

19th Annual



A.D. LATORNELL  
CONSERVATION SYMPOSIUM

2012  
*program*

NOVEMBER 14-16

2012

Nottawasaga Inn and  
Convention Centre

Alliston, ON

**PR**<sub>x</sub>**SCRIPTION**  
FOR A HEALTHY ENVIRONMENT



UNIVERSITY  
of GUELPH

# PRESCRIPTION FOR A HEALTHY ENVIRONMENT

## CONFERENCE MANAGEMENT

Chair: **Deborah Martin-Downs**, *Toronto and Region Conservation Authority*  
Past Chair: **Jennifer Howley**, *Upper Thames River Conservation Authority*  
Symposium Coordinator: **Ken Anderson**, *Allset Inc.*  
Assistant Symposium Coordinator, Website Coordinator: **Mario Maillet**, *Allset Inc.*  
Secretary: **Bill Trenouth**, *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

<b>Crystal Allan</b> <i>Grand River Conservation Authority</i>	<b>John Lackey</b> <i>Soil and Water Conservation Society - Ontario Chapter</i>
<b>Joanne Barbazza</b> <i>Ducks Unlimited Canada</i>	<b>Pamela Lamba</b> <i>Ministry of the Environment</i>
<b>Tamara Chipperfield</b> <i>Credit Valley Conservation</i>	<b>Jane Lewington</b> <i>Conservation Ontario</i>
<b>John Cottrill</b> <i>Grey Sauble Conservation</i>	<b>Shelley MacPherson</b> <i>Rideau Valley Conservation Authority</i>
<b>Jayne Crittenden</b> <i>Conservation Ontario</i>	<b>Favelle Mascke</b> <i>Ontario Stewardship</i>
<b>Jane Dunning</b> <i>Conservation Ontario</i>	<b>Shelley McKay</b> <i>Trees Ontario</i>
<b>Sara Eddy</b> <i>Fisheries and Oceans Canada</i>	<b>Andee Pelan</b> <i>Lake Simcoe Region Conservation</i>
<b>Barbara Heidenreich</b> <i>Ontario Heritage Trust</i>	<b>Lisa Turnbull</b> <i>Toronto and Region Conservation Authority</i>
<b>Jessica Isaac</b> <i>Environmental Commissioner of Ontario</i>	

## SYMPOSIUM PARTNERS





## WELCOME - CHAIR'S MESSAGE



It's been 50 years since Rachel Carson published *Silent Spring*, documenting the the hazards of the pesticide DDT to animals, including human beings, from cancer and genetic damage. She noted that a single application on a crop killed insects for weeks and months, and not only the targeted insects but countless more, remaining toxic in the environment even after it was diluted by rainwater. Fast forward to 2012, DDT can still be measured in water samples. While much has been accomplished in regulating and modifying chemical formulations of pesticides, they

continue to cause a wide range of both acute, and chronic, adverse effects on environment, wildlife and, above all, human health. Rachel Carson wrote "Man's attitude toward nature is today critically important simply because we have now acquired a fateful power to alter and destroy nature. But man is a part of nature, and his war against nature is inevitably a war against himself".

This year's symposium turns the focus on health – of the environment and the linkages with human health. And just like Rachel Carson, solutions must be part of the dialogue. In recent years, cutbacks in public spending reduce our ability to monitor and respond to threats. We must use our limited resources creatively to make the connections and develop multi-benefit solutions. Our program explores the health connection in each of our streams – Integrated Watershed Management, Healthy Great Lakes, Water, Natural Heritage and Biodiversity, Inspiring Change - Stewardship, Outreach & Education, Resources Management (Restoration & Rehabilitation), and Tools of the Trade, as well as a theme specific stream, Healthy by Nature.

We welcome our delegates, speakers, exhibitors and sponsors to the conversation – in the sessions, in the halls and long after the conference ends. We hope too that part of your conversation will be about what the future is for Latornell. Next year is our 20th Anniversary and we are seeking the feedback of our Latornell community. Please take a few minutes to fill out our Latornell Checkup survey [http://www.latornell.ca/check\\_up.html](http://www.latornell.ca/check_up.html)

I would be remiss if I did not mention and thank the creative and hard working members of the Steering Committee in planning and implementing the Symposium! I would also like to provide a big thank you to our exhibitors and sponsors. I am excited about the next three days and hope that you enjoy it just as much!

