



A.D. LATORNELL
CONSERVATION SYMPOSIUM
November 17-19, 2010
Nottawasaga Inn, Alliston, ON

2010 BIODIVERSITY

Connecting People, Land and Water.



UNIVERSITY
of GUELPH

2010
PROGRAM



Conference Management

Chair: **Jennifer Howley**, *Upper Thames River Conservation Authority*
 Past Chair: **Kathy Menyes**, *Hamilton Conservation Authority*
 Symposium Coordinator: **Ken Anderson**, *Allset Inc.*
 Secretary: **Jason Tran**, *University of Guelph*
 Registrar: **Teresa Cole**
 Hotel and Facilities Coordinator: **Barbara Mackenzie-Wynia**, *Ontario Nature*
 Ex-Officio: **Don Pearson**, *Conservation Ontario*
Dr. Stewart Hilts, *University of Guelph*

Steering Committee

Hassaan Basit, *Conservation Halton*
Deborah Brooker, *Ontario Ministry of Agriculture, Food and Rural Affairs*
Tony Buszynski, *Ministry of Natural Resources*
Michelle Charbonneau, *The Association of Municipalities of Ontario / City of Mississauga*
Tamara Chipperfield, *Credit Valley Conservation*
John Cottrill, *Grey Sauble Conservation*
Deborah Martin-Downs, *Toronto and Region Conservation Authority*
Jane Dunning, *Conservation Ontario*
Sara Eddy, *Fisheries and Oceans Canada*
Kim Gavine / Lisa Turnbull, *Oak Ridges Moraine Foundation*
Barbara Heidenreich, *Ontario Heritage Trust*
Jessica Isaac, *Environmental Commissioner of Ontario*

Janet Jardine, *Environment Canada / The Canadian Association on Water Quality*
Sandra Johnson, *Ministry of Natural Resources*
John Lackey, *Soil & Water Conservation Society - Ontario Chapter*
Pamela Lamba, *Ministry of the Environment*
Chris Lemieux, *Ministry of Natural Resources*
Jane Lewington, *Conservation Ontario*
Dan McDonell, *Environment Canada*
Clare Mitchell, *Ministry of the Environment*
Bill Sluiman, *Indigenous Cooperative on the Environment*
Doug Van Hemessen, *Ministry of Natural Resources*
Barbara Veale / Crystal Allan, *Grand River Conservation Authority*
Stephanie Walker, *Ducks Unlimited Canada*

Symposium Partners



Fisheries and Oceans Canada

Pêches et Océans Canada



Welcome - Chair's Message



Welcome to the 2010 A.D. Latornell Conservation Symposium. As this is the International Year of Biodiversity it is fitting that the theme of this year's conference reflects its importance.

Biodiversity refers to ecosystems and species that provide us with clean air and water; help to battle pollution, prevent flooding and erosion; as well as provide important economic and recreational services and income which we benefit from every day. A report released by the Ontario Ministry of Natural Resources estimates that biodiversity provides about \$84 billion dollars each year in ecosystem services.

Sadly, despite these impressive numbers and benefits, the state of our water, land and wildlife resources continues to decline. New research from two local reports confirms this.

The messages contained in the *Canadian Biodiversity: Ecosystem Status and Trends 2010* report aligns with the recent findings of the Ontario Biodiversity Council in their report, the *State of Ontario's Biodiversity 2010/Highlights*. While a great deal has been accomplished to protect Ontario's biodiversity through many programs and initiatives, greater efforts are necessary.

The condition of biodiversity revealed in these reports, both here in Ontario and across Canada, comes as no surprise for practitioners and policy makers working on the front lines of Ontario's environment. However, the value of these reports is two-fold:

- they help to raise the profile of the problems with the general public and decision-makers; and
- equally important, they combine the science around the state of our biodiversity, helping us to identify specific gaps and focus on the most urgent actions that need to be carried out

You can tell us what you think about Ontario's Biodiversity Strategy. Located in a new exhibit area adjacent to the *Biodiversity Café*, the Ontario Ministry of Natural Resources is poised with iPads and staff to collect your opinions and suggestions for this important document. We strongly encourage you to visit the staff of the MNR's Biodiversity Branch and members of the Ontario Biodiversity Council to discuss and examine the strategy. If you can't visit them at their booth, then please take the time to fill out an online survey found on the A.D. Latornell Symposium website www.latornell.ca.

As most of you know, the Symposium is produced and supported by many. We would like to thank our partners and exhibitors for once again participating in this year's event. We know budgets are tight for some and we appreciate your support which confirms for us that business still needs to be done around Ontario's environment. This Symposium provides such an important forum for environmental policy makers and practitioners and we couldn't do it without you.

Feedback from our participants is the key to ensuring that this annual conference continues to be a success. This year, the Steering Committee has introduced new and exciting changes to the conference. Remember to check out the Biodiversity Café and the new exhibit space. Both areas provide optimum opportunities for you network with your peers. Working with the Nottawasaga Inn, we continue to focus on making our conference 'green' – a message that was clearly a priority of the participants.

We hope you take the opportunity to share and learn while at the conference and implement this knowledge after the conference. Again, welcome to the symposium!

Yours in conservation,

Jennifer Howley, Chair

17th Annual A.D. Latornell Symposium Steering Committee



A.D. Latornell Conservation Symposium



Conservation Ontario and the Centre for Land and Water Stewardship, University of Guelph are pleased to co-host the 17th annual A.D. Latornell Conservation Symposium.

The Symposium has grown in popularity and become one of Ontario's largest annual conferences focusing on environmental and conservation issues. The A.D. Latornell Conservation Symposium provides a venue for policy-makers, practitioners, decision-makers, and other committed individuals and agencies

to meet, network, share ideas and promote partnerships for the betterment of Ontario's environment.

This popular event is named after Arthur Douglas Latornell, an important conservationist who was dedicated to the grassroots conservation movement in Southern Ontario. He helped to shape the future of conservation in Ontario by being a valued mentor to many young people who have devoted the majority of their lives to the conservation field. Arthur Latornell was also an enthusiastic promoter of Conservation Authorities.



A.D. Latornell Logo

The A.D. Latornell logo was designed to represent the significant aspects of Arthur Latornell's life and legacy. The tree symbol represents the conservation of natural resources. The trunk contains the profiles of two people. Both have their heads lowered as if exploring something on the ground. This represents the concept of mentoring – passing on knowledge to others – a key strength of Arthur Latornell.





A.D. Latornell Award of Merit



Each year, the Ontario Chapter of the Soil and Water Conservation Society (SWCS) presents the A.D. Latornell Award of Merit to a Practitioner and a Student who exemplify ways to foster the science and art of soil, water and related natural resources in order to achieve sustainability by promoting and practicing an ethic which recognizes the interdependence between people and their environment.

Winners of this award receive a full year membership to SWCS, a cash award of \$600 and one day sponsorship to the A.D. Latornell Conservation Symposium.

This year's successful candidates include:

Student Category

Ms. Erin Jaggard, B. Sc.(Hons) Environmental Science (Millgrove, Ontario)

Erin is a Graduate of Queens University where she gained her undergraduate degree in Environmental Science in 2006. She returned to Queen's in 2009 and is currently enrolled in the Geography Department's Masters Programme. Her studies focus on landscape ecology, earth system modeling and the geography of energy. Her studies have paralleled a busy volunteer schedule where she has been an instructor with the Kingston Junior Naturalists, a facilitator at the RKY centre, a volunteer with the YMCA Youth Leadership Programme and a member of the Queen's University Graduate Committee. Seasonal work has included the management of reforestation projects for numerous industries in Northern Ontario and a Field Instructor at the University's Outdoor Field School. Erin is also the recipient of the Department of Geography's Graduate Fellowship Award. Erin looks to apply her educational knowledge to research agricultural systems. Specifically she looks to study perennial bioenergy and work towards solutions to address renewable energy, soil degradation, water management and potential climate change.

Non-Student Category

Glenn MacMillan, (Toronto, Ontario)

Glenn is currently employed with the Toronto and Region Conservation Authority. Glenn has been with the TRCA since 1989 where he is a senior manager responsible for directing technical staff in the fields of stormwater management, floodplain management, erosion and sediment control, green building design and sustainable technology evaluation. He is a graduate of Ryerson in their civil engineering programme and since that time has spent his professional career planning, design, constructing and monitoring a variety of stormwater management facilities, erosion and sediment control measures and numerous best management practices. In this regard he led the development of an Erosion and Sediment Control Guideline for Urban Construction sites for the Greater Golden Horseshoe Area Conservation Authorities. He is currently chairperson of the Conservation Ontario Integrated Water Management Technical Committee for Stormwater Management and Erosion & Sediment Control. He has worked on numerous provincial and national technical committees related to stormwater management and is currently a Board of Director for the Canada Green Building Council Greater Toronto Chapter which is currently developing LEED for Neighbourhoods in Canada. Glenn is a member of the Ontario Association of Civil Engineering Technicians and Technologists, International Erosion Control Association and Sustainable Enterprise Academy.



2010 Program at a Glance

Wednesday, November 17, 2010

- 8:00 AM – 10:00 AM Registration**
- 10:00 AM – 10:30 AM Welcome and Introductions**
Jennifer Howley, *Symposium Chair and Master of Ceremonies*
Greetings by Mayor Mike MacEachern, *Town of New Tecumseth*
Opening Remarks by the Honourable Linda Jeffrey,
Minister of Natural Resources
- 10:30 AM – 12:00 PM Opening Plenary Session**
Keynote Speakers
Dr. Wayne Roberts, *The More, the Merrier: Why the World Needs Biodiversity and the Wide Range of Diverse Things Conservation Areas Can Do to Enhance the World's Merriment*
Gord Miller, *The Four Environmental Issues That Really Matter: And How They Will Change Everything*
- 12:00 PM – 2:00 PM Lunch with Guest Speaker**
Dr. Mathis Wackernagel, *Opportunities for Building a Resilient and Biodiversity-friendly Economy*
- 2:00 PM – 3:30 PM Concurrent Sessions**
 W1A Natural Channel Systems and Biodiversity
 W1B Water & Climate Change
 W1C Natural. Heritage. Systems. - Three Little Words, One Big Concept
 W1D Traditions and Teachings: Our Legacy and our Future?
 W1E Food & Stewardship
 W1F Perspectives on the Biodiversity Agenda - Part I
 W1G Put Your Best Foot Forward
- 3:30 PM – 4:00 PM Refreshment Break**
- 4:00 PM – 5:30 PM Concurrent Sessions**
 W2A Integrated Watershed Management and Biodiversity
 W2B Adapting and Mitigating Climate Change
 W2C Tools of the Trade: Building Up Biodiversity
 W2D Exploring Transition in our Communities
 W2E Farmers and Biodiversity Projects
 W2F Perspectives on the Biodiversity Agenda - Part II
 W2G Science, Stargazing and Volunteers
- 5:30 PM – 7:00 PM Exhibit Halls Wine and Cheese**
- 7:00 PM – 8:00 PM Harvest Banquet Dinner**
Soil and Water Conservation Society A.D. Latornell
Award of Merit
- 8:00 PM – 11:00PM Chart Your Own Course & Desserts in the Exhibit Hall**
- 10:30 PM – 11:30 PM Hospitality Suite in Room 41**

