal and Environmental Relationships

W4E ROOM 1

Private and Public Water Infrastructure Management

Challenges related to private wells and septic systems are explored in this session. Hear about current management approaches, constraints and opportunities for long term improvement.

James Johnson and John FitzGibbon
(University of Guelph)

Taylor West and Cameron Curran
(University of Guelph)

Brandon Eidner and Taylor West
(University of Guelph)

Natural Heritage and Biodiversity

W4F ROOM 2

Practical Issues in Managing Species at Risk

Join us to learn about novel, practical solutions that are showing success at managing species at risk in Ontario, including barn swallows and snapping turtles.

Building a Better Bird House - Case Study of Successful Barn Swallow Nesting Structures

Chris Parent and Meredith Meeker
(Cole Engineering)

Why Did the Salamander Cross the Road? The King Road Closure in Burlington

Brenda Van Ryswyk
(Conservation Halton)

Re-establishing a Lost Ecosystem of Southern Ontario – Recovery of Kirtland’s Warbler

Peter Burke and Laura Williamson
(Savanta Inc.)

Workshop, Field Trips and Tours

W3G/W4G LOBBY

Tour | Headwaters to Georgian Bay Experiential Tour [Continued]

Please note this tour takes place from 1:15 PM - 4:30 PM

Join NVCA staff for a guided tour through the Nottawasaga Valley watershed. Among the highlights, you'll see firsthand stewardship and conservation initiatives in the internationally significant Minesing Wetlands, and urban trout stream restoration and invasive species control along the Georgian Bay shoreline in Collingwood.

Did You Know? The TD Group Is a Supporter of the Symposium

Funding from the TD Group allowed us to ensure meaningful inclusion of Indigenous environmental/conservation projects and perspectives throughout the Latornell Conservation Symposium. This year we were able to include keynote speakers, session speakers, student moderators, delegates, and social events in our program and we are looking forward to continually build on this success in the upcoming years.

DAY TWO

LATORNELL GALA BANQUET EVENING

Join us for our annual Latornell Gala Evening. The evening includes a student poster display and competition, dream auction, grand prize card draw, banquet dinner and a second night of choose your own adventure activities.

STUDENT POSTER DISPLAYS AND COMPETITION 5:00 PM - 6:30 PM

The Latornell Conservation Symposium showcases a variety of original research projects which have either been just completed or are underway within our universities and colleges. This is a great opportunity for Symposium delegates to see innovation in action and to provide their feedback to student poster participants. A vote is held by delegates and cash awards of \$500, \$300 and \$200 are presented to the top three poster presentations.

This event is sponsored by R.J. Burnside & Associates Limited.



This year, a total of 15 presenters are featured:

NAME	SCHOOL	POSTER PRESENTATION TITLE
Katherine Baird	University of Toronto	Floristic Quality Assessment for Natural Areas Management in Lake Simcoe Watershed
Jade Dawson	Laurentian University	Biological Recovery across Gradient of Catchment Reclamation Intensity in the Heavily Smelter-Damaged Lakes of Sudbury, Ontario
Emma Drake	University of Guelph	Measuring Farmland Loss in the Great Lakes Region
Natalya Garrod	University of Guelph	Water Security Planning with the Chippewas of the Thames First Nation
Laura Hopkins	University of Guelph	Evaluating the Cost-Effectiveness of Wetland Restoration Scenarios in the Lynn River Watershed of Norfolk County
Meredith Kadjeski	Trent University	Seasonality and Landscape Factors Drive Organic Matter Export in Streams of Varying Land Use
Erinn Lee	University of Guelph	From Policy to Implementation: Expanding the Agricultural Phosphorus Management Toolkit
Tal Litmanovitch	University of Toronto	Stormwater Pond Sediments: Does Resuspension Affect Retention?
Taylor Livingston	University of Guelph	Source Water Protection in a Changing Climate
Andrew MacDonald	University of Waterloo	Incorporating Technology into Ontario Protected Areas to Foster Environmentally Informed Visitors
Samantha Mulholland	Wilfrid Laurier University	Examination of Interactions between <i>Sida Hermaphrodita</i> and <i>Phragmites Australis</i> : Seedling Growth and Mycorrhizal Colonization
Amanda Shamas	University of Waterloo	The Use of Plant Traits as a Restoration Monitoring Measure: A Practical Approach
Philip Teri	University of Guelph	Mapping Energy Futures: A Standardized, Community-Based Framework for Local Renewable Energy Planning
Ariola Visha	University of Toronto	Assessment of the Integrity of Fish Communities in the Great Lakes Area: A Bayesian Perspective
Cindy Yang	University of Toronto	An Integrative Framework Dynamically Linking Socioeconomic Values with Environmental Concerns

LATORNELL GALA BANQUET EVENING

DREAM AUCTION 5:00 PM - 8:00 PM

The Latornell Conservation Symposium Grant was established in memory of A.D. Latornell to provide support for students and active members of the conservation community so that they may attend the annual Latornell Conservation Symposium.

All Dream Auction items are generously donated by individuals and organizations with a passion for conservation. All proceeds to be donated to the Latornell Grant Fund.

Thank you to everyone who help make this such a success. The “Dream Auction” supports our bursary program providing financial aid to people who would not otherwise be able to attend this annual conference. With over \$13,000 raised at last year’s auction, our awards will enable students and/or representatives of smaller environmental non-governmental organizations to attend this year’s conference.

The Dream Auction provides a variety of items bound to appeal to everyone in the crowd. It’s a perfect opportunity to start your Christmas shopping with many one-of-a-kind items available. There is something for everyone! Entertainment, Family Activities, Wine, Art and Jewelry. We look forward to having you join us for an evening of fun!

There are two ways to take home a great item:

- » Silent Auction – how high will you go.....?
- » Bucket Draw – 1 ticket for \$2; 3 for \$5; an arm length of tickets for \$20

Some of this year’s items at our Dream Auction include:

- » Toronto Raptors tickets (good ones!)
- » Toronto Maple Leafs tickets (also good ones!)
- » 4 tickets to the Wizard of Oz at the Elgin Theatre
- » Paddle charcuterie board
- » Nottawasaga Inn weekend getaway package
- » Framed original carbon tree ring print of heritage tree in Ratray Marsh
- » 2 night stay at Holiday beach cottage on Lake Erie
- » Fly rod package: Orvis Encounter 6 wt rod with case, large arbor reel, backing and 6wt forward sinking line
- » Butterfly houses
- » 2 Grey Owl paddles
- » Books, prints, gift cards, wine...