**Deborah Martin-Downs, Chair**

19<sup>th</sup> Annual A.D. Latornell Symposium Steering Committee

This event is

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green electricity

# PRESCRIPTION FOR A HEALTHY ENVIRONMENT

## A.D. LATORNELL CONSERVATION SYMPOSIUM



Conservation Ontario and the University of Guelph (Centre for Land and Water Stewardship) welcome you to the 19<sup>th</sup> annual A.D. Latornell Conservation Symposium, "Prescription for a Healthy Environment."

The Symposium has grown in size and popularity such that it now ranks among the largest conferences of its kind in Canada. The A.D. Latornell Conservation Symposium attracts approximately 1,000 delegates annually who meet and share ideas with the common goal of conserving and improving Ontario's environment.

The A.D. Latornell Conservation Symposium is named after Arthur Douglas Latornell—a true Pioneer of Conservationism in the Province. "Art" was well-known for his mentorship of young people interested in pursuing a career in the field of conservation and this legacy is reflected during the Symposium through such aspects as the Student Poster Competition, the Young Conservationists Graduation and the Student Moderators for the concurrent sessions.



## 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 winner is:** (see next page)



## A.D. LATORNELL AWARD OF MERIT CONTINUED

### STUDENT CATEGORY

**Mr. Mathew Vankoughnett**, *B.Sc., M.Sc. (Biology), Battersea, Ontario*

Mathew is a Graduate of Queens University where he gained a Bachelor of Science (Honours) degree majoring in Environmental and Resource Science in 2007. After completing this programme Mathew remained at Queens enrolling in their Master of Science, Biology programme obtaining his M.Sc. in 2009. Prior to this he attended Sir Sandford Fleming College in Peterborough from 2003 to 2005 where Mathew studied and received a diploma in Ecosystem Management.

Following his time at Queens University his interests in the natural resource sciences took Mathew to Western University where he entered the Post Doctorate biological sciences programme. Currently he is in the programmes 4th and final year. He has been researching climate change and farming management practices which influence soil and water interrelationships. Mathew is keenly interested in communicating with the general public and the agricultural community a better understanding of how soil and water processes interact. Mathew believes that a very clear and understood science will assist the public, farmers and policy makers to make appropriate decisions regarding soil and water best management practices.

While undertaking his academic research he has also found time to assist several organizations and participate on numerous committees. Mathew is currently Chair of the Society of Biology Graduate Students (SOBGS). The Society allows a forum for students to identify their academia needs and to express their opinions on a multitude of environmental topics. Mathew is also responsible for organizing the Biology Graduate Research Forum (BGRF) at Western, a forum for graduate students to showcase research in the biological sciences by poster and invited oral presentations. Mathew has also represented the Undergraduate Education Curriculum Committee where he has helped create multi year education plans for science undergraduate students, teaching assignments and new classes.

Mathew looks forward to completing his biological studies and the opportunity to train other fellow students and colleagues in meaningful research in the areas of soil and water conservation. We wish Mathew well in his scientific endeavours pertaining to water conservation and soil management practices.

### NON-STUDENT CATEGORY

No award in this category for 2012

### SOIL AND WATER CONSERVATION SOCIETY SPECIAL GUEST

**Mr. Bill Boyer**, *Resource Conservationist for USDA Natural Resource Conservation Service (NRCS) and SWCS Secretary of the Board*

Bill Boyer has worked for the USDA Natural Resources Conservation Service (NRCS) for 37 years and for the past 20 years has served as Resource Conservationist in the Ecological Sciences Division in the national office in Washington, DC.

In 2008 Bill was elected to the Board of Directors of the SWCS as Northeast Region Director. He has held the positions of Vice President, two years as President, and currently is Secretary of the Board. He has served as President of the Maryland Old Line and National Capital Chapters of the Soil and Water Conservation Society. He chaired the planning committee of the Society's 1992 meeting held in Baltimore. He is a member and past President of the Washington Academy of Sciences.