Thursday, November 18, 2010

- 8:00 AM – 10:00 AM Registration**
- 8:30 AM – 10:00 AM Concurrent Sessions**
T1A Watersheds from the Coast to Headwaters:
 NGO Perspectives on Biodiversity
T1B Workshop on the CUAHSI Hydrological Information System (HIS) –
 Innovation in Technology
T1C The Ghosts of Biodiversity Past, Present and Future
T1D Witnessing and Understanding Change –
 Diverse Solutions to Diverging Conditions
T1E Community Lake Stewardship
T1F Invasive Threats
T1G Visual Communications 1: The Science of Arts
- 10:00 AM – 10:30 AM Refreshment Break**



10:30 AM – 12:00 PM

Concurrent Sessions

- T2A Integrated Watershed Management – Managing Collaborations
- T2B Walkerton – “The History”
- T2C Our Ecosystems’ Secret Services
- T2D Borrowing from Nature
- T2E Community Lake Stewardship
- T2F Restoring Native Species
- T2G Visual Communications 2: The Arts of Science
- T2H CUAHSI Hydrological Information System (HIS) Workshop – Getting into the Details

12:00 PM – 1:45 PM

A.D. Latornell Pioneer Award Luncheon

12:40 PM – Tree Planting Cheque Presentation

*Trees Ontario, Nottawasaga Foundation
and Nottawasaga Valley Conservation*

1:00 PM – 1:45 PM – Pioneer Award Ceremony

Pioneer Awards Host:

Kim Gavine, Oak Ridges Moraine Foundation

2:00 PM – 3:30 PM

Concurrent Sessions

- T3A Using Watershed Report Cards to Influence and Engage Decision-Makers and Residents to Protect Biodiversity
- T3B Walkerton – “The Road Ahead”
- T3C Reptiles + Amphibians + Southern Ontario = At Risk
- T3D Win, Win Win!
- T3E Community Engagement through the Application of the Landowner Stewardship Guide
- T3F Biodiversity through Biomonitoring
- T3G More Than Just the 3 R’s

3:30 PM – 4:00 PM

Refreshment Break

4:00 PM – 6:45 PM

Student Poster Display and Competition

4:00 PM – 7:00 PM

Dream Auction

7:00 PM – 9:00 PM

Gala Banquet

8:00 PM – 9:00 PM

Comedy Performance by *The Second City*

9:00 PM – 11:00 PM

Hospitality Suite in Room 41

Friday, November 19, 2010

7:00 AM – 10:00 AM

Registration

7:00 AM – 8:00 AM

Early Bird Conservation Breakfast

7:45 AM – 8:15 AM

Keynote Speaker:

Dr. Bill Dennison, *Communicating Science Effectively to Engage Decision-Makers*

8:30 AM – 10:00 AM

Concurrent Sessions

- F1A Climate Change Implications for Great Lakes’ Watersheds Biodiversity
- F1B Aquatic Biodiversity
- F1C Biodiversity Lost? or Found
- F1D Food: Diversifying the Urban Landscape
- F1E Urban Biodiversity & Stewardship
- F1F Modeling Natural Heritage – A Comparative Analysis
- F1G Impacts of Nature Deficit Disorder

10:00 AM – 10:30 PM

Refreshment Break

10:30 AM – 12:00 PM

Concurrent Sessions

- F2A Great Lakes Shorelines and Biodiversity
- F2B Integrating Policy Decisions Around Water Management
- F2C Maintaining Integrity... Ecologically Speaking
- F2D Community Connections
- F2E Urban Biodiversity & Stewardship
- F2F Monitoring and Tracking Biodiversity
- F2G Communicating Science Effectively

12:00 PM – 1:00 PM

Young Conservationists Luncheon & Graduation

1:00 PM – 2:00 PM

Keynote Speaker:

Richard Louv, *Nature Deficit Disorder*

2:00 PM – 2:15 PM

Wrap up



Visiting with Exhibitors

There are two areas where delegates can visit exhibitors during the A.D. Latornell Conservation Symposium. The Conservation Dome is located in the Plenary Area where keynote speakers are hosted and social events take place.

A second area, with two Exhibit Halls, is located near concurrent session rooms on the lower level of the hotel. The "Connecting Around Biodiversity" Wine and Cheese will take place in this area on Wednesday, November 17th from 5:30 PM to 7:00 PM, returning at 8:00 PM - 11:00 PM for the chocolate fountain and networking.

Wednesday, November 17, 2010

8:30 AM – 10:00 PM	Exhibit Halls Open
3:30 PM – 4:00 PM	Refreshment Break with Exhibitors
5:30 PM – 7:00 PM	Wine and Cheese in the Exhibit Halls
8:00 PM – 11:00 PM	Mix and Mingle in the Exhibit Halls with Chocolate Fountain

Wednesday's Wine and Cheese offers delegates a unique opportunity to get "nose-to-beak" with the diverse and fascinating world of birds of prey. A selection of birds will be on hand from Conservaton Halton's Mountsberg Raptor Centre.

Thursday, November 18, 2010

8:30 AM – 6:00 PM	Exhibit Halls Open
10:00 AM – 10:30 AM	Refreshment Break with Exhibitors
3:30 PM – 4:00 PM	Refreshment Break with Exhibitors

Friday, November 19, 2010

8:30 AM – 12:00 PM	Exhibit Halls Open
10:00 AM – 10:30 AM	Refreshment Break with Exhibitors

Birds of Prey

Tucked within **Mountsberg Conservation Area**, the Mountsberg Raptor Centre is currently home to 14 different species of native birds of prey. Many of the Raptor Centre's resident birds of prey have permanent injuries that have left them incapable of surviving on their own in the wild. In many cases, these injuries were caused by human activity. With the help of these feathered ambassadors, the Mountsberg Raptor Centre teaches the community about the native birds of prey that share our environment and how to reduce the negative impact we can have on them.

Program Details 2010

10:00 AM - Welcome and Introductions

- **Jennifer Howley**, Chair, *A.D. Latornell Conservation Symposium (Master of Ceremonies)*
- *Greetings by Mayor Mike MacEachern, Town of new Tecumseth*



**Opening Remarks by the Honourable Linda Jeffrey,
Minister of Natural Resources**

Since her arrival at the Provincial Legislature, Minister Jeffrey has served in a variety of positions, including Parliamentary Assistant to the Ministers of Children and Youth Services, Democratic Renewal, Intergovernmental Affairs, Citizenship and Immigration and most recently, Transportation. In January 2010, she joined the Cabinet as Minister of Natural Resources. Minister Jeffrey has been tasked with helping to deliver North America's toughest piece of conservation legislation, *The Endangered Species Act*, which was introduced in 2007. Under her direction, the Ministry of Natural

Resources continues to work collaboratively with a wide variety of partners including conservation authorities, environmental organizations, industry, fish and game associations, researchers, and other government agencies of all levels.

10:30 AM to Noon - Plenary Session / Keynote Speakers



**The More, the Merrier: Why the World Needs Biodiversity
and the Wide Range of Diverse Things Conservation Areas
Can Do to Enhance the World's Merriment**

Dr. Wayne Roberts, Toronto Food Policy Council

Wayne Roberts is best known for his management of the Toronto Food Policy Council (TFPC), a citizen body of 30 food activists and experts that is widely recognized for its innovative approach to food security. As a leading member of the City of Toronto's Environmental Task Force, he helped develop a number of official plans for the city, including the Environmental

Plan and Food Charter, adopted by Toronto City Council in 2000 and 2001 respectively. Many ideas and projects of the TFPC are featured in Roberts' book *The No-Nonsense Guide to World Food* (2008). In 2002, he received the Canadian Environment Award for his contributions to sustainable living. NOW Magazine named Roberts one of Toronto's leading visionaries of the past 20 years.



**The Four Environmental Issues That Really Matter:
And How They Will Change Everything**

Gord Miller, Environmental Commissioner of Ontario

Gord Miller is the Environmental Commissioner of Ontario, the province's independent environmental watchdog. Appointed by the Legislative Assembly, the Environmental Commissioner of Ontario is tasked under the Environmental Bill of Rights with publicly reporting on the government's environmental decision-making. Commissioner Miller was first sworn in as the Environmental Commissioner of Ontario on January 31, 2000.

He oversees 14 ministries and monitors and reports annually on Government compliance with the provisions of the EBR, Government progress on reducing greenhouse gas emissions and activities in Ontario to reduce the use or make more efficient use of electricity, natural gas, propane, oil and transportation fuels. Prior to his appointment as Environmental Commissioner on January 31, 2000, Gord Miller worked as a scientist in pollution abatement and in environmental education and training.

Luncheon Keynote Speaker



**Opportunities for Building a Resilient
and Biodiversity-friendly Economy**

Dr. Mathis Wackernagel, Global Footprint Network

Mathis Wackernagel, Ph.D., is co-creator of the Ecological Footprint and President of Global Footprint Network, an international sustainability think-tank dedicated to bringing about a sustainable human economy in which all can live well, within the means of one planet. By promoting the use of the Ecological Footprint, Global Footprint Network is working to make ecological limits central to decision-making everywhere. Mathis has worked on

sustainability on six continents and lectured at more than a hundred universities worldwide. Beginning in 2011, he will be the Frank H. T. Rhodes Class of 1956 Visiting Professor at Cornell University.

DAYone

Watershed Management

Water

Natural Heritage

W1A

W1B

W1C

Natural Channel Systems and Biodiversity

Water and Climate Change

Natural Heritage Systems. - Three Little Words, One Big Concept

Room 10

Room 15

Room 6

The stream corridor includes the active channel, its riparian zone, floodplain and defined valley. This system is a critical component of a healthy watershed and constitutes a major part of a watershed's natural infrastructure. This session will examine connections between stream corridors to the watershed and biodiversity.

Moderated by Jack Imhof
(Ministry of Natural Resources)

- Stream Corridors as an Essential Component of Biodiversity and Natural Infrastructure, **Jack Imhof**
(Ministry of Natural Resources)
- Ecological Streamflows with Geomorphic Functions, **Ashraf Al Zaghal**
(University of Guelph)
- Protecting Headwater Drainage Feature Functions through Urbanization, **Laura Del Giudice**
(Toronto and Region Conservation Authority)
- Applying the Nine Step Analysis Procedure of Adaptive Management to an Urban Watercourse - Highland Creek: Lessons Learned, **Mariëtte Pushkar**
(Aquafor Beech Limited)

This session will focus on how Conservation Authorities and provincial programs are meeting and what can be done to leverage the impact of the 59 recommendations within the provincial Expert Panel on Climate Change Adaptation's November 2009 report.