And much more!



Thinking of making an auction item donation for the 2019 Symposium?

Please contact Freyja Whitten, Credit Valley Conservation, fwhitten@creditvalleyca.ca



DAY TWO

LATORNELL GALA BANQUET EVENING

GUEST SPEAKER HONOURABLE ELIZABETH DOWDESWELL, LIEUTENANT GOVERNOR OF ONTARIO

8:15 PM

The Honourable Elizabeth Dowdeswell

Lieutenant Governor of Ontario



The Honourable Elizabeth Dowdeswell was invested as Ontario's 29th Lieutenant Governor on September 23, 2014. Her eclectic public service career has spanned provincial, federal, and international borders, and has transcended disciplinary and sectoral lines.

Ms. Dowdeswell began her professional career as a teacher and university lecturer. After serving as the Deputy Minister of Culture and Youth for the Government of Saskatchewan, she held increasingly senior positions in the Canadian public service, most notably as head of the Atmospheric Environment Service. Throughout this period, she managed several public inquiries and royal commissions.

Her international negotiating experiences prefaced her election in 1992 as Executive Director of the United Nations Environment Programme and Under-Secretary-General of the United Nations, headquartered in Nairobi, Kenya. Upon returning to Canada in 1998, she established an international consulting practice and became the founding President and CEO of the Nuclear Waste Management Organization. Immediately prior to her appointment as Lieutenant Governor, Ms. Dowdeswell was the President and CEO of the Council of Canadian Academies. She has also served on numerous boards of corporate and non-profit organizations.

Ms. Dowdeswell was born in Northern Ireland and immigrated to rural Saskatchewan with her parents in 1947. She earned a Bachelor of Science in home economics and teaching certificate from the University of Saskatchewan (1966) and a Master of Science in behavioural sciences from Utah State University (1972). An Officer of the Order of Canada, Ms. Dowdeswell holds 11 honorary degrees.

Congratulations from Storck Canada on your 25th year of providing an amazing conference!

Good luck delegates on guessing how many candies are in the jar at your table and closest guess gets to take home the candy jar.

More details to be announced during the
Wednesday Gala Banquet.



CHOOSE YOUR OWN ADVENTURE EVENTS

New This Year

Our previous year survey says..... more networking opportunities and choose your own adventure activities! We thought about it and determined that this was the perfect opportunity for 2 nights of fun-filled activities – both passive and active. Take a look at our second evening of choose your own adventure activities.

CHOOSE YOUR OWN ADVENTURE ROUND #2 – 8:30 PM start time

This evening's events are generously sponsored by Shoreplan

SHOREPLAN

Following dinner on Wednesday evening, delegates have a choice of activities:

» Minute to Win It Competition

(Location: Starlite Lounge)

Do you want major bragging rights? Test your wit, dexterity, and athleticism. Whether you want to join a team as a contestant or be part of the cheering crowd, this event will sure to be loads of fun. Contestants will take part in a series of 60-second challenges that use objects that are commonly available around the house to earn points for your team throughout the competition. Team with the highest score wins a prize – and bragging rights.



» Documentary Screening

(Location: Room 19)

GREAT LAKES MEDIA presents:

A look beneath the surface of the world's largest freshwater ecosystem "MAKING WAVES: BATTLE FOR THE GREAT LAKES". A two-hour documentary about the effects of aquatic invasive species in the Great Lakes and the efforts under way to control and prevent them.

director of photography BRENDAN WALSH | narrated by BILL KURTIS | original music by GABRIEL JASKOWIAK | edited by BRENDAN WALSH | produced by JESSICA WALSH

www.makingwavesdocumentary.com



» Paint and Cocktails

(Location: Room 18)

We like to call it Fun Art, not Fine Art. Come to our painting party! Join in on an easy, relaxed, encouraging painting night as we have a 2 hour fun evening with our artist who will guide you through step by step, from start to finished painting that you get to take home.

Space is limited to 40.

On-site registration can be found at the Symposium Registration Desk up to 4:00 PM Wednesday November 14th. Cost is \$25 and includes two drink tickets.

There is limited space so get your tickets early!

» Continue to Mix and Mingle with Exhibitors until 10:00 PM

(Location: Exhibitor's Galleries A and B)

» The Latornell After Party (The LAP!) until 1:00 AM

(Location: Starlite Lounge)

On Wednesday at the conclusion of the gala evening, make your way over to the LAP!, where you can cheer on the competitors of the Minute to Win it Competition or network and socialize in the Starlite Lounge tucked away on the 3rd floor, past the gift shop and up the stairs. The bar will be open until 1:00 AM for your fun and amusement. See you at The LAP!



GREENING INFORMATION

PLANTING TREES ON BEHALF OF SYMPOSIUM PARTICIPANTS BENEFITS THE ENVIRONMENT

Over 6,000 trees will be planted in the Nottawasaga Valley watershed to help offset the emissions created by participants travelling to the Latornell Conservation Symposium. This unique partnership between Forests Ontario, the Nottawasaga Foundation, the Nottawasaga Valley Conservation Authority, and the Symposium has planted over 52,000 trees since 2006.

In addition to offsetting emissions, planting trees increases forest cover, improves water quality, moderates the effects of flooding and drought, prevents erosion and provides habitat for wildlife. Trees are also an important natural economic resource. The Symposium is providing a \$3,000 grant behalf of our speakers and the Nottawasaga Foundation provides an additional \$5,000 to Forests Ontario who works with the Nottawasaga Valley Conservation Authority to plant the trees.



LATORNELL GREEN BITES – WALKING THE TALK

The Latornell Conservation Steering Committee (SC) is doing its part to reduce our carbon footprint and combat climate change in organizing your annual Symposium:

- More and more use of teleconferences for SC meetings, subcommittee meetings and projects!
- Sharing of information, including reports, background material, meeting agendas and minutes and conference guidelines, between SC members using a special members' page on the website!
- Sharing ideas between SC members on a live webpad on the members' webpage!
- Implementing conference promotion and registration electronically!
- Promoting the electronic submission of applications for sponsors, exhibitors, grants and Leadership Awards!
- Encouraging local foods to be served at all meals during the Symposium!
- Ensuring 6,000+ trees are planted annually to offset carbon dioxide emissions resulting from travel to and from the Symposium!

