

The Annual Spring CASIOPA Conference and Workshop  
Effective Environmental Monitoring  
Presentation Schedule/Agenda

Sponsored By:

**Centre for Applied Sciences in Ontario Protected Areas (CASIOPA)**

University of Waterloo Summit Centre for the Environment  
University of Waterloo Centre for Ecosystem Resilience & Adaptation  
University of Waterloo – Department of Environment & Resource Studies

Thursday April 10 2014 & Friday April 11, 2014  
at the University of Waterloo Summit Centre for the Environment at Huntsville ON  
87 Forbes Hill Drive Huntsville ON



<https://uwaterloo.ca/waterloo-summit-centre/>  
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- **Accommodations:** Local hotels include Holiday Inn, Best Western, Motel 6, Knights Inn etc.
- **Audience** - Professionals and students from private, public, NGO and academic sectors interested in expert advice, roundtable participation, and contributing presentations to the thorny problem of how conservation science is or is not put into effective practice. Day 1 will be presentations from senior personnel in environmental monitoring; attendees then engage in roundtable discussions. Day 2 will focus on contributed presentations from attendees.
- **Formal Registration Opened Feb 28 – The Registration Fee is either \$40/person/day or a 2-day flat rate of \$50/person [= \$25/day]** (covers part of the cost of breaks, lunch, and facility rental).
- **Lead Contact / where to send registration: Email registration intent to Stephen Murphy [stephen.murphy@uwaterloo.ca](mailto:stephen.murphy@uwaterloo.ca).** Please send registration payment to Stephen Murphy at Department of Environment & Resource Studies, University of Waterloo, 200 University Avenue West, Waterloo ON, N2L 3G1. Payment is via cheque only - *cheques must be payable to the "University of Waterloo"*. If bringing payment in person: Cheques only please; we will not have cash.

## Day 1 Effective Monitoring in Protected Areas and Natural Areas

**Objectives:** Day 1 is planned around several plenary style talks that should help stimulate discussion in the afternoon about how the participants at large think about doing long term monitoring in terms of effectiveness and ability to pay for it (which can include more in-kind and partnership arrangements as budgets tighten further).

0800-0825	<b>Arrive &amp; Mingle: Coffee, Juice, &amp; Light Snacks Provided</b>
0825-0830	Opening Remarks for Conference (Steve Murphy U Waterloo)
0830-0930	Nigel Lester, OMNR Long-Term Monitoring in Lake Ecosystems
0930-1030	Ron Tozer, Algonquin Provincial Park Naturalist [ret.]: Long Term Changes in Bird Populations (Species, Migration, Timing)
1030-1050	<b>Coffee Break (provided)</b>
1050-1150	Bradley Fauteux, Managing Director, Ontario Parks: Long Term Monitoring in Provincial Parks and Protected Areas
1150-1300	<b>Lunch Break (provided)</b>
1300-1400	Dan Strickland (Algonquin PP Chief Naturalist [ret.] & Ryan Norris, Associate Professor, University of Guelph: Gray Jay Long Term Monitoring
1400-1500	Glenn Tattersall, Professor, Brock University Early Insights into a Long-Term Salamander Monitoring Program: Bat Lake Inventory of Spotted Salamanders (BLISS)
1500-1530	<b>Refreshment Break (provided)</b>
1530-1645	Roundtables – How Do We Achieve Effective Monitoring Programs?
1645-1650	Closing Remarks for Day 1 (Steve Murphy U Waterloo)
1650~1730	<b>Free time (pre-dinner)</b>
~1730-onward	<b>Dinner - We Will Suggest Some Locales &amp; Ensure People Mix and Greet</b>

## Day 2 Contributed Presentations: Applied Case Studies In Environmental Monitoring

**Objectives:** The objective of Day 2 will be to provide researchers, practitioners, and graduate students with the opportunity to present applied Ontario-based case studies pertaining to environmental monitoring. While the session is open to various protected areas issues, presentations should focus on the role of protected areas in serving scientific research and monitoring, and should address the implications for current policy, planning and management. This could include, for examples, presentations on the record of research and monitoring in parks and how this is influencing decision-making/policy/management at various levels (e.g., species at risk, wildlife management, ecological restoration efforts, invasive species, climate change). Each speaker has 15 Minutes + 5 Minutes for questions. We staggered sessions to allow for breaks, lunch, and departure at a civilized time. OPEN SESSIONS 1-2 LISTED ON THIS PAGE; OPEN SESSION 3 LISTED ON NEXT PAGE.