- Adapting to Climate Change in Ontario - Recommendations of the Expert Panel on Climate Change Adaptation, **Dr. David Pearson**
(Co-Chair Ontario's Expert Panel on Climate Change Adaptation)
- Provincial Guide for Assessment of Hydrologic Effects of Climate Change in Ontario, **Sam Bellamy**
(AquaResource)
- **Debbie Ramsay and Kathleen O'Neill**
(Ministry of the Environment)

This session will focus on the efforts of a variety of organizations to develop plans for the protection of biodiversity at the landscape level.

- Stakeholder Engagement: A Foundation for Natural Heritage Systems (NHS) Identification and Conservation in Leeds & Grenville Counties, **Elizabeth Spang**
(Ministry of Natural Resources)
- Towards a Natural Heritage System for the Credit River Watershed, **Dr. Aviva Patel**
(Credit Valley Conservation)
- Mapping Our Natural Heritage: A Vision for Muskoka, **Phung Tran**
(Ministry of Natural Resources & formerly of the Muskoka Heritage Foundation) and **Judi Brouse**
(District of Muskoka / Muskoka Watershed Council)

2:00 - 3:30 PM



Inspiring Sustainability	Community Stewardship	Biodiversity	Communications, Outreach and Education
--------------------------	-----------------------	--------------	--

W1D	W1E	W1F	W1G
-----	-----	-----	-----

Traditions and Teachings: Our Legacy and our Future?	Food and Stewardship	Perspectives on the Biodiversity Agenda - Part I	Put Your Best Foot Forward
---	-----------------------------	---	-----------------------------------

Room 5	Room 4	Room 10A	Room 19
--------	--------	----------	---------

Cultural and spiritual knowledge traditions will highlight the interrelatedness of humans and our natural environment in this panel discussion. Topics for exploration include spiritual spaces that incorporate plants, teachings and healing, indigenous naming of places as a means of communicating ancient knowledge about that ecosystem, the importance of water teachings, and the integration of traditional knowledge with contemporary science.

Moderated by Dr. John L. Steckley
(Humber College)

- **Anthony Templer**
(Peel Aboriginal Network)
- **Shkode Neegan Waaawaaskone**
- Kim Wheatley**
(Turtle Island Conservation at Toronto Zoo)
- **Marianne Karsh**
(Arborvitae and Ignatius Jesuit Centre of Guelph)

Dr. Wayne Roberts will moderate this session in which we'll discuss the influence of our food production and food consumption practices on the diversity of the rural landscape.

Moderated by Dr. Wayne Roberts
(Toronto Food Policy Council)

- **Farming the Park, Elbert van Donkersgoed**
(Terra Coeur)
- **Making Space for Agriculture: A New Way of Doing Business, Gary Wilkins**
(Toronto and Region Conservation Authority)
- **Farm to Fork: Restoring Local Food Systems through Urban Agriculture, Jason Tran**
(University of Guelph)

Please attend both sessions. The first part of this session explores the issues and opportunities in the Province for biodiversity with a series of presentations representing various government and NGO viewpoints. A facilitated panel discussion will ensue with opportunities for audience interaction.

- **The Provincial Perspective, Eric Boysen**
(Ministry of Natural Resources)
- **The Watchdog's Perspective, Gord Miller**
(Environmental Commissioner for Ontario)
- **The First Nations Perspective, Paul General**
(Six Nations Land and Resources, Wildlife Eco-Centre)
- **The NGO Perspective, Michelle Kanter**
(Carolinian Canada Coalition)

Communicating information successfully to the media requires a well-prepared strategy and an understanding of what the media expects from you. The information in this media training session will provide a framework so that when journalists call, you can take control and respond in a relaxed and confident manner.

- **Put Your Best Foot Forward, J.J. Beechie and Doug Skeggs**
(Ministry of Natural Resources)

Watershed Management

Water

Natural Heritage

W2A

W2B

W2C

Integrated Watershed Management and Biodiversity

Adapting and Mitigating Climate Change

Tools of the Trade: Building Up Biodiversity

Room 4

Room 10

Room 6

Integrated watershed management (IWM) provides an opportunity to address the loss of biodiversity in Ontario's ecosystems. The session will discuss the concept of linking biodiversity into IWM and how it has successfully been completed by provincial and local agencies.

- Creating the Context for Biodiversity Management through IWM, **Jack Imhof** (Ministry of Natural Resources)
- Measuring the Success of Watershed Based Fisheries Management Plans: Science and Planning Meet, **Christine Tu** (Toronto and Region Conservation Authority)
- Protecting Biodiversity with Watershed Based Provincial Policy: The Lake Simcoe Protection Plan, **Jason Borwick** (Ministry of Natural Resources)

Low Impact Development - a continuation of the previous session with a focus on innovative stormwater management practices.

- Developing Stormwater Management Criteria to Protect Fisheries and Natural Heritage, **Sameer Dhalla** (Toronto and Region Conservation Authority)
- The Low Impact Development Stormwater Management Guide – A Further Evolution of Stormwater Management in Ontario **Dean Young** (Toronto and Region Conservation Authority)
- Landscape Design Guide for Low Impact Development, **Robb Lukes** (Credit Valley Conservation Authority)

This session will outline some of the methods or tools used by those planning for biodiversity.

- Documenting Biodiversity: DNA Barcoding, **Robert Hanner** (Canadian Barcode of Life Network / Biodiversity Institute of Ontario, University of Guelph)
- Using the New Natural Heritage Reference Manual to Integrate Biodiversity Conservation Into Land Use Planning, **Greg Pulham and Michael Bevan** (Ministry of Natural Resources)
- Protecting Biodiversity with Strategic Lands Securement, **Robert Orland and Rebecca Zeran** (Ministry of Natural Resources)

Ontario beneath our feet

Geoscience data and information to meet your needs available at <http://www.geologyontario.mndmf.gov.on.ca/>





Inspiring Sustainability	Community Stewardship	Biodiversity	Communications, Outreach and Education
W2D	W2E	W2F	W2G
Exploring Transition in our Communities	Farmers and Biodiversity Projects	Perspectives on the Biodiversity Agenda - Part II	Science, Stargazing and Volunteers
Room 5	Room 18	Room 10A	Room 19
<p>As we head for a future affected by the realities of diminishing oil and gas supplies and climate change, communities are developing strategies to address these challenges. Explore how dedicated individuals are creatively empowering themselves in the face of impending change.</p> <ul style="list-style-type: none"> ◉ We Are Now Official – Now What?, Mike Fox (<i>Transition Town Barrie</i>) ◉ Economic Relocalization Framework, Fred Irwin (<i>Transition Town Peterborough</i>) ◉ The Heart and Soul of Transition, Sue McKee, (<i>Transition Town York Region</i>) 	<p>Many Ontario farmers undertake projects to benefit biodiversity, wildlife and habitat. Each project has its joys and challenges. Three farmers from different parts of Ontario will share their experiences on what they were hoping to achieve, the challenges and the final results. The future of Ontario's biodiversity depends on such stewardship actions and the support that can be given to landowners like these. Tools like the Environmental Farm Plan, Canada-Ontario Farm Stewardship Program and the Species-at-Risk Farm Incentive Program help support actions like these.</p> <ul style="list-style-type: none"> ◉ On-Farm Projects for Loggerhead Shrike, Nancy Tilt (<i>Halton County farmer and freelance writer</i>) ◉ COFSP: Connecting Farmers and Biodiversity, Dr. Bill Ford (<i>Grey County agricultural landowner</i>) ◉ Biodiversity as It Relates to Terwidlen Farms, Tom Barrie (<i>Durham Region farmer</i>) 	<p>This is a moderated session with a panel discussion on emerging and current issues for biodiversity and solutions that can be applied. These four speakers will be discussing preselected questions and taking questions from the audience. It is our intent to tape this session.</p> <ul style="list-style-type: none"> ◉ Eric Boysen (<i>Ministry of Natural Resources</i>) ◉ Gord Miller (<i>Environmental Commissioner for Ontario</i>) ◉ Paul General (<i>Six Nations Land and Resources, Wildlife Eco-Centre</i>) ◉ Michelle Kanter (<i>Carolinian Canada Coalition</i>) 	<p>This session will highlight two innovative programs from western Canada that are helping to inspire citizen scientists and eco-tourists. One project demonstrates the value of engaging volunteers to collect and share scientific data, the other looks at combining conservation and stargazing to raise awareness of natural spaces and inspire explorations of the night sky. Both presenters will explore the significance of volunteers' contributions and the opportunities for public engagement through nature discovery.</p> <ul style="list-style-type: none"> ◉ The Biogeographic Atlases of BC: Building Communities and Generating Knowledge, Brian Klinkenberg (<i>University of British Columbia</i>) ◉ Wilderness Astronomy: Facilitating a New Kind of Eco-Tourism, Peter McMahon (<i>Wilderness Astronomy.com</i>)



5:30 PM to 7:00 PM - Exhibit Halls Wine and Cheese

Delegates are invited to join us for networking and 'gnoshing' at the Exhibit Halls Wine and Cheese event taking place in the lower level of the Nottawasaga Inn & Conference Centre on Wednesday, November 17th from 5:30 - 7:00 PM. Desserts – including a chocolate fountain – will be offered in the Exhibit Halls after dinner as well.

Our Exhibit Halls have undergone some changes this year which we hope you will enjoy. A Biodiversity Café has been installed within a new exhibit area in the lower level near the doors to the outdoor patio. As well, we have added a second Exhibit Hall which is located right beside this area.

The Ontario Ministry of Natural Resources and Biodiversity Council members are featuring lots of information on the state of Ontario's biodiversity and are looking for your feedback on Ontario's 2010 Biodiversity Strategy.

The evening's festivities will also allow delegates to get up close and personal with a number of Conservation Halton's Birds of Prey, rescued or injured birds who now help to teach the community about the native birds of prey that share our environment and how to reduce the negative impact we can have on them.

7:00 PM to 8:00 PM - Harvest Banquet Dinner

- Located in the Conservation Dome

7:30 PM to 7:50 PM - Soil and Water Conservation Society A.D. Latornell Award of Merit

7:50 PM to 8:00 PM - Wine Draw

Big Bag of Biodiverse Beverages

In keeping with our biodiversity theme, we have a big bag full of biodiversity themed wines, beers and other beverages.

A limited number of 'hot' tickets will be available for a 'timed sale' at the Harvest Banquet on Wednesday, November 18th. Tickets will be \$10. The draw will be at 7:50 PM in the Conservation Dome.