These efforts, and more, are helping to:

- reduce SC travel to and from meetings to organize the Symposium;
- reduce the use of paper in our work; and,
- accept carbon responsibility and reduce our impact on the planet!



WE ARE PLEASED TO PLANT TREES

In Honour of the Delegates of the 2018 Latornell Conference

Toronto: 416.646.1193
Toll Free: 1.877.646.1193
info@forestsontario.ca
www.forestsontario.ca



LittaTrap™

A simple solution to reduce the amount of plastic entering our waterways

Visit us at **Booth 28** in Gallery B to find out more or meet us at the Wine & Cheese Event



Protecting the future of our waterways

WWW.ENVIROPOD.COM

DAY THREE

PROFESSIONAL DEVELOPMENT BREAKFAST WITH CHER JONES

7:30 AM - 8:45 AM (Room 41)

Cher Jones

Social Media Trainer & Personal Branding Coach



Cher Jones is a Social Media Trainer & Personal Brand Strategist with the love of technology hardwired into her personality. She leverages over 18 years of PR, marketing and broadcasting experience and has worked internationally with a wide variety of organizations including the City Of Toronto, Hong Kong Police, PokerStars, Meeting Professionals International, Canadian Decorators' Association, The UK Trade and Investment, Emirates Steel (UAE), The Ontario Ministry of Education and CBC.

Cher is dedicated to helping professionals develop S.M.A.R.T. personal brands that drive results. She's regularly invited to speak at conferences, schools, and industry events. Her passion, knowledge and expertise have many people referring to her as one of Canada's top personal branding experts. As a corporate trainer, she helps companies remain relevant and competitive with useful social media training that means business.

This is a sold out event!

This Professional Development Breakfast is sponsored by R.J. Burnside & Associates Limited.



Engineers and Environmental Consultants

Burnside has nearly 50 years of experience in providing engineering and environmental solutions that are mindful of the surrounding natural environment. Our over 350 scientists, engineers and support staff operate in 11 offices across Canada and share this commitment to environmental stewardship in all the work that we do.



Please visit us at booth #47 to discuss your next project!

www.rjburnside.com

DID YOU KNOW? INDIGENOUS COMMUNITIES HAVE STRONG LINKS TO THE GREAT LAKES

Historically, the Great Lakes were the traditional territories of several large nations, including the Odawa, Ojibwe, Chippewa, Mississauga, Oji-Cree, Potawatomi, Menominee, Ho-Chunk, Oneida, Seneca, Iroquois, Mohawk, Huron, among others.

Currently, there are approximately 75 First Nation communities inhabiting the coasts of the Great Lakes, with many more living within the watershed. All First Nations occupying the Great Lakes region are engaged in fishing, hunting, and gathering activities to varying degrees. (Source: Assembly of First Nations, www.afn.ca)

Mapping First Nations Territories, Languages and Treaties in the Great Lakes Basin

A new interactive map highlights the territories, languages and treaties of Indigenous Peoples across multiple countries including Canada, the United States, Mexico and Australia. By putting your postal code in, you can see in which First Nations traditional territory you live within the Great Lakes watershed.

Visit native-land.ca for more information



Groundwater Environmental Management Services

www.GemServicesInc.com

info@GemServicesInc.com

905.907.3077



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info@EmacOnsite.com

905.695.2892

DAY THREE

Great Lakes and Rivers

TH1A ROOM 7

Lake and Shoreline Management Plans

There are a number of plans that aim to protect and restore the Great Lakes and its shorelines. This session will provide an overview of recent initiatives, including binational Lakewide Action and Management Plans and conservation authority shoreline management plans.

Lake Huron and Lake Superior Lakewide Action and Management Plans

Rob Hyde

(Environment and Climate Change Canada)

ABCA Shoreline Management Plan

Geoff Cade

(Ausable Bayfield Conservation Authority)

Watershed Management

TH1B ROOM 8

Case Study in Watershed Management: Credit River

Learn how the Credit River is responding to land use change, how monitoring and analysis are weeding out “Fake News”, and how to use this information to trigger adaptive management.

Weeding out the Fake News on Stream and Groundwater Quality Trends

Kata Bavrlic and Jennifer Dougherty
(Credit Valley Conservation)

Long Term Trends in Fish and Aquatic Invertebrates

Phil Bird and Adrienne Ockenden
(Credit Valley Conservation)

What Do We Do Now? Implementing an Adaptive Management Framework

Loveleen Clayton and Kata Bavrlic
(Credit Valley Conservation)

Lands

TH1C ROOM 9

It All Starts with Healthy Soil

Soil health impacts the effectiveness of all other stewardship programs. Poor soil health is a challenge for urban forestry, Green infrastructure, water management and climate change adaptation and mitigation. However, there are several initiatives designed to make fundamental improvements for Ontario soils!

Beyond Organic Matter: Unlocking the Power in the Soil Microbiome

Bob Reeves

(Root Rescue)

Setting Standards for Soil Restoration and Nutrient Management on Urban Landscapes

Dean Young

(Toronto and Region Conservation Authority)

Down to Earth: Overcoming Obstacles Salvaging Topsoil for Re-Use within the Urban Environment

Jaime Douglass

(J. Jenkins and Son Landscape Contractors Ltd.)

9:00 AM – 10:15 AM

Climate Change

TH1D ROOM 11

Climate Change Adaptation and Resilience in the Great Lakes

Members of the International Joint Commission's Great Lakes Water Quality Board will host a discussion and seek input on their recent efforts and resulting recommendation that a binational approach to climate change adaptation and resilience in the Great Lakes be developed for the region.

Facilitator
Barb Sweazey
(Stratos Inc.)

Christopher Hilken
(Pollution Program)

Sandra Cooper
(Town of Collingwood)

Communications and Outreach

TH1E ROOM 1

Sharing the Science: Talking Tech with Diverse Audiences

Learn from successful projects on how to develop meaningful messaging and use multiple tools to report on complex topics in the Great Lakes watershed.