For the past 15 years Bill has served as Executive Secretary for the NRCS National Technical Guide Committee. This committee makes decisions that affect how conservation technology, such as conservation practice standards, is used and managed across the agency. Prior to the current arrangement, he worked in various positions in Maryland and Pennsylvania.

Bill was born and raised on a dairy farm near Aberdeen, Maryland.

# PRESCRIPTION FOR A HEALTHY ENVIRONMENT

## 2012 PROGRAM AT A GLANCE

### Day 1 WEDNESDAY, NOVEMBER 14

8:00 - 10:00 am	<b>Registration</b>
10:00 - 10:30 am	<b>Welcome and Introductions</b> » <b>Deborah Martin-Downs</b> , Symposium Chair and Master of Ceremonies » <b>Dick Hibma</b> , Chair of Conservation Ontario
10:30 am - 12:00 noon	<b>Opening Plenary Session</b> <b>KEYNOTE SPEAKERS</b> » <b>Dr. William Bird</b> <i>Founder and Director of Intelligent Health in the UK</i> » <b>Dr. John Howard</b> <i>Canadian Association of Physicians for the Environment</i>
12:00 noon - 1:45 pm	<b>Luncheon</b> <b>LUNCHEON GUEST SPEAKER</b> » <b>Terry O'Reilly</b> , <i>Host, Under the Influence, CBC Radio</i>
2:00 - 3:30 pm	<b>Concurrent Sessions</b> » <b>W1A:</b> Issues in Urbanizing Watersheds » <b>W1B:</b> Showcasing Water Innovation and Sustainability » <b>W1C:</b> Inventory: More than Counting the Beans » <b>W1D:</b> Value Smart: Raising Awareness of Nature's Benefits » <b>W1E:</b> Tracking Stewardship Attitudes, Practices and Performance » <b>W1F:</b> Restoring and Conserving our Native Grasslands » <b>W1G:</b> Where Knowledge Ends, Analysis Begins – Using Models for Decision Making
3:30 - 4:00 pm	<b>Refreshment Break</b>
4:00 - 5:30 pm	<b>Concurrent Sessions</b> » <b>W2A:</b> Issues in Agricultural Watersheds » <b>W2B:</b> Ensuring Enough Water for All » <b>W2C:</b> From Condos to Corn Cobs: Where Does Natural Heritage Fit In? » <b>W2D:</b> The Economics of Healthy Ecosystems » <b>W2E:</b> Reaching Out to Rural Landowners » <b>W2F:</b> Afforestation: The Magic Bullet? » <b>W2G:</b> Taming the Data Beast
5:30 - 7:00 pm	<b>Exhibitor Galleries Wine &amp; Cheese / Muskoka Wildlife</b>
7:00 - 8:00 pm	<b>Harvest Banquet Dinner</b> » Soil and Water Conservation Society, A.D. Latornell Award of Merit
8:00 - 11:00 pm	<b>Chart Your Own Course &amp; Desserts in the Exhibit Halls</b> » Hockey Summit - see page 15 » The Amazing Race - see page 15
9:00 - 11:00 pm	<b>Hospitality Suite (Room 41)</b>

**The following events take place in the Conservation Dome:**

Welcome and Introductions, all Plenary Sessions and Keynote presentations, all meals, Pioneer Award Ceremony, Student Poster Display, Dream Auction, Gala Banquet, Early Bird Conservation Breakfast and Young Conservation Professionals Graduation