8:00 PM to 11:00 PM - Chart Your Course Event

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

- **Break out your skates and join us for a Free Skate**
(Location: Arena. Bring your own equipment.)
- **Either play or cheer for your favourite teams at the Hockey Summit**
(Location: Arena. Bring your own equipment.)
- **Continue to Mix and Mingle with Exhibitors until 10:00PM**
(Location: Exhibitor's Gallery. Conversation supplied.)

10:30 PM to 11:30 PM - Hospitality Suite in Room 41



2010 A.D. Latornell Conservation Symposium Grant

The A.D. Latornell Conservation Symposium Grant was established in the memory of Art Latornell to support deserving 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. Additionally this year, funding is provided by the Ministry of the Environment's Ontario Drinking Water Stewardship Program and the Sedimentary Geoscience Section of the Ontario Geological Survey, Ministry of Northern Development, Mines and Forestry.

Since 2002, a total of 140 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. Applicants must declare and demonstrate that without the grant they would be unable to attend the symposium.

Recipients receive one - three day registration package, including conference meals, and 2 nights accommodations at the Nottawasaga Inn. Individuals interested in applying for the 2011 Symposium are encouraged to do so at www.latornell.ca/grant.html.

"The A.D. Latornell Conservation Symposium Grant provided me a wonderful opportunity that would have otherwise been unavailable. The symposium gave me the chance to meet other conservation professionals, to learn about new initiatives, projects and work being done in the conservation field and to continue my own professional development. Overall, the grant process and symposium were great experiences and I would not hesitate to recommend either to others."

Matt Goodchild, *Centre for Sustainable Watersheds*

"The A.D. Latornell Conservation Symposium was an amazing opportunity to learn about the new innovations in environmental stewardship and the realities of working in the environmental field. I met a diverse group of grant recipients as well as engaging delegates and speakers. I was very impressed with the Symposium and grant program's commitment to honour A.D. Latornell's memory by focusing on mentorship and experiential learning for young people. It was an amazing experience, which helped to strengthen my resolve to pursue a career to better the environment and opened my eyes to the vast opportunities available after school. It's a Symposium I won't soon forget!"

Liane Langstaff, *University of Guelph*.



What does **biodiversity** mean to you?

Join the Ontario Biodiversity Council, the Ministry of Natural Resources and people from across the province as we renew Ontario's Biodiversity Strategy this fall.

Visit the Latornell Biodiversity Café in the lobby or ontariobiodiversitycouncil.ca to learn more and get involved!

WALKERTON: FROM TRAGEDY TO EXCELLENCE

This year marks ten years since the drinking water in small town of Walkerton, Ontario was contaminated by E coli bacteria killing seven people and making over 2,000 people very ill. The effects are still felt today by a number of Walkerton residents, yet with the support of the municipality, province, agencies and the private sector, residents are moving forward locally, and even reaching out globally to others who struggle for clean drinking water.



Some of the steps taken since the tragedy include: mandatory drinking water standards, new water-related legislation, a source water protection process, better training and certification of operators, licensing of all municipal residential drinking water systems, and regular review, revision and reporting of drinking water standards and conditions.

The community of Walkerton has also moved forward:

- the Walkerton Clean Water Agency was established ;
- a new community healing garden has been installed at the Clean Water Agency's grounds;
- youth have been targeted and provided with information on careers in the environmental and specifically water fields;
- workshops and special events have been held to commemorate the tragedy and educate residents in Walkerton and nearby communities about how to protect water sources; and
- a source protection planning committee has been established for the area to guide the development of local source protection plans.

REACHING OUT GLOBALLY: WALKERTON TO HAITI SAFE WATER PROJECT

In partnership with citizens, businesses, municipality, local school boards, churches, community organizations, Lifewater Canada and other interested parties, a new initiative has been established to raise funds to help the Haitian community re-establish safe drinking water for its citizens following a serious earthquake earlier this year.



The Walkerton to Haiti Safe Water Project is being led by a group of volunteer water professionals and citizens of Walkerton to help the Haitian community, and to share the message of work done on behalf of the citizens of Walkerton. For more information, visit www.walkertontohaiti.ca

DAYtwo

Watershed Management

Geospatial Technology

Natural Heritage

T1A

T1B

T1C

Watersheds from the Coast to Headwaters: NGO Perspectives on Biodiversity

Workshop on the CUAHSI Hydrological Information System (HIS) – Innovation in Technology

The Ghosts of Biodiversity Past, Present and Future

Room 15

Room 18

Room 10A

The complex nature of watershed management produces a unique set of challenges for the implementation of stewardship initiatives. Residential activities directly influence the quantity and quality of both ground and surface water sources. Innovative community partnerships strengthen watershed management through biodiversity based stewardship activities.

- ⦿ Effective Beach Management through Community Stewardship, **Sara Winterton** (*Environmental Defense*)
- ⦿ Urban Roles in Cold Water Stream Protection, **Christine Pritchard** (*Ontario Streams*)
- ⦿ Headwater Stewardship: Successes and Challenges, **Andrew McCammon** (*Ontario Headwaters Institute*)

CUAHSI-HIS is a ground breaking FREE internet-based system for sharing hydrologic data. It is predicated upon the setup of local 'HydroServers' enabled with web services that connect to client applications that allow for the publication, discovery and access of data. An overview of this topic will be explored along with insight into local implementation by the Niagara Peninsula Conservation Authority.

- ⦿ The CUAHSI Hydrologic Information System: Improving Access to Water Data, **Dr. Tim Whiteaker** (*University of Texas, Austin*)
- ⦿ CUAHSI HIS - CA Implementation, **Geoff Verkade and Piper McKinnon** (*Niagara Peninsula Conservation Authority*)

The past can inform how we currently approach the protection of biodiversity and help us to set appropriate targets for the future.

- ⦿ Reclaiming the Past to Inform the Future, **Dr. Danijela Puric-Mladenovic** (*University of Toronto*)
- ⦿ Biodiversity of the Mixed Wood Plains Ecozone Today, **Kim Taylor** (*Ministry of Natural Resources*)
- ⦿ A "Targets and Thresholds" Approach to Future Sustainable Landscapes, **Gary Nielsen** (*Ministry of Natural Resources*)



Fisheries and Oceans Canada

Pêches et Océans Canada

Fisheries and Oceans Canada is a proud supporter of the A.D. Latonell Conservation Symposium.

Pêches et Océans Canada est fier d'appuyer le symposium annuel A.D. Latonell sur la conservation.

Visit our new web site at: / Visitez notre nouveau site Web à : www.dfo-mpo.gc.ca/habitat/

8:30 - 10:00 AM



Inspiring Sustainability	Community Stewardship	Fish and Fish Habitat	Communications, Outreach and Education
T1D	T1E	T1F	T1G

Witnessing and Understanding Change – Diverse Solutions to Diverging Conditions

Community Lake Stewardship

Invasive Threats

Visual Communications 1: The Science of Arts

Room 10

Room 4

Room 5

Room 6

Historical and current analysis and perspectives concerning a diverging climate and the big picture. What are we seeing and what should we do about it?

- Changes in Winter Temperature and Precipitation Across Ontario and Possible Implications, **Prof. Trevor Dickinson** (*University of Guelph*)
- Adaptation by Design – the Impact of Changing Climate on Infrastructure and Ecosystem Services, **Heather Auld** (*Environment Canada*)

Volunteer-based lake associations made up of waterfront owners are becoming increasingly proactive and effective in advocating for and monitoring the health of their lakes. This session will look at how these associations and their volunteers are working with all levels of government to ensure the ecosystem health of their lakes.

- The Kawartha Lake Stewards: Improving Lake Health through Volunteer-Based Research, Monitoring and Education, **Mike Stedman** (*Kawartha Lake Stewards*)
- Mobilizing the Power of Many to Affect Change on Haliburton Lakes, **Paul MacInnes** (*Coalition of Haliburton Property Owners Associations*)
- Lake Plans: Empowering Local Communities, **Randy P. French** (*French Planning*)

Our fragile aquatic ecosystems are exposed to many different threats, directly or indirectly, caused by humans. This session will look at invasive species of concern in Ontario, such as the Asian Carp, and how they threaten native species.

- An Overview of AIS in the Great Lakes and Lake Superior's Plan for Prevention, **Nancy Stadler-Salt** (*Environment Canada*)
- Asian Carp Threat to the Great Lakes, **Scott Millard** (*Fisheries and Oceans Canada*)
- Restoring the Balance after a Century of Invasive Species Impacts in Cootes Paradise Marsh, Hamilton Ontario, **Thys Theysmyer** (*Royal Botanical Gardens*)

In this session we explore how experiences with the arts shape the brain and the promote development of the capacity to imagine alternative ways for humans to be in relation to the rest of the world. The presenters draw on theory, research, and practical examples to highlight the importance of the arts to the survival of biodiversity.

- The Science of the Arts 1, **Dr. Ann Patteson** (*Royal Conservatory of Music & Associate Professor at Queen's University*)
- The Arts of Science 1, **John Scully** (*Royal Conservatory of Music*)

DAYtwo

Watershed Management

Water

Natural Heritage

Inspiring Sustainability

T2A

T2B

T2C

T2D

Integrated Watershed Management – Managing Collaborations

Walkerton – “The History”

Our Ecosystems’ Secret Services

Borrowing from Nature

Room 15

Room 10A

Room 10

Room 19

Collaboration is an important element of successful integrated watershed management (IWM) which involves multiple jurisdictions and multiple stakeholders. Successful implementation of watershed objectives relies upon collaboration that emphasizes the link to land use planning and decision-making. For watershed and natural resource managers, this session explores important perspectives on effective collaborations.

- ⦿ Managing Collaborations from Multiple Jurisdictions to Stakeholders, **John FitzGibbon** (*University of Guelph*)
- ⦿ Collaborative IWM for Better Land Use Planning Decisions and More Resilient Natural Systems and Communities, **Laura Atkins-Paul** (*York Region*)
- ⦿ Collaboration Between Municipalities and Conservation Authorities for Community Sustainability Plans – Relationship to IWM and Opportunities for Biodiversity, Ecosystem Habitat Protection & Restoration, **Susan Hall** (*Lura Consulting*)

May 2010 marked the 10th anniversary of the Walkerton drinking water tragedy. Two sessions will be dedicated to reexamining the challenges that occurred, how the provincial government and its partners worked to resolve those problems, the status of new drinking water source protection initiatives today and best practices to protect the quality and supply of our local drinking water resources.

This session will involve presentations from experts on the challenges that were experienced 10 years ago in Walkerton, and the lessons learned.