Communicating Great Lakes Science Using Indicators
Stacey Cherwaty-Pergentile
(Environment and Climate Change Canada)

Making Messages Matter for Source Water Protection Outreach
Doug MacMillan
(The Letter M Marketing)
and Susan Jagminas
(Lake Simcoe Region Conservation Authority)

Using Watershed Report Cards to Communicate Science to Various Audiences
Jane Lewington
(Conservation Ontario)

Communicating to a Community Based Audience
Michael Jacobs
(Cambium Aboriginal)

Natural Heritage and Biodiversity

TH1F ROOM 2

Strengthening Conservation Easement Agreements for Securement

Conservation easement agreements (CEA) are a tool to conserve land. How do you draft a CEA that is flexible yet strong enough to withstand legal challenges? Join this workshop to find out, and to hear an update on Ontario Land Trust Alliance's project to strengthen CEAs in Ontario.

Alison Howson
(Ontario Land Trust Alliance)
Ian C. Attridge
(Environmental Lawyer)

Workshop, Field Trips and Tours

TH1G/TH2G LOBBY

Offsite Walk | Forest Therapy - Take a Walk in the Woods

Please note this walk takes place from 9:00 AM - 12:15 PM

This offsite walk provides the background introduction of Forest Therapy Walks and will allow participants to get out of their heads and into their senses by being immersed in a natural setting.

Walk Group Leaders
Kristie Virgoe
(Kawartha Conservation)
and Stana Luxford Oddie
(Cataragui Region Conservation Authority)

DAY THREE

Great Lakes and Rivers

TH2A ROOM 7

Protecting Our Waterways through the Lake Erie Action Plan: Collaborative Solutions – Moving from Plan to Action

Collaborative effort is needed to reduce phosphorus loadings to Lake Erie by 40 percent and help reduce harmful and nuisance algal blooms. This interactive session will discuss the Canada-Ontario Lake Erie Action Plan – how it was developed, what it is, and how it is being implemented. Use your laptop or mobile device to participate in Q&A session.

NOTE: The panel will include speakers from federal and provincial agencies, Indigenous communities, municipalities, conservation authorities, agriculture sector, and environmental organizations.

Opening Remarks

Sandra George
(Environment and Climate Change Canada)

Panel Moderator

Madhu Malhotra
(Ministry of the Environment, Conservation and Parks)

Panelists

Scott Mathers
(City of London)

Jo-Anne Rzadki
(Conservation Ontario)

Bruce Kelly
(Farm and Food Care)

April Weppler
(Freshwater Future)

Watershed Management

TH2B ROOM 8

Case Study in Watershed Management: Ottawa River

How do you ensure a healthy future for a watershed the size of a small country? Come and learn how governments, CAs, municipalities, and a grassroots charity are collaborating on the Ottawa River.

The Gatineau Declaration and Health Assessment of the Ottawa River Basin

Meredith Brown
(Ottawa Riverkeeper)

Ottawa River Watershed Study

Laura Cervoni
(Environment and Climate Change Canada)

Partnering on Freshwater and Watersheds in Renfrew County

Kathryn Lindsay
(Bonnechere River Watershed Project)

Common and Shared Conservation Authority Issues

John Karau
(Mississippi Valley Conservation Authority)

Lands

TH2C ROOM 9

From the Field to the Consumer - Managing Nutrients Wisely

Nutrient availability is a requirement for plant growth, from the home vegetable garden to more conventional cropping systems. However, like balancing a chequebook, we have to ensure that the “deposits” match the “withdrawals” and there are unforeseen challenges that affect the outstanding balance. This session will focus on two programs to manage nutrients from two very different food production systems.

Farming Sustainability with 4R Nutrient Stewardship

Anne Loeffler
(Grand River Conservation Authority)
and **Dale Cowan**
(AGRIS Co-operative Ltd.)

Sustainable Solutions for Food and Vegetable Processors and Packers

John Van de Vegte
(Ontario Ministry of Agriculture, Food and Rural Affairs)

10:45 AM – 12:15 PM

Climate Change

TH2D ROOM 11

Climate Change Adaptation Planning

This session will present innovative government strategies and programs to adapt to climate change.

Climate Change Adaptation Planning in Ontario: The ECO's Perspective

Carolyn Shaw
(Environmental Commissioner of Ontario)

Source Water Protection Handbook for Adapting to Climate Change

Glenn Milner
(Ontario Climate Consortium) and **George Jacoub**
(Ministry of the Environment, Conservation and Parks)

Up North on Climate Change

Dr. David Pearson
(Laurentian University)

Communications and Outreach

TH2E ROOM 1

Experiential Learning: Connecting Students to the Great Lakes

Curriculum-based experiential learning initiatives to promote local partnerships with conservation authorities and opportunities for connecting high school students to the Great Lakes watershed.

Panel Moderator

Elizabeth Everhardus
(Ministry of the Environment, Conservation and Parks)

Panel: Connecting Students to the Great Lakes

Teresa Hollingsworth
(Upper Thames River Conservation)

Erin Mutch
(Thames Valley District School Board)
 @erinmutch

Betsy McClure
(Kettle Creek Conservation Authority)
 @KettleCreekCA

John Mesman
(South Nation Conservation)

Reilly Henderson
(North Bay-Mattawa Conservation Authority)
 @theNBMCA

Natural Heritage and Biodiversity

TH2F ROOM 2

Stream and Valley Connectivity, Protection and Restoration

Learn how three different organizations are addressing watershed connectivity challenges to enhance habitat within their watersheds.

Reconnecting Canada: The Million Mile Effort

Kelly Mason
(Trout Unlimited)

Fish and Wildlife Habitat Connectivity at Road Crossings in the Credit River Watershed

Erika Nardone
(Credit Valley Conservation)

Courtcliffe Park Creek Restoration: The Role of Collaboration

Kent Rundle
(Conservation Halton)

Workshop, Field Trips and Tours

TH1G/TH2G LOBBY

Offsite Walk | Forest Therapy - Take a Walk in the Woods [Continued]

Please note this walk takes place from 9:00 AM - 12:15 PM

This offsite walk provides the background introduction of Forest Therapy Walks and will allow participants to get out of their heads and into their senses by being immersed in a natural setting.

Did You Know? Many Conservation Areas Are Located near the Great Lakes

The Great Lakes and St. Lawrence River nourish our spirits with spectacular scenery and provide numerous opportunities for all of us to step into nature. Enjoying shoreline vistas, hiking trails or just having a picnic or a quiet cup of coffee while listening to the waves and rustling wildlife remind us of our important and historical connections to our natural world. There are many Conservation Areas with views of or access to the Great Lakes!