## 2012 PROGRAM AT A GLANCE CONTINUED

# Day 2 THURSDAY, NOVEMBER 15

6:30 - 7:30 am	Yoga <i>(Room 41)</i>
8:00 - 10:00 am	Registration
8:30 - 10:00 am	<p><b>Concurrent Sessions</b></p> <ul style="list-style-type: none"> <li>» <b>T1A:</b> Learning from Experience – Federal and Provincial Perspectives on Healthy Great Lakes</li> <li>» <b>T1B:</b> Exploring the Value of Water</li> <li>» <b>T1C:</b> The Backbone of Southern Ontario’s Protected Greenspaces</li> <li>» <b>T1D:</b> Planning for Health</li> <li>» <b>T1E:</b> Building Local Support: The Grassroots Approach to Conservation</li> <li>» <b>T1F:</b> Getting Fish From Point A to Point B</li> <li>» <b>T1G:</b> Double the Value of Data – Share It Locally!</li> </ul>
10:00 - 10:30 am	Refreshment Break
10:30 am - 12:00 noon	<p><b>Concurrent Sessions</b></p> <ul style="list-style-type: none"> <li>» <b>T2A:</b> Human Health and the Great Lakes Watershed</li> <li>» <b>T2B:</b> Source Protection: What’s Next?</li> <li>» <b>T2C:</b> Understanding and Adapting to Climate Change Impacts on Natural Systems</li> <li>» <b>T2D:</b> And Access for All: Removing the Barriers to Nature</li> <li>» <b>T2E:</b> New Ways to Engage</li> <li>» <b>T2F:</b> Freshwater Mussels at Risk</li> <li>» <b>T2G:</b> A Little Data Goes a Long Way</li> </ul>
12:00 noon - 1:45 pm	<p><b>Pioneer Award Luncheon</b></p> <ul style="list-style-type: none"> <li>» <b>Honourable Michael Gravelle</b>, Minister of Natural Resources</li> <li>» <b>Allan Foster</b>, Master of Ceremonies</li> </ul>
2:00 - 3:30 pm	<p><b>Concurrent Sessions</b></p> <ul style="list-style-type: none"> <li>» <b>T3A:</b> Building Healthy Watershed Community Support for Great Lakes Protection</li> <li>» <b>T3B:</b> Approaches to Implementing Source Protection Plans: An Industry Perspective</li> <li>» <b>T3C:</b> Managing Impacts of Modern Agriculture and Drains on Biodiversity and Water</li> <li>» <b>T3D:</b> Mind Gains: Nature and Your Brain</li> <li>» <b>T3E:</b> Tools of Engagement</li> <li>» <b>T3F:</b> Salmonids!</li> <li>» <b>T3G:</b> Sharing Supports a Healthy Environment</li> </ul>
3:30 - 4:00 pm	Refreshment Break
4:00 - 6:45 pm	<p>Student Poster Display and Competition</p> <p>Dream Auction</p>
7:00 - 9:00 pm	Gala Banquet
8:00 - 9:00 pm	Drum Cafe, Interactive Entertainment
9:00 - 11:00 pm	Hospitality Suite <i>(Room 41)</i>

**The following events take place in the Conservation Dome:**

Welcome and Introductions, all Plenary Sessions and Keynote presentations, all meals, Pioneer Award Ceremony, Student Poster Display, Dream Auction, Gala Banquet, Early Bird Conservation Breakfast and Young Conservation Professionals Graduation

# PRESCRIPTION FOR A HEALTHY ENVIRONMENT

2012 PROGRAM AT A GLANCE CONTINUED

## Day 3 FRIDAY, NOVEMBER 16

8:00 - 10:00 am	<b>Registration</b>
7:00 - 7:30 am 7:30 - 8:15 am	<b>Early Bird Conservation Breakfast</b> <b>KEYNOTE SPEAKER</b> » Dr. Samina Raja, <i>Author, Building Healthy Communities</i>
8:30 - 10:00 am	<b>Concurrent Sessions</b> » <b>F1A:</b> Bringing the Lake Simcoe Protection Plan to Life: An Update on 3 years of Progress » <b>F1B:</b> Prioritizing Climate Change » <b>F1C:</b> Canary in a Coal Mine » <b>F1D:</b> Healthy Landscapes - Healthy People » <b>F1E:</b> Building on Our Strengths » <b>F1F:</b> Prescriptions for a Healthy Watershed: Restoring the Natural Infrastructure of Our Watersheds » <b>F1G:</b> Lessons Learned from a Creative and Budget-Wise Communications Project Around the Air Quality Index
10:00 - 10:30 am	<b>Refreshment Break</b>
10:30 am - 12:00 noon	<b>Concurrent Sessions</b> » <b>F2A:</b> Tools to Make it Happen for the Health of Lake Simcoe » <b>F2B:</b> Monitoring the Health of Ontario's Water » <b>F2C:</b> Less Talk - More Herp Action! » <b>F2D:</b> Footprint on the Landscape: Traditional and Cultural Values in Today's Forest » <b>F2E:</b> Living on Earth as if We Want to Stay » <b>F2F:</b> Once Upon a Gravel Pit... » <b>F2G:</b> Communication Solutions that Contribute to Success with Your Audiences
12:00 noon - 1:00 pm	<b>Young Conservationists Luncheon &amp; Graduation</b> » Tribute to Young Conservation Professional Program
1:00 - 2:00 pm	<b>KEYNOTE SPEAKER</b> » <b>Ed Begley Jr.</b> <i>Environmentalist and Actor (via video conference)</i>
2:00 - 2:15 pm	<b>Wrap Up</b>