- Moderated by Ian Smith** (*Ministry of the Environment*)
- ⦿ Walkerton Drinking Water Tragedy - The Farm and Farmer Involved, **Dr. David Biesenthal** (*Source Protection Committee Member with Saugeen, Grey Sauble, Northern Bruce Peninsula Source Protection Region*)
 - ⦿ Walkerton - The Journey from Infamy to Excellence, **Bruce Davidson** (*Concerned Walkerton Citizens & Source Protection Committee Member with Saugeen, Grey Sauble, Northern Bruce Peninsula Source Protection Region*)
 - ⦿ Ontario’s Experience in Drinking Water 10 Years After Walkerton, **John Stager** (*Ministry of the Environment*)

There’s still more to discuss about Ecosystem Services. This session will pick up where we left off last year with the theme of economic values for biodiversity.

- ⦿ Pricing the Priceless: The Ecosystem Service Values for Provincial Protected Areas in Southern Ontario, **Will Wistowsky** (*Ministry of Natural Resources*)
- ⦿ Ecosystem Services Valuation: Lessons Learned and Future Directions, **Eric Miller** (*Ministry of Natural Resources*)
- ⦿ Valuation of Wetlands in the Credit River Watershed: Implications for Protection and Restoration, **Tatiana Koveshnikova** and **Mike Puddister** (*Credit Valley Conservation*)

When re-inventing the wheel makes sense. Find out why engineers and designers are taking a few pages from Nature to build sustainable infrastructure.

- ⦿ Temperature and Nutrient Attenuation – Floating Islands in SWM Ponds, **Phil James** (*Credit Valley Conservation*)
- ⦿ 180 Degrees of Engineering – Retrofitting for LID in Established Urban Areas, **Steve Barrett** (*City of Mississauga*)
- ⦿ Functional Streetscapes – Retrofitting Roads to Integrate LID Solutions, **Mark Schollen** (*Schollen & Company*)

10:30 - 12:00 PM



Community Stewardship	Fish and Fish Habitat	Communications, Outreach and Education	Geospatial Technology
T2E	T2F	T2G	T2H
Community Lake Stewardship	Restoring Native Species	Visual Communications 2: The Arts of Science	CUAHSI Hydrological Information System (HIS) Workshop – Getting into the Details
Room 4	Room 5	Room 6	Room 18
<p>Located on the Greater Toronto Area's doorstep, the natural heritage of Lake Simcoe is under stress from land use pressures such as urban development, intensive agricultural production, and recreational uses such as boating and fishing. This session will explore the actions taken by a number of the watershed stakeholders to increase biodiversity and implement changes at a local, regional, and watershed scale.</p> <ul style="list-style-type: none"> Integrating Science and Restoration: Community Stewardship in the Lake Simcoe Watershed, Phil Davies (<i>Lake Simcoe Region Conservation Authority</i>) Farm Stewardship for Phosphorus Reduction in the Lake Simcoe Watershed, Jackie McCall (<i>Ontario Ministry of Agriculture, Food and Rural Affairs</i>) Chippewas of Georgina Island First Nation: Stewardship in Lake Simcoe, Kerry-Ann Charles (<i>Chippewas of Georgina Island First Nation</i>) 	<p>Lots of work is being done to preserve and revitalize biodiversity in the Great Lakes. This session will highlight the effort, techniques and progress being made in restoring native fish species.</p> <ul style="list-style-type: none"> Building Biodiversity in the Great Lakes: Rehabilitating Native Fish Species, Dawn Walsh (<i>Ministry of Natural Resources</i>) Rehabilitating Lake Superior's Legendary Coaster Brook Trout, Marilee Chase (<i>Ministry of Natural Resources</i>) Rehabilitating Lake Ontario's Elusive American Eel, Alastair Mathers (<i>Ministry of Natural Resources</i>) Rehabilitating the Lake Sturgeon in Lakes Erie and Huron, Andy McKee and Richard Drouin (<i>Ministry of Natural Resources</i>) 	<p>If a picture is worth a thousand words, then a painting may well be worth a million. The arts can be used effectively to motivate people to take positive action to help protect and restore biodiversity. In this session, learn about a number of arts-based initiatives for both adults and youth, using both traditional and media-based art forms, which are promoting stewardship of the environment. This session is a continuation of T1G, but also stands alone for those who wish to join in.</p> <ul style="list-style-type: none"> The Science of the Arts 2, Dr. Ann Patteson (<i>Royal Conservatory of Music & Associate Professor at Queen's University</i>) The Arts of Science 2, John Scully (<i>Royal Conservatory of Music</i>) 	<p>Earlier in the program, we explored an overview of CUAHSI-HIS which is an internet-based system for sharing hydrologic data. This session provides a two part mini-workshop looking more deeply into this application. It will be facilitated by Tim Whiteaker from the University of Texas. The workshop will include a live demonstration showing how to take real data through the complete HIS publication process and Hands on Training for how to use HIS in both the free HydroDesktop application and Microsoft Excel. Participants are required to bring their own laptops with wireless capabilities.</p> <ul style="list-style-type: none"> Dr. Tim Whiteaker (<i>University of Texas, Austin</i>)



Program Details 2010

1:00 PM to 1:45 PM - Pioneer Award Ceremony

Each year, the A.D. Latornell Conservation Symposium honours and pays tribute to the significant personal and professional achievements of outstanding individuals in Ontario's conservation field. Four people are being recognized this year for their extraordinary leadership and dedication to improving science, protecting biodiversity and educating people on the important role we all need to play in order to ensure a healthy environment today and for the future.

Master of Ceremonies:



Kim Gavine, *Oak Ridges Moraine Foundation*

Kim Gavine has been working in the natural heritage field for the last twenty-one years. With a degree in Geography from Brock University, Kim began her career with the Federation of Ontario Naturalists as an Environmental Projects Officer.

Her previous positions have included work as an Urban Wildlife Biologist with the Ministry of Natural Resources, as well as a position with the Severn Sound Remedial Action Plan where she studied the effects of lead poisoning in Trumpeter Swans.

Most of her career has focused on land securement, land management and private land stewardship. As the Natural Heritage Co-ordinator with the Ontario Heritage Foundation (OHF), Kim was responsible for implementing both the Niagara Escarpment and Carolinian Canada Programs, as well as working with partners to manage over 100 natural heritage properties owned by the OHF.

In 2003, Kim joined the Oak Ridges Moraine Foundation as their Program Manager. In February of 2007, Kim was appointed as Executive Director to the Foundation.



This Year's Pioneers

Stewart Hilts

Nominated by: Ontario Agricultural College, University of Guelph



- 40 year career as an environmental educator
- Strongly supported conservation efforts in Ontario and earned the nickname "Stewardship Stew"
- Founded the A.D. Latornell Conservation Symposium sponsored by University of Guelph and Conservation Ontario
- Founded the Young Conservation Professional ("YCP") Program in support of young people working in the field of conservation

Gilbert Henderson

Nominated by: Tim Horton Onondaga Farm



- Farmed in an environmentally conscientious manner for five decades
- In 1967 entered into a partnership with Ducks Unlimited Canada to restore wetland habitats
- Instrumental in the recovery of Trumpeter Swans in Ontario
- Donated 400 acres of farmland in St. George to Tim Horton's Foundation

Don Ross

Nominated by: Board members, staff, advisors, and volunteers of the Frontenac Arch Biosphere Reserve



- Has been actively involved in the support of land and water conservation for over 40 years
- Significant contribution to the successful nomination of the Frontenac Arch Biosphere Reserve to UNESCO in 2002
- Completed shoreline assessments on over 700 properties in the Thousand Islands and Charleston Lake
- Actively engaged with Queen's University (Environmental Studies and School of Urban and Regional Planning).

Vicki Barron

Nominated by: Credit Valley Conservation



- 40 year career in the conservation movement in Ontario
- As General Manager of Credit Valley Conservation, Vicki actively encouraged the development of the Credit River Water Management Strategy
- Active member of the Environmental Commissioner of Ontario's Advisory Committee providing advice on the Commissioner's reports and initiatives
- As Executive of the Waterfront Regeneration Trust she was able to triple the number of communities that are partnering on the Waterfront Trail

DAYtwo

Watershed Management

Water

Natural Heritage

T3A

T3B

T3C

Using Watershed Report Cards to Influence and Engage Decision-Makers and Residents to Protect Biodiversity

Walkerton – “The Road Ahead”

Reptiles + Amphibians + Southern Ontario = At Risk

Room 15

Room 16

Room 10A

Monitoring, analyzing and then reporting on the status of biodiversity in Ontario’s watersheds is useful not only for targeting conservation efforts, but to also encourage ‘buy-in’ with decision-makers and residents to help protect it. This session explores recent research and two case studies.

This session is a continuation of the morning session and will examine current successes in the Drinking Water Source Protection Program, building blocks for developing Source Protection Plans, and opportunities for the Ontario Drinking Water Stewardship Program (ODWSP) in the future.

In this session, we will focus on amphibians to elaborate on the effects of land use change and the issues and opportunities facing these species

- ⦿ Assessing the Influence and Effectiveness of Watershed Report Cards in Canada, **Barb Veale** (*Grand River Conservation Authority*)
- ⦿ Watershed Reporting by Conservation Authorities – An Evolving Process, **Scott Lister** (*Conservation Ontario / Groundwater Management*)
- ⦿ Using Watershed Report Cards to Influence and Engage Decision Makers, **Luke Harvey** (*Credit Valley Conservation*)

- Moderated by Don Pearson** (*Conservation Ontario*)
- ⦿ Threats Identification Progress to Date, **Ian Smith** (*Ministry of the Environment*)
 - ⦿ Drinking Water Source Protection and Watershed Management – Program Co-Benefits, **Ian Wilcox** (*Upper Thames River Conservation Authority*)
 - ⦿ Ontario Drinking Water Stewardship Program – Current Successes, **Jo-Anne Rzadki** (*Conservation Ontario*)

- ⦿ A New Reptile and Amphibian Atlas for Ontario, **John Urquhart** (*Ontario Nature*)
- ⦿ Genes in the Half-Shell - How Genetics Can Inform Conservation Strategies for Ontario Turtles, **Christina Davy** (*University of Toronto*)
- ⦿ Jefferson Salamander: Habitat Identification and Protection, **John Pisapio** (*Ministry of Natural Resources*)



WATER CANADA

THE COMPLETE WATER MAGAZINE

The only magazine dedicated to the entire Canadian water industry.