You can visit Ontario's Conservation Areas website (ontarioconservationareas.ca/explore-the-shore) and start your journey to Explore the Shore!

DAY THREE

THURSDAY LUNCHEON PROGRAM

LATORNELL LEADERSHIP AWARD CEREMONY

The Latornell Conservation Symposium honours individuals who have demonstrated outstanding contributions to the field of conservation. They are recognized for their innovation, leadership and dedication to the conservation field. Either through their personal activities and/or leadership, they have gone beyond the call of duty or responsibility to an employer, client, or their community.

For further information on our 2018 award recipients please see the special Latornell Leadership Awards Program which will be available at the awards luncheon.

Master of Ceremonies:

Lisa Turnbull

**Senior Project Manager, Project Management Services
Toronto and Region Conservation Authority (TRCA)**

Lisa Turnbull is the Past Chair of the Latornell Steering Committee and a Senior Project Manager at the Toronto and Region Conservation Authority (TRCA). Her responsibilities with the Project Management Office at TRCA include managing the initiation, planning, execution, control and close out phases for a diverse range of environmental projects and Environmental Assessment studies.



2018 LEADERSHIP AWARD RECIPIENTS



Nels Conroy, Lively (Sudbury) ON

Retired – Chair of Sudbury Source Protection
Committee

Nominated by: Sudbury Source Protection
Authority, Sudbury ON



Shelley Macpherson, Manotick ON

Regulations Enforcement Office, Rideau
Valley Conservation Authority

Nominated by: Mississippi Valley
Conservation Authority, Carleton Place ON



Brian Denney, Collingwood ON

Retired Chief Executive Officer, Toronto and
Region Conservation Authority (TRCA)

Nominated by: Toronto and Region
Conservation Authority (TRCA) Toronto ON



Terry Murphy, Belleville ON

General Manager, Quinte Conservation

Nominated by: Quinte Conservation,
Belleville ON

THURSDAY LUNCHEON PROGRAM

LATORNELL LUNCHEON KEYNOTE SPEAKERS

Autumn Peltier

Water Advocate

Autumn has been advocating for “sacred water” for the last couple of years. She attended the Children’s Climate Conference in Sodertalje, Sweden, where she delivered her message about the importance of clean drinking water. The Assembly of First Nations Youth Council passed a resolution supporting Autumn’s advocacy with the creation of a fund to assist First Nations people across Canada dealing with water crises. Her work continues with talks and presentations to young people and First Nations communities across her territories. She hopes to finish school, travel and study law and political science so that she can advocate for her people at a higher level in the future.

In Autumn’s words – **“We wouldn’t be able to live without water. Nothing would.”**



Dr. Robin Kimmerer

Professor of Environmental and Forest Biology at the State University of New York College of Environmental Science and Forestry

Dr. Robin Kimmerer is a mother, plant ecologist, writer and Teaching Professor at the SUNY College of Environmental Science and Forestry in Syracuse, New York. She is the founding Director of the Center for Native Peoples and the Environment whose mission is to create programs which draw on the wisdom of both indigenous and scientific knowledge for our shared goals of sustainability.

Robin is an enrolled member of the Citizen Potawatomi Nation.

In collaboration with tribal partners, she and her students have an active research program in the ecology and restoration of plants of cultural significance to Native people. She also works to introduce the benefits of traditional ecological knowledge to the scientific community, in a way that respects and protects indigenous knowledge.

Dr. Kimmerer holds a BS in Botany from SUNY ESF, an MS and PhD in Botany from the University of Wisconsin and is the author of numerous scientific papers on plant ecology, bryophyte ecology, traditional knowledge and restoration ecology. As a writer and a scientist, her interests in restoration include not only restoration of ecological communities, but restoration of our relationships to land.

She lives on an old farm in upstate New York, tending gardens both cultivated and wild.



DAY THREE

Great Lakes and Rivers

TH3A ROOM 7

Leamington Tributaries Priority Area – Influences of Greenhouse Effluent and Mitigation Actions

The Leamington Tributaries are identified as a priority watershed for phosphorus reduction in the Great Lakes Water Quality Agreement. This area is made up of several small watercourses under the influence of greenhouse effluent in the southwestern area of Essex County where phosphorus concentrations among the highest in the province. This session will examine the results of water quality monitoring programs as well as current actions to reduce phosphorus levels in these watersheds.

Monitoring Greenhouse and Non-Greenhouse Influenced Streams in the Leamington Tributaries Priority Area

Katie Stammler
(Essex Region Conservation Authority)

Reducing Minor Phosphorus Leaks from Greenhouses

Vicki Hilborn
(Ontario Ministry of Agriculture, Food and Rural Affairs)

Phosphorus Reduction Strategies for Greenhouse Operations

Nathan Warkentin
(Ontario Greenhouse Vegetable Growers)

Watershed Management

TH3B ROOM 8

First Nations Water Challenges: Actions and Options

First Nations face many obstacles in securing access to clean water. Join this session to learn about partnership models and be inspired by actions taken by youth who are teaching, training, planting, and restoring watersheds.

Capacity Building Gets Its Hands Dirty: Training First Nations Youth to Achieve Environmental Results

John Millar
(Water First Education and Training Inc.)

Collaborative Water Arrangements between First Nations and Municipalities in Ontario

Sheri Longboat
(University of Guelph)

Lands

TH3C ROOM 9

Measuring Results - Stories from "The Field"

Rural stewardship has focussed on the need for multi-layer BMPs and the strategic placement of those BMPs. Demonstration projects have been used to provide education and information about the cumulative benefits of stewardship since before Art Latornell's days. This session will focus on sites that demonstrate the effectiveness of strategic and multi-layer BMPs and how they are used to educate stakeholders.

Measuring the Effectiveness of Agricultural BMPs Using Water and Sediment Control Basins

Daniel Bittman
(Ausable Bayfield Conservation Authority)

Essex County Demonstration Farm: Using Local Partnerships to Understand and Demonstrate Conservation Farming Techniques

Michael Dick
(Essex Region Conservation Authority)

2:45 PM – 4:00 PM

Climate Change

TH3D ROOM 11

Forestry Programs Addressing Climate Change Impacts

Finding concrete strategies to mitigate and adapt to the impacts of climate change are increasingly important. This session will focus on forestry programs that have led the way in this field.