0800-0815	<b>Coffee, Juice, Light Snacks Provided to Start the Day</b>
0815-1035	<p><b>Open Session 1 - <u>NOTE START TIME IS NOW 0815</u></b></p> <ul style="list-style-type: none"> <li>• 0815 Herpetofauna monitoring in Presqu'île Provincial Park: A long term project in its infancy? (Sean Boyle &amp; Jacqueline Litzgus, Laurentian U; Corina Brdar, Ontario Parks; David Lesbarrères, Laurentian U)</li> <li>• 0835 Management Scenarios: A tool for maintaining ecological integrity in a changing climate (Kelly Moores, &amp; Steve Murphy, U Waterloo, Scott Parker Parks Canada)</li> <li>• 0855 Monitoring earthworm invasion and ecosystem change in Ontario forests (Mike McTavish &amp; Steve Murphy, U Waterloo)</li> <li>• <u>0915+0935 double presentation</u> Understanding the sheltered life: Forty years of turtle research in Algonquin Provincial Park (Ronald Brooks, U Guelph: Jacqueline Litzgus &amp; Matt Keevil &amp; Patrick Moldowan, Laurentian U)</li> <li>• 0955 Seeing spots: population and reproductive monitoring of Spotted Salamanders (<i>Ambystoma maculatum</i>) in Central Ontario (Patrick Moldowan, Laurentian U; Glenn Tattersall, Brock U; Jennifer Hoare, OMNR).</li> <li>• 1015 A Conservation Authority Perspective: Working Towards Integrated Monitoring in Conservation Halton's Protected Areas (Nigel Finney, HRCA)</li> </ul>
1035-1100	<b>Coffee Break (provided)</b>
1100-1200	<p><b>Open Session 2</b></p> <ul style="list-style-type: none"> <li>• 1100 Long-Term monitoring of a Massasauga rattlesnake (<i>Sistrurus catenatus</i>) population in Killbear Provincial Park (Kenton Otterbein, Killbear PP; Michael Colley, Michael Laurentian U)</li> <li>• 1120 Long-term population dynamics of an unexploited lacustrine brook trout (<i>Salvelinus fontinalis</i>) population (Algonquin Park, ON) (Erin Brown, Trent U; Mark Ridgway &amp; Gary Ridout &amp; Chris Wilson, OMNR)</li> <li>• 1140 Long term monitoring of anglers by census data (Mark Ridgway OMNR)</li> </ul>
1200-1300	<b>Lunch Break (provided)</b>

1300-1500

**Open Session 3 - NOTE START TIME IS NOW 1300**

- 1300 Long term monitoring from undergraduate student views (Timmy Nassar, Jacob Orlandi, Jessica Williamson, U Waterloo)
- 1320 Advancement of geographic information systems and ecology information in Ontario Parks Northeast (Ed Morris, OMNR)
- 1340 Long-term ecological monitoring in the northwest zone of Ontario Parks (Steve Kingston, OMNR)
- 1400 Science and management issues in addressing wildlife in CEA for Kluane National Park (Shailyn Drukis & Scott Slocombe, WLU)
- 1420 Out of the woods: Mitigating negative impacts of unused forest roads on amphibians with woody debris (David Legros & Brad Steinberg, OMNR; David Lesbarrères, Laurentian U)
- 1440 Ecological monitoring at the *rare* Charitable Research Reserve (Jenna Quinn, rare CRR)