Reach the decision makers in key markets. Contact us today.

watercanada.net

2:00 - 3:30 PM



Inspiring Sustainability	Community Stewardship	Fish and Fish Habitat	Communications, Outreach and Education
T3D	T3E	T3F	T3G
Win, Win Win!	Community Engagement through the Application of the Landowner Stewardship Guide	Biodiversity through Biomonitoring	More Than Just the 3 R's
Room 10	Room 4	Room 5	Room 6
<p>Enhancing Habitat and Infrastructure - Greening Infrastructure doesn't have to mean reducing the effectiveness of infrastructure performance. Explore infrastructure and environmental partnership stories.</p> <ul style="list-style-type: none"> ⦿ Natural Channel Design for Agricultural Drains, Jack Imhof (Ministry of Natural Resources) ⦿ Innovative Use of the <i>Drainage Act</i> for Conservation Projects, Sid Vander Veen (Ontario Ministry of Agriculture, Food and Rural Affairs) ⦿ Green Changes Using Drainage Engineering Techniques, Tom Pridham (R.J. Burnside Engineering) 	<p>Dr. Wayne Caldwell will moderate this session, reviewing the approach to the development of a stewardship program for Southern Ontario rural landowners. This includes the development of the Stewardship Guide that reflects a community based process that has produced both area specific and a province-wide version. This session will draw upon experience developing and using the Lake Huron, Lake Simcoe and provincial versions.</p> <p>Moderated by Dr. Wayne Caldwell (University of Guelph)</p> <ul style="list-style-type: none"> ⦿ Tracey Ryan (Grand River Conservation Authority) ⦿ Carole Seysmith (Ministry of Natural Resources) ⦿ Bronwynne Wilton (University of Guelph) ⦿ Mark Eastman (Credit Valley Conservation) ⦿ Alison Qua-Enoo (Credit Valley Conservation) ⦿ Karen Douglass Cooper (Raisin-South Nation Source Protection Region) ⦿ Mari Veliz (Ausable Bayfield Conservation Authority) 	<p>Diversity of taxa is an essential indicator of the condition of a watershed/aquatic ecosystem. This session will discuss (or maybe even debate) monitoring techniques, uses, advantages and disadvantages.</p> <ul style="list-style-type: none"> ⦿ Biodiversity Norms in Southern Ontario Streams, F. Chris Jones (Ministry of the Environment) ⦿ What's Driving Taxa Richness in Southern Ontario Streams?, Ed Gazendam (University of Guelph) ⦿ Ecological (Biodiversity) Thresholds in the Credit Watershed, Kata Bavrlic and Kirk Bowers (Credit Valley Conservation) 	<p>Teaching students and adults about biodiversity, or the variety of life on Earth, is a daunting yet exciting task. Attend this special session on education and see how some of Ontario's top outreach education providers are guiding students (or any age) through a fascinating and exciting exploration of biodiversity issues.</p> <ul style="list-style-type: none"> ⦿ Biodiversity Education Awareness Network, Dolf Dejong (Royal Botanical Gardens) ⦿ Biodiversity Education at the Zoo, Dave Ireland (Toronto Zoo) ⦿ Life in Crisis: The Schad Gallery of Biodiversity, Deborah Metsger (Royal Ontario Museum)



4:00 PM to 7:00 PM - Student Poster Presentation

The A.D. Latonell 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 is presented to the top three poster presentations.

This year, a total of 13 presenters are featured. They include:

Lyn Garrah, *Queen's University*

Predicting the Mitigating Vertebrate Road Mortality on the 1000 Islands Parkway in South Eastern Ontario

Marcin Lewandowski, *University of Toronto*

Restoration in Southern Ontario: Relative success of the Oak Ridges Moraine Foundation funded restoration efforts between 2005 and 2010

Sonja Teichert, *University of Western Ontario*

The role of community based monitoring in freshwater ecosystem management by Ontario's Conservation Authorities

Amie Melnychuck, *University of Guelph*

Joint Implementation of Optical Satellite Imagery, High Resolution Shapefiles and Decision Trees for Enhanced Crop Classification Techniques

Kathryn Powell, *University of Guelph*

Application of RADARSAT-2 imagery and LiDAR data for characterisation of soil moisture variability over an agricultural watershed

Leilan Baxter, *University of Guelph*

Combined effects of nutrient limitation and atrazine additions on algal growth and aquatic snail populations in freshwater mesocosms

Joanna MacDonald, *University of Guelph*

A Necessary Voice: Considering Climate Change through the Lived Experience of Inuit Youth in Rigolet, Nunatsiavut, Canada

Elizabeth Weber, *University of Waterloo*

Conservation and Consultation: The #1 Priority of Alberta's Plan for Parks

Hida Manns, *University of Guelph*

Linking soil to atmosphere: Estimated evapotranspiration compared to soil plot water balance with residue management

Amirmohsen Behjat, *Ryerson University*

The Effect of Knowledge Transfer Programs on Nitrogen Fertilizer Overuse Due to Water and land conservation on wheat dry farming in Kermanshah Province, Iran

William Trenouth, *University of Guelph*

Monitoring, Modeling and Mitigation of Sediment-Bound Phosphorous Loads in the Lake Simcoe and Nottawasaga Watersheds

Jason Tran, *University of Guelph*

Farm to Fork: Socio-ecological restoration of an urban landscape's local food system through urban agriculture

Justin Adams, *University of Guelph*

Evaluating the use of RADARSAT-2 polarimetric data for operational tillage monitoring in South-Western Ontario



4:00 PM to 7:00 PM - Dream Auction

A Diverse Affair

The theme for this year's fundraiser follows the conference theme of 'Diversity'. The Dream Auction provides a diversity 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 are three 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
- Card Draw – 1 card for \$20

There is something for everyone! Entertainment, Family Activities, Wine, Art and Jewellery. We look forward to having you join us for an evening of fun!

Some of this year's Silent Auction items include:

- Golf at Eagle's Nest or Turnberry Golf Clubs
- Leaf Tickets in Red Seats
- Canoe tour through the Minnesing Swamp
- iPad
- 'Paddle North Bay' Package
- A weekend away in an Algonquin Park Yurt
- Free weekend visit at the Nottawasaga Inn
- Free weekend at McGeachie Cottage on Steenburg Lake near Bancroft
- Rainbarrel
- Set of Sterling Silver Sculpted Pendant and Earrings

A special limited ticket sale of cards for \$20 each will be held Thursday evening for:

- Aerial Wildlife Survey in Algonquin Park; and
- 12 bottle Wine Rack with a selection of Ontario wines

Tickets will be sold for a very short period of time only on Thursday evening and you must be present to win.

All Dream Auction items are generously donated by individuals and groups such as you. All proceeds to be donated to the A.D. Latornell Grant Fund. Thank you to everyone who help make this such a success.

DAYtwo

Thursday, November 18, 2010



6:00 PM - Gala Banquet Dinner

8:30 PM - Comedy Performance

The Second City

The world's premier comedy theatre and school of improvisation

The Second City is a long-running improvisational comedy enterprise which originated in Chicago. Today, the Second City has theatres in Chicago and Toronto; as well as Training Centers in those cities and Hollywood. There are 11 full time touring ensembles as well as television and film operations.

The Second City has produced television programs in both the United States and Canada including *SCTV* and, *Second City Presents*. Since its debut, Second City has consistently been a starting point for comedians, award winning actors, directors, and others in show business.

9:30 PM to 11:00 PM - Hospitality Suite in Room 41

Planting Trees on Behalf of Symposium Participants Benefits the Environment

In an effort to reverse the effects of up to 1,000 Symposium participants driving to the 17th annual A.D. Latornell Conservation Symposium, over 4,000 trees will be planted in the Nottawasaga River watershed. This marks the fourth year we have been planting trees for a cumulative total of almost 17,000 trees.

The tree planting will be coordinated with long standing partners, the Nottawasaga Foundation, the Nottawasaga Valley Conservation Authority (NVCA), the Symposium; and a new partner since 2009, Trees Ontario, a not-for-profit organization that facilitates tree planting all over Ontario.

Planting trees helps to offset carbon emissions as well as increase the forest cover in the watershed, providing many additional benefits to the watershed and its residents.

It is estimated that 128 tonnes of carbon dioxide will be produced by delegates travelling to the Symposium. The 4,000 trees will absorb carbon dioxide as they grow over the next 10 years. One-hundred and twenty-eight tonnes will be removed by the year 2017. The trees have an estimated lifespan of 70-plus years so carbon dioxide absorption beyond 2017 is a bonus.

In addition, forests help to improve water quality and moderate the effects of both drought and flooding as well as reduce the extent of soil erosion, provide habitat for wildlife and are an important economic resource.





Latornell “Green Bites”

Each year, the A.D. Latornell Conservation Symposium works with its exhibitors, sponsors, delegates, speakers and the Nottawasaga Inn to reduce the impact that our event has on the environment. As practitioners, we feel it's important that we lead the way and show others how we can 'walk the talk'. Change isn't easy until you actually do it.

At the Symposium, we use 'green' meeting practices and policies, plant trees to offset participants' carbon emissions, use green power sources, and rely on local food sources for our meals.

As well, our main partner, the Nottawasaga Inn, has worked hard with us to reduce waste in every aspect of the event. The Inn recently received four stars in the GREEN KEY Eco-Rating Program, a rating system designed to recognize hotels, motels and resorts that are committed to improving their environmental and fiscal performance.

The Latornell Conservation Symposium strongly encourages conference attendees to carpool and to use the CARPOOLING internet site link - <https://latornell.ride-share.com/en/my/index.php> - to work towards reducing the carbon footprint of this conference.

The Latornell Steering Committee follows the *Canadian Network for Environmental Education and Communication (EECOM) Green Conference Guidelines* in all aspects of conference organization!

More information on all the 'green' features of the A.D. Latornell Conservation Symposium can be found online at www.latornell.ca.



Mark your calendar for the 2011 Symposium

November 16, 17 and 18, 2011
Nottawasaga Inn and Conference Centre
Alliston, Ontario



7:00 AM - Conservation Breakfast

- Available only until 7:45 AM

7:45 AM - Keynote Speaker



Communicating Science Effectively to Engage Decision-Makers

Dr. Bill Dennison, *University of Maryland - Center for Environmental Science*

Dr. Dennison is a Professor of Marine Science and the Vice President for Science Applications at the University of Maryland Center for Environmental Science (UMCES). UMCES is one of two research and service institutions in the 13-institution University System of Maryland and is comprised of three

laboratories distributed across the watershed of the Chesapeake Bay including the Appalachian Laboratory, Chesapeake Biological Laboratory and Horn Point Laboratory as well as the Maryland Sea Grant College, and the Annapolis (MD) Synthesis Center-Liaison Office.

Bill Dennison rejoined UMCES in 2002 following a ten year stint at the University of Queensland in Brisbane, Australia. While there Bill developed an active Marine Botany group with strong links to the Healthy Waterways Campaign for Moreton Bay. Bill obtained his academic training from Western Michigan University (B.A., Biology & Environmental Science), the University of Alaska (M.S., Biological Oceanography), The University of Chicago (Ph.D., Biology), and State University of New York at Stony Brook at Stony Brook (Postdoc, Coastal Marine Scholar).

Dr. Dennison has published hundreds of papers and books and has presented at multiple international, national, and regional meetings, and at various universities, research institutions, and government agencies. Bill has served in the capacity of President, Chair, Co-Chair, Deputy Director, Leader and Member on more than three dozen separate environmental councils, committees, groups and societies. He has provided graduate student supervision to numerous "up and coming" scientists through the PhD, Masters and Honors programs at both the UMCES and the University of Queensland.