Adapting Forestry Programs for Climate Change in the Lake Simcoe Watershed

Phil Davies
(Lake Simcoe Region Conservation Authority)

Adapting to Extreme Heat in Peel Region Using an Urban Forestry Approach

Jacqueline Hamilton
(Toronto and Region Conservation Authority) and **Heather Hewitt**
(Region of Peel)

Using GIS to Model Climate Change Vulnerabilities on Urban Forests for Municipal Climate Adaptation Planning

Jade Schofield
(Town of Ajax)

Communications and Outreach

TH3E ROOM 1

Great Lakes Guide: Web-Based Approach to Connecting People to Their Great Lakes

Panel discussion to introduce the Great Lakes Guide, a web-based application to connect residents to their local watersheds, with guest speakers from 4 environmental organizations.

Panel Moderator

Krystyn Tully
(Swim Drink Fish Canada)
@GL_Guide
@swimdrinkfish
@LOWaterkeeper
@krystynt

Panelists

Mark Mattson
(Swim Drink Fish Canada)
@GL_Guide
@swimdrinkfish
@LOWaterkeeper
@waterkeepermark

Marlaine Koehler
(Waterfront Regeneration Trust)
@WaterfrontRT

Marcia Cunningham
(CG+C Educational Communications)
@CGCEdComms
@SCInnovation1

Patrick Madahbee
(former Grand Council Chief, Anishinabek Nation)

Natural Heritage and Biodiversity

TH3F ROOM 2

Managing Natural Heritage Systems

This session will feature two case studies which explore how different regions are identifying, managing and monitoring Natural Heritage Systems, as required by the 2014 Provincial Policy Statement.

Closing the Gap between Knowledge and Action: Adaptive Management of CVC's Natural Heritage System Strategy

Yvette Roy
(Credit Valley Conservation)

Painting Grey County Green - Natural Heritage System Planning

Katharina Richter
(Natural Resources Solutions Inc.)

Workshop, Field Trips and Tours

TH3G/TH4G ROOM 18

Workshop I Making It Work: An Introduction to Low Impact Development

Please note this workshop takes place from 2:45 PM - 5:30 PM

This introductory workshop will cover the essential aspects of low impact development, from design considerations to construction, operation, maintenance and performance verification. Join Bill Trenouth and Kyle Vander Linden for this informative, interactive session.

Bill Trenouth and Kyle Vander Linden
(Credit Valley Conservation)
@BillTrenouth

DAY THREE

Great Lakes and Rivers

TH4A ROOM 7

Innovative Binational Initiatives to Advance Conservation Across the Great Lakes - St. Lawrence Basin

This session will showcase three innovative, partnership-based initiatives involving both funders and practitioners on both sides of the border. Speakers will provide an overview of their initiatives, and discuss the benefits, challenges and lessons learned from these unique binational approaches.

Moderator

Thea Silver

(Ontario Trillium Foundation)

 @Thea_OTF

Funding Collaboration on Infrastructure: Creative Solutions for Lake Ontario

Burkhard Mausberg

(Great Lakes One Water Partnership)

Great Lakes Mayors in Action

Nicola Crawhall

(Great Lakes and St. Lawrence Cities Initiative)

Working Together to Address Nutrient Targets Within the Lake Erie Action Plan

Lindsay Telfer

(Lake Erie Collective)

 @LTelfer

 @h2oAlliance

Watershed Management

TH4B ROOM 8

Restoring Coldwater Fisheries - from Volunteer Actions to Taking on the “Mega Slump”

Join us to learn from American and Canadian experiences in restoration of cold water trout streams – including projects both large and small.

Addressing Three Unique Impairments to Brown’s Creek - A Precedent for Ontario

Kevin Biehn

(Emmons & Olivier Resources Inc)

Bringing Back Brookies Project and Volunteer Engagement Successes in Alton ON

Jordan Graham

(Trout Unlimited Canada)

Saving a Minnesota River

Jay Michels

(Emmons & Olivier Resources Inc.)

Lands

TH4C ROOM 9

We Eat the Landscape We Want to See

People have to understand the complexity of the relationship between land management, stewardship and our choices in food. This panel will talk food choice, marketing and the impact on the environment.

Organic Certification as a Model to Improve Soil Health, Water Quality and Biodiversity

Dr. Ralph C. Martin

(University of Guelph)

Why Cattle Are Integral to Our Stewardship Program

Katherine McLeod

(Bruce Peninsula Biosphere Association)

Larry McDermott

(Plenty Canada)

4:15 PM – 5:30 PM

Climate Change

TH4D ROOM 11

Tools and Approaches to Addressing Vulnerability and Climate Change Effects

In this session, presenters from different sectors will discuss recent and innovative tools and approaches to assessing and addressing vulnerability to the effects of climate change.

Climate Change Adaptation in the Six Nations of the Grand River Community

Christopher Martin
(Six Nations Elected Council's Environment Office)

Approaches to Conducting Vulnerability Assessments in the Great Lakes Basin: A Literature Review

Suzanne Perdeaux
(Ontario Centre for Climate Impacts and Adaptation Resources)

Communications and Outreach

TH4E ROOM 1

Successful Tools for Conservation Funding

Learn from local experts on how to develop strong fundraising tools and analysis methods for building conservation programs through target setting and comprehensive messaging.

Conservation Fundraising: Foresight, Forage & Flourish

Sandi Ramsay
(Lower Trent Conservation)

Natural Heritage and Biodiversity

TH4F ROOM 2

Citizen Science Monitoring Programs

This session will provide an overview of the role of citizen science monitoring programs in Ontario, followed by two different citizen science programs that are helping to achieve effective conservation outcomes.

Improving Biodiversity Monitoring and Reporting in Ontario

Rebekah Church
(Environmental Commissioner of Ontario)

The Great Lakes Marsh Monitoring Program: A Successful Formula for Effective Conservation

Doug Tozer
(Bird Studies Canada)

Is the Coast Clear? Engaging Citizens in Great Lakes Monitoring and Influencing Change

Tineasha Brenot
(Lake Huron Centre for Coastal Conservation)

Workshop, Field Trips and Tours

TH3G/TH4G ROOM 18

Workshop | Making It Work: An Introduction to Low Impact Development [Continued]

Please note this workshop takes place from 2:45 PM - 5:30 PM

This introductory workshop will cover the essential aspects of low impact development, from design considerations to construction, operation, maintenance and performance verification. Join Bill Trenouth and Kyle Vander Linden for this informative, interactive session.