Continue Learning After the Symposium

Visit the A.D. Latornell Conservation Symposium website after the event to download resource materials on the Biodiveristy theme.

As well, the Symposium is pleased to provide a list of speakers with their presentations (as available) on our website.

We also provide live links to Exhibitors' websites where you can find more biodiversity resources.

Visit www.latornell.ca



NOON to 2:00 PM - Luncheon and Closing Plenary

12:30 PM - Young Conservation Professionals Graduation

A total of 16 people will be graduating from the 2010 Young Conservation Professionals Career program (YCP) this year, marking the sixth year of the program. Graduation ceremonies are held during the A.D. Latornell Conservation Symposium. As part of the University of Guelph's Centre for Land and Water Stewardship, the YCP is a comprehensive personal and professional development program to encourage young leaders within the conservation sector in Ontario.

YCP participants take part in an intensive year-long program consisting of residential retreats, workshops and on-the-job practice and reflection - all focused on developing leadership and management skills. The YCP is especially suited to conservation agencies and organizations with limited professional development resources, limited budgets and a pressing need for the next generation of conservation leaders to "step-up" and assume a management role.

Emerging conservation leaders have enhanced their skills with experiential learning and training opportunities provided through the YCP since 2005. The YCP is supported by Conservation Ontario and the A.D. Latornell Conservation Symposium. In addition this program would not be possible without the time generously donated by many conservation professionals who helped with advice and delivery of workshops.

For more information about the YCP, contact Peter Mitchell, Centre for Land and Water Stewardship, University of Guelph by phone at 519-824-4120, or email: claws@uoguelph.ca.

You can also visit YCP online at www.uoguelph.ca/~claws/jcp/.

The 2010 YCP-CDI program graduates include:

Jessica Kaknevicus, *Ontario Forestry Association (co-valedictorian)*

Geoff Clark, *Ministry of Natural Resources (co-valedictorian)*

Sheryl Santos, *Rouge Park*

Janelle Andrews, *Durham Sustain Ability*

Lisa Beth Bulford, *Grand River Conservation Authority*

Darren Campbell, *Lake Simcoe Region Conservation Authority*

Patricia Davidson, *currently working on creating her own ecotour business*

Ali Giroux, *Nature Conservancy of Canada*

Amy Griffiths, *Ganaraska Region Conservation Authority*

Lisa Fisk, *formerly Evergreen and now doing a teaching degree*

Leslie Roach, *Nottawasaga Valley Conservation Authority*

Christine Schmalz, *formerly Ontario Soil and Crop Improvement Association*

Matt Setzkorn, *Ontario Farmland Trust*

Diana Shermet, *Central Lake Ontario Conservation Authority*

Kathryn Ross, *Ontario Land Trust Alliance*

Sabrina Chiefari, *Toronto and Region Conservation Authority
(@ Kortright Centre)*

DAYthree

Watershed
Management

Water

Natural Heritage

F1A

F1B

F1C

Climate Change Implications for Great Lakes' Watersheds Biodiversity

Aquatic Biodiversity

Biodiversity Lost? or Found?

Room 15

Room 4

Room 5

What are the implications and responses on a local level to climate change? This session explores some of the anticipated issues that will occur and some adaptive management approaches to maintain and protect biodiversity.

The diversity of insects and other invertebrates that live in the water can tell us a lot about the health of our watercourses. Speakers in this session will share their experiences and perspectives on methodologies and assessing impacts.

The stressors and threats to biodiversity are many, the spread of invasive species, increased demand for public use, and climate change. This session will focus on ways to evaluate these stressors in order to direct and prioritize management actions.

- Adaptive Management Approach for the Upper Great Lakes in Response to Predicted Vulnerabilities From Climate Change, **Wendy Leger** (*Environment Canada*)
- Implications to Base Flow and Ground Water in Response to Climate Change Scenarios, **Dr. Young-Jin Park** (*University of Waterloo*)
- Proceedings and Guidance from the Nearshore Climate Change Workshop, **Sandra George** (*Environment Canada*)
- Integrated Approach to Watershed Management for Climate Change and Addressing Recommendations from the Ontario Expert Advisory Panel for Climate Change, **Charley Worte** (*Conservation Ontario*)

- Biodiversity Insights from a Large-Scale Biomonitoring Survey, **Dr. James Rusak** (*Ministry of the Environment*)
- Human Impact on Stream Benthic Macroinvertebrate Biodiversity: An Airport Case Study, **Joshua Diamond** (*Niagara Peninsula Conservation Authority*)
- What Intensive Monitoring of the Eastern Green Drake Mayfly Is Revealing about the Health of the Credit River, **Dr. Henry E. Frania** (*Royal Ontario Museum*)

- Terrestrial Invasive Plant Strategy, **Noah Gaetz** (*Toronto and Region Conservation Authority*)
- Incorporating Anticipated Impacts to Wildlife in Trail Management Planning, **Bill Thompson** (*Lake Simcoe Region Conservation Authority*)
- Climate Change: Implications for Natural Systems and Biodiversity, **Brian Henshaw** (*Beacon Environmental*)

8:30 - 10:00 AM



Inspiring Sustainability	Community Stewardship	Geospatial Technology	Communications, Outreach and Education
F1D	F1E	F1F	F1G

Food: Diversifying the Urban Landscape	Urban Biodiversity and Stewardship	Modeling Natural Heritage – A Comparative Analysis	Impacts of Nature Deficit Disorder
---	---	---	---

Room 18	Room 6	Room 10A	Room 10
---------	--------	----------	---------

Learn more about how the grassroots movement toward urban agriculture is transforming the character of residential neighborhoods from monoculture lawns to more diverse ecological landscapes.

- Food City: Patterns and Possibilities, **Dr. Karen Landman** (*University of Guelph*)
- Backyard Bounty – Guelph’s Urban Farming Project, **Robert Orland** (*Backyard Bounty*)
- Food Policy at the Regional Level: How Food Redefines Municipal Cooperation and Development, **Arthur Churchyard** (*Guelph Food Charter*)

Urban nature is essential for connecting the majority of Ontario’s population with the natural environment. City dwellers’ interaction with nature is critical for their health and well-being. These two sessions will focus on groups bringing nature to cities and their “solutions” to enhancing urban biodiversity.

- Increasing Urban Biodiversity through Use of Unconventional Spaces, **Brad Bass** (*University of Toronto*)
- Green Roofs, **Gavin Miller** (*Toronto and Region Conservation Authority*)
- Greening Corporate/ Institutional Grounds: Early Adopters, Successes and Challenges, **Donna Havinga** (*Credit Valley Conservation*)

This unique session will provide a comparative analysis of different natural heritage modeling techniques, brief presentations on different models, one-on-one discussions through poster displays and an open question session.

- Natural Heritage Marxan Model, **Geoff Clark** (*Ministry of Natural Resources*)
- LSRC Natural Heritage System: Approach and Methodology, **Michael Dennis** (*Lake Simcoe Region Conservation Authority*)
- TRCA Natural Heritage Design System, **Jason Tam** (*Toronto and Region Conservation Authority*)
- Applying a Road Density Measure for Natural Heritage, **Ken Towle and Jeff Moxley** (*Ganaraska Region Conservation Authority*)

Join keynote speaker Richard Louv for a more in-depth workshop looking at Nature-Deficit Disorder. Louv will investigate the relationship of children and the natural world in current and historical contexts. Louv created the term “nature-deficit disorder” to describe possible negative consequences to individual health and the social fabric as children move indoors and away from physical contact with the natural world – particularly unstructured, solitary experiences.

- Connecting Children With Nature, **Richard Louv** (*Children’s Nature Network*)

DAYthree

Watershed Management

Water

Natural Heritage

F2A

F2B

F2C

Great Lakes Shorelines and Biodiversity

Integrating Policy Decisions Around Water Management

Maintaining Integrity... Ecologically Speaking

Room 10

Room 15

Room 4

Coastal communities and habitats are affected by watershed land uses and development pressures, yet species and the communities depend on a healthy environment. This session will outline ecosystem based management principles and how they can inform land use decision-makers and engage the public to consider better shoreline practices.

Integrating policy decisions to manage water has been an ongoing battle. This session will examine the public's perspective on water, following with expert recommendations on how water resources can be improved through policy decisions.

Understanding biodiversity and ecological integrity is critical to our landscape when planning urban development, identifying transportation networks and managing natural resources.

- Species and Communities Dependant on Great Lakes Coastal Processes, **Mike McMurtry** (Natural Heritage Information Centre)
- Linkages in Watershed Land Use, Water Quality and Coastal Wetland Condition, **Greg Grabas** (Canadian Wildlife Service)
- Application of Ecosystem Based Management Principles to the Design of Shoreline Structures, **Peter Zuzek** (Baird & Associates)

- 2010 Unilever RBC Canadian Water Attitudes Study, **Catherine McVitty** (Unilever Canada)
- Opportunities for Water Management and Sustainability – A Look at the Water Opportunities and Water Conservation Act, **Theresa McClenaghan** (Canadian Environmental Law Association)
- Policies and Approaches to Protect Water Quality and Resources in Developing Countries, **Dr. Zafar Adeel** (Director of United Nations University - Institute for Water, Environment & Health, and Chair of UN-Water)

- Using Indicator Species to Assess Biodiversity, **Jessica E. Grealey** (Natural Resource Solutions Inc.)
- Red Pine Plantations in Ontario, **Sal Spitale** (University of Waterloo)
- Road Impacts on Biodiversity, **Mandy Karsh** (Ontario Road Ecology Group)

10:30 - 12:00 PM





Inspiring Sustainability

Community Stewardship

Geospatial Technology

Communications, Outreach and Education

F2D

F2E

F2F

F2G

Community Connections

Urban Biodiversity and Stewardship

Monitoring and Tracking Biodiversity

Communicating Science Effectively

Room 18

Room 5

Room 6

Room 10A

Discover how diverse communities are uncovering new environmental stewards through creativity, tolerance and action.

- Engaging Multicultural Groups in Environmental Stewardship Activities, **Shintu Cherian** (*Toronto and Region Conservation Authority*)
- Green Jobs for All in Jane and Finch, **Rosemarie Powell** (*The Jane/Finch Community and Family Centre*)

This session is a continuation of the previous session focusing on urban biodiversity opportunities i.e. "solutions" to enhancing urban biodiversity

- green roofs
- greening corporate and institutional grounds
- wetland restoration
- Lawn Conversion to Biodiversity Gardens, **Robert Orland** (*Orland Conservation*)
- Gosling Wildlife Gardens – Biodiversity Gardens for Small Plots and Suburban Lots, **Chris Earley** (*University of Guelph*)
- Evergreen Common Grounds Case Studies, **Kim Sellers** (*Evergreen*)

Various technologies used to monitor and/or track rare, endangered and invasive species movements using GPS and GIS will be presented during this session. Open discussions on challenges and success will be provided.