Did You Know? We Want Your Feedback

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

Following the Symposium, a link will be posted on the Latornell website and we'll also send out an email prompting delegates to fill out a survey. Providing us with your comments and contact information will enter you in a draw for a \$100 Mountain Equipment Co-op gift card.

Keep an eye out for our survey and we hope to hear from you!

MORPHOLOGY EXHIBIT

Morphology is an exciting and evolving photography exhibit, documenting the construction of a 26-hectare conservation area on the Lake Ontario shoreline. The exhibit was featured twice in 2018, receiving accolades from the art community, environmental professionals and media. The debut exhibit was held in partnership with 'Greatness: The Great Lakes Project'. Morphology challenged eleven photographers to celebrate the birth of a constructed coastal wetland and connect people with Lake Ontario. The artists gave new life to habitat structures built four metres below the level of Lake Ontario, before they were submerged and hidden from view.



Photo Credit: Annette Seip

See You Next Year



LATORNELL
CONSERVATION SYMPOSIUM

**AT THE LATORNELL CONSERVATION SYMPOSIUM
IN NOVEMBER, 2019**

**Nottawasaga Inn Resort & Conference Centre
Alliston, Ontario**

#IAmConservation

Statistics Canada indicates that women represent the majority of young university graduates, but only represent 22% of those working in science, technology, engineering, mathematics and computer science (STEM) fields. A 2017 report released by Ryerson University says that Canada 'urgently' has to figure out how to diversify its workforce in STEM fields or be left behind globally. The report is titled *Equity, Diversity and Inclusivity in Science, Technology, Engineering and Mathematics: Forging Paths to Enhanced Innovation* and recommends 'changing perceptions and challenging stereotypes'.

As part of our 25th anniversary, the Latornell Conservation Symposium is celebrating women working in conservation in Ontario. From September 10 – 14, we launched the discussion with a series of social media infographics featuring six women working in various conservation authorities and at Ontario. Each infographic covers a career-focused theme and asks each professional four questions:

- SCIENCE: How do you support conservation efforts in your daily work?
- WORK: What are some of your career highlights?
- DEVELOPMENTAL: What advice would give to someone who is interested in a career in conservation?
- ASPIRATIONAL: What impact do you hope to make through your work in conservation?

Their answers are featured on the Latornell Conservation Symposium's website. The infographics circulated on Conservation Ontario's twitter, facebook and instagram accounts, as well as Latornell's twitter account.

Conservation Authorities and Latornell Symposium partners also shared the infographics across their local networks and some even developed their own!

Participants are featured as part of a special exhibit at the Symposium.

Continue Learning After the Symposium

Visit the Latornell Conservation Symposium website after the event to download speaker presentations (as available) and resource materials on the Symposium theme.

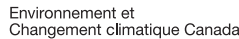
We also provide links to Exhibitors' websites where you can find more information on their products and services.

Stay Informed! Receive our e-blasts throughout the year informing you of updates and deadlines.

Just go to the Symposium website (www.latornell.ca), click on Contact Us and fill out the Mailing List Subscription Form. If you want to join the Twitter conversation, follow our Twitter feed @ADLatornell and add the hashtag #latornell to your tweets.

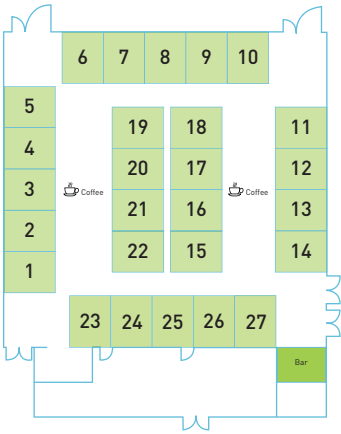


THIS YEAR'S EXHIBITORS



EXHIBITOR FLOORPLAN

EXHIBITOR GALLERY A *Crystal Ball Room*



1. Winkelmolen Nursery Ltd.
2. Computational Hydraulics International (CHI)
3. Water Canada
4. Ontario Soil and Crop Improvement Association
5. Ducks Unlimited Canada
6. Savanta Inc.
7. Savanta Inc.
8. Sustainable Technologies Evaluation Program (STEP)
9. Forests Ontario
10. Skelton, Brumwell & Associates Inc.
11. Earth Alive Clean Technologies Inc.
12. Forterra
13. Aquanty
14. Hoskin Scientific Ltd.
15. University of Guelph
16. KISTERS North America, Inc.
17. Precision Biomonitoring Inc.
18. FTS
19. Natural Resource Solutions Inc.
20. Federation of Canadian Municipalities (FCM)
21. GHD
22. GEO Morphix Ltd.
23. Canadian Water Resources Association (CWRA)
24. Environmental Commissioner of Ontario
25. Campbell Scientific Canada
26. Cambium Aboriginal Inc.
27. Ministry of Agriculture, Food and Rural Affairs

MORPHOLOGY EXHIBIT AND #IAMCONSERVATION DISPLAY

Corridor Between Exhibitor Gallery A & B

See pages 55-56 for information on the [Morphology Exhibit](#) and the [#IAMConservation](#) display.

EXHIBITOR GALLERY B *Room 10*



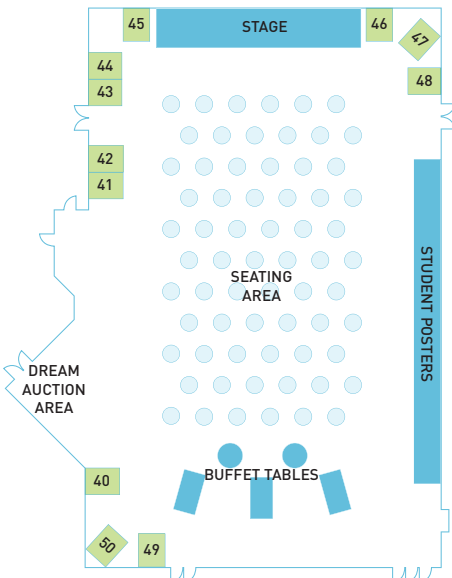
28. EnviroPod Canada Ltd.
29. Ecosystem Recovery Inc.
30. Civica
31. Conservation Ontario and Environmental Connections
32. Source Water Protection, Conservation Ontario
33. Advanced Building Materials Inc.
34. Biodiversity Education and Awareness Network (BEAN)
35. OTT Hydromet
36. Holland Marsh Growers Association's Market (HMGA)
37. HAHN Plastics
38. Environment and Climate Change Canada
39. Halltech Environmental & Aquatic Research Inc.

The Latonnell Marketplace

- MP1 The Complete Paddler
MP2 Long Point Eco-Adventures

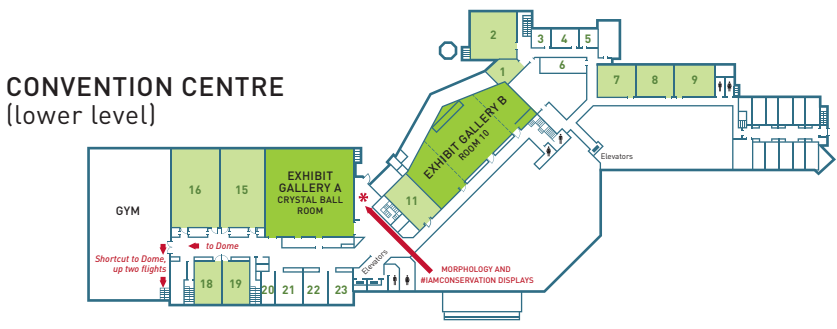
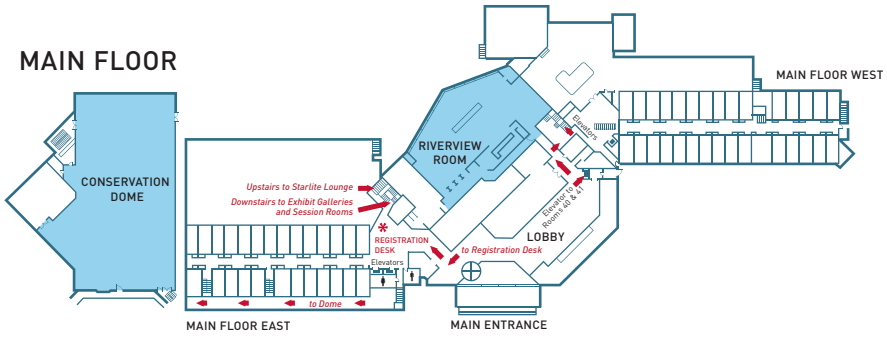
and various artists and craftsmen

CONSERVATION DOME



40. Public Services Health & Safety Association
41. Book this booth next year!
42. Book this booth next year!
43. Ontario Federation of Agriculture
44. Ontario Nature
45. Conservation Ontario
46. Conservation Ontario
47. R.J. Burnside & Associates Limited
48. Book this booth next year!
49. University of Toronto – Physical & Environmental Sciences
50. Book this booth next year!

NOTTAWASAGA INN FLOORPLAN



SESSION INFORMATION

SESSION	ROOM	MODERATOR	SESSION	ROOM	MODERATOR	SESSION	ROOM	MODERATOR
T1A	7	Erinn Lee	W1A	7	Laura Hopkins	TH1A	7	Waverley Sunday Birch
T1B	8	Amanda Shamas	W1B	8	Jessica Kowalksi	TH1B	8	Ashleigh Weeden
T1C	9	Sara Epp	W1C	9	Chloé St Amand	TH1C	9	Laura Hopkins
T1D	11	Waverley Sunday Birch	W1D	11	Olivia Colling	TH1D	11	Brooke Kapeller
T1E	1	Meredith Kadjeski	W1E	1	Sara Epp	TH1E	1	Andrew MacDonald
T1F	2	Brooke Kapeller	W1F	2	Jennifer Baron	TH1F	2	Jessica Kowalksi
T1G/T2G	Lobby		W1G/W2G	Lobby		TH1G/TH2G	Lobby	
T2A	7	Waverley Sunday Birch	W2A	7	Samantha Mulholland	TH2A	7	Natalya Garrod
T2B	8	Jennifer Baron	W2B	8	Natalya Garrod	TH2B	8	Jennifer Baron
T2C	9	Natalya Garrod	W2C	9	Waverley Sunday Birch	TH2C	9	Samantha Mulholland
T2D	11	Ashleigh Weeden	W2D	1	Erinn Lee	TH2D	11	Sylvie Spraakman
T2E	1	Olivia Colling	W2E	2	Sara Epp	TH2E	1	Erinn Lee
T2F	2	Andrew MacDonald	W2F	11	Andrew MacDonald	TH2F	2	Olivia Colling
T1G/T2G	Lobby		W1G/W2G	Lobby		TH1G/TH2G	Lobby	
T3A	7	Laura Hopkins	W3A	7	Meredith Kadjeski	TH3A	7	Amanda Shamas
T3B	8	Chloé St Amand	W3B	8	Amanda Shamas	TH3B	8	Sara Epp
T3C	9	Brooke Kapeller	W3C	9	Ashleigh Weeden	TH3C	9	Brooke Kapeller
T3D	11	Natalya Garrod	W3D	11	Samantha Mulholland	TH3D	11	Waverley Sunday Birch
T3E	1	Erinn Lee	W3E	1	Andrew MacDonald	TH3E	1	Ashleigh Weeden
T3F	2	Olivia Colling	W3F	2	Laura Hopkins	TH3F	2	Andrew MacDonald
T3G/T4G	18	Sylvie Spraakman	W3G/W4G	Lobby		TH3G/TH4G	18	Meredith Kadjeski
T4A	7	Samantha Mulholland	W4A	7	Jennifer Baron	TH4A	7	Erinn Lee
T4B	8	Ashleigh Weeden	W4B	8	Chloé St Amand	TH4B	8	Laura Hopkins
T4C	9	Amanda Shamas	W4C	9	Olivia Colling	TH4C	9	Natalya Garrod
T4D	11	Jennifer Baron	W4D	11	Sylvie Spraakman	TH4D	11	Jessica Kowalksi
T4E	1	Jessica Kowalksi	W4E	1	Jessica Kowalksi	TH4E	1	Samantha Mulholland
T4F	2	Meredith Kadjeski	W4F	2	Brooke Kapeller	TH4F	2	Chloé St Amand
T3G/T4G	18	Sylvie Spraakman	W3G/W4G	Lobby		TH3G/TH4G	18	Meredith Kadjeski