- The Invasive Tracking System for Ontario, **Francine MacDonald** (*Ontario Federation of Anglers and Hunters*)
- A GIS Approach for Mapping Wood Turtle Habitat in Ontario, **David Tellier** (*Ministry of Natural Resources*)
- Integrating Natural Heritage Data, **Phil Lenoir** (*Grand River Conservation Authority*)

This hour-and-a-half mini-workshop will introduce you to some of the tools and practical skills needed to more effectively communicate scientific information.

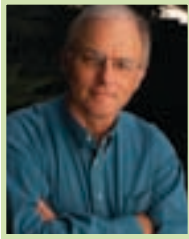
- **Bill Dennison** (*University of Maryland Center for Environmental Science*)

DAYthree

Friday, November 19, 2010



1:00 PM - Keynote Speaker



Nature-Deficit Disorder

Richard Louv, Author of "Last Child in the Woods"

Richard Louv is a journalist and author of seven books about the connections between family, nature and community. His most recent book, "Last Child in the Woods: Saving Our Children From Nature-Deficit Disorder" (Algonquin), published in 13 countries, has stimulated an international conversation about the relationship between children and nature. Louv is also the chairman and co-founder of the Children & Nature Network (www.childrenandnature.org),

an organization helping build the movement to connect today's children and future generations to the natural world. Louv coined the term Nature-Deficit Disorder® which has become the defining phrase of this important issue.

In 2008, he was awarded the Audubon Medal, presented by the National Audubon Society. Prior recipients have included Rachel Carson, E. O. Wilson and President Jimmy Carter. Louv is also the recipient of the Cox Award for 2007, Clemson University's highest honor, for "sustained achievement in public service" and has been a Clemson visiting professor. Among other awards, Louv is the recipient of the 2008 San Diego Zoological Society Conservation Medal, the 2008 George B. Rabb Conservation Medal from the Chicago Zoological Society, and the 2009 International Making Cities Livable Jane Jacobs Award. He was recently named Honorary Co-chairman, with Canadian artist Robert Bateman, of Canada's national Children and Nature Alliance.

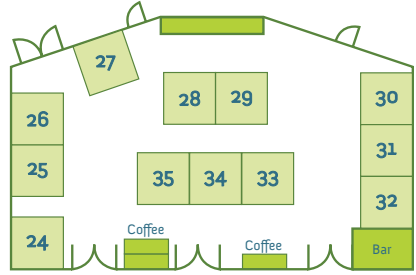
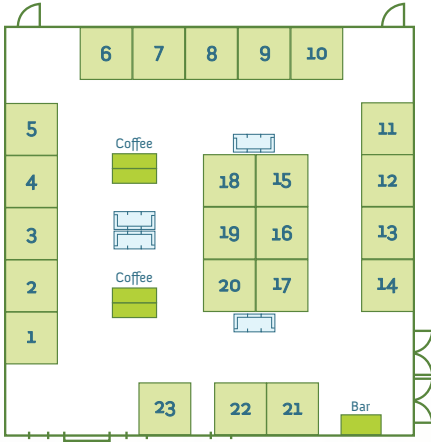
Louv has written for The New York Times, The Washington Post, The Times of London, and other major publications. He has appeared on many national TV shows, including NBC's Today Show and Nightly News, CBS Evening News, ABC's Good Morning America, and NPR's Morning Edition, Fresh Air, and Talk of the Nation. He has appeared before the Domestic Policy Council in the White House as well as at major governmental and professional conferences, nationally and internationally.

He is married to Kathy Frederick Louv and is the father of two young men, Jason, 28 and Matthew, 22. He would rather fish than write.

This Year's Exhibitors

This Year's Floorplan

Exhibit Halls

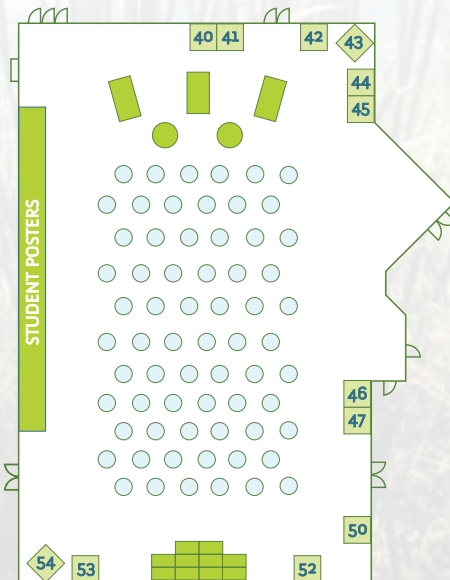


Biodiversity Café Sponsored by - Ministry of Natural Resources, Ontario Biodiversity Council

- 1. Imbrium Systems Inc.
- 2. StormTrap
- 3. Aquatic Informatics™ Inc.
- 4. Canadian Water Resources Association
- 5. Ontario Centre for Climate Impacts and Adaptation Resources (OCCIAR)
- 6. Environmental Commissioner of Ontario
- 7. EarthFX Inc.
- 8. Ontario Ministry of Agriculture, Food and Rural Affairs
- 9. Agriculture and Agri-Food Canada
- 10. Ontario Soil and Crop Improvement Association
- 11. Ministry of the Environment
- 12. Water's Edge
- 13. KISTERS North America, Inc.
- 14. Hoskin Scientific Ltd.
- 15. Ontario Geological Survey

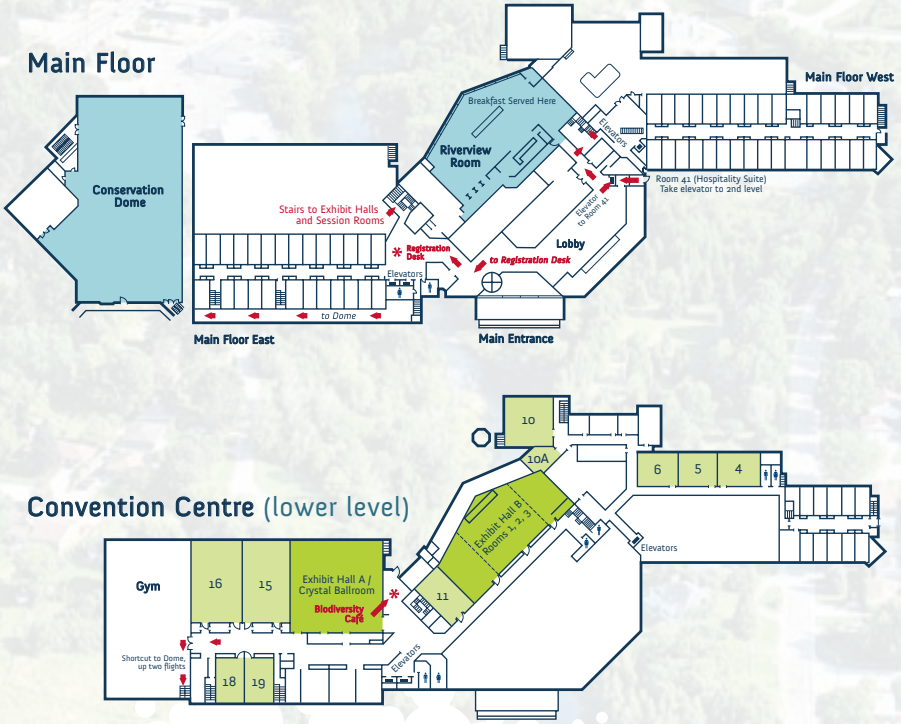
- 16. Natural Resource Solutions Inc.
- 17. WESA
- 18. GENIVAR
- 19. Water Canada
- 20. Trees Ontario
- 21. Ministry of Natural Resources - Regional Adaptation Collaborative - Gateway
- 22. AquaResource Inc.
- 23. XCG Consultants Ltd.
- 24. Conservation Ontario
- 25. AECOM Canada Ltd.
- 26. Stantec
- 27. Ministry of Natural Resources - Water Resources Information Program
- 28. Filtrex Canada Inc.
- 29. Streamside Systems
- 30. Isotope Tracer Technologies Inc.
- 31. Aquafor Beech Limited
- 32. Hanson Pipe & Precast
- 33. Fisheries and Oceans Canada
- 34. University of Guelph
- 35. Allset Inc.

Conservation Dome



- 40. DGS / Environmental Project Management Solutions
- 41. Ontario Heritage Trust
- 42. Environment Canada
- 43. Environment Canada
- 44. Oak Ridges Moraine Foundation
- 45. Ontario Nature
- 46. Solinst Canada Ltd.
- 47. Ducks Unlimited Canada
- 50. Green Communities Canada
- 52. Conservation Ontario
- 53. Ministry of Natural Resources, Ontario Stewardship
- 54. University of Guelph

Nottawasaga Inn Floorplan



Session Information

SESSION	RM.	MODERATOR	SESSION	RM.	MODERATOR	SESSION	RM.	MODERATOR
W1A	10	n/a	T1A	15	Leilan Baxter	F1A	15	Amanda Francz
W1B	15	Bill Trenouth	T1B	18	Gwen Dalton	F1B	4	Cristal Heintzman
W1C	6	Elizabeth Evans	T1C	10A	Bill Trenouth	F1C	5	Logan Juffermans
W1D	5	Sonja Teichert	T1D	10	Elizabeth Evans	F1D	18	Matt Setzkorn
W1E	4	n/a	T1E	4	Sonja Teichert	F1E	6	Erika Marteleira
W1F	10A	n/a	T1F	5	Allyson Brown	F1F	10A	Leilan Baxter
W1G	19	Allyson Brown	T1G	6	Marcin Lewandowski	F1G	10	Gwen Dalton
W2A	4	Marcin Lewandowski	T2A	15	Matt Setzkorn	F2A	10	Bill Trenouth
W2B	10	Amanda Francz	T2B	10A	n/a	F2B	15	Elizabeth Evans
W2C	6	Cristal Heintzman	T2C	10	Cristal Heintzman	F2C	4	Sonja Teichert
W2D	5	Gwen Dalton	T2D	19	Logan Juffermans	F2D	18	Allyson Brown
W2E	18	Matt Setzkorn	T2E	4	Erika Marteleira	F2E	5	Marcin Lewandowski
W2F	10A	n/a	T2F	5	Amanda Francz	F2F	6	Amanda Francz
W2G	19	Erika Marteleira	T2G	6	Leilan Baxter	F2G	10A	Cristal Heintzman
			T2H	18	Gwen Dalton			
			T3A	15	Bill Trenouth			
			T3B	16	n/a			
			T3C	10A	Logan Juffermans			
			T3D	10	Sonja Teichert			
			T3E	4	n/a			
			T3F	5	Allyson Brown			
			T3G	6	Marcin Lewandowski			