**The following events take place in the Conservation Dome:**

Welcome and Introductions, all Plenary Sessions and Keynote presentations, all meals, Pioneer Award Ceremony, Student Poster Display, Dream Auction, Gala Banquet, Early Bird Conservation Breakfast and Young Conservation Professionals Graduation





## SUCCESSFUL CANDIDATES OF THE 2012 GRANT PROGRAM

NAME	AFFILIATION
Tamara Tucker	Community Stream Steward Program
Cass Stabler	Rural Lambton Stewardship Network
David Ryrrie	Sir Sandford Flemming College
Ivana Lung	University of Guelph
Karen Alexander	Lake Huron Center for Coastal Conservation
Nathaniel Stranger	University of Toronto
Sarah Warnock	Ontario Heritage Trust
Jennifer Spalton	Toronto and Region Conservation
Judy Gilchrist	Oak Ridges Moraine Land Trust
Nicole Marzok	ICLEI - Local Governments for Sustainability
Reham Khader	McMaster University
Mark Funk	Hamilton Conservation Authority
Melanie Howe	The Ecologos Institute
Julia Marko Dunn	Conservation Halton
Marleen Castellan	University of Waterloo
Jamie Ferguson	City of Mississauga
Jenna Quinn	rare Charitable Research Reserve
Casey Sharp	Catawaqui Region Conservation Authority
Andrew McCammon	Ontario Headwaters Institute
Christina Bossart	Muskoka Heritage Foundation



**Foodland**  
ONTARIO

Good Things Grow in Ontario

Healthy people need healthy food. Farmers know that protecting watersheds is critical to healthy food production. Foodland Ontario is delighted to partner with the Nottawasaga Inn and Resort to support and feature healthy local food at the 2012 A.D. Latornell Symposium.

# PRESCRIPTION FOR A HEALTHY ENVIRONMENT

## VISITING WITH EXHIBITORS

There are two areas where delegates can visit exhibitors during the A.D. Latornell Conservation Symposium. Exhibit Halls (A and B) are located near concurrent session rooms on the lower level of the hotel.

A second area, The Conservation Dome, is located in the Plenary Area where keynote speakers are hosted and social events take place.

Over the course of the Symposium, delegates can also relax and network in a café area set up between the two Main Exhibit Halls on the lower level of the Nottawsaga Inn. Wireless internet service is available. Speciality coffee will be set in this area.

### WEDNESDAY, NOVEMBER 14, 2012

8:30 AM – 11:00 PM	Exhibit Halls Open
3:30 PM – 4:00 PM	Refreshment Break with Exhibitors » Presentation by ClimateCHECK*
5:30 PM – 7:00 PM	Wine and Cheese in the Exhibit Halls
7:00 PM – 8:00 PM	Dessert
8:00 PM – 11:00 PM	Mix and Mingle in the Exhibit Halls



### THURSDAY, NOVEMBER 15, 2012

8:30 AM – 6:00 PM	Exhibit Halls Open
10:00 AM – 10:30 AM	Refreshment Break with Exhibitors » Presentation by FTS Environmental*
3:30 PM – 4:00 PM	Refreshment Break with Exhibitors » Presentation by Canadian Wildlife Federation and Centre for Sustainable Watersheds*



### FRIDAY, NOVEMBER 16, 2012

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

\*Presentations by exhibitors take place at The Watering Hole

## THE WATERING HOLE

Cappuccino and Espresso will be available downstairs on:

### Wednesday, November 14<sup>th</sup>:

8:00 – 10:00 AM	The Watering Hole
5:30 – 7:00 PM	The Watering Hole will be available during the Wine and Cheese Reception
8:00 – 10:00 PM	The Watering Hole will be available during Chart your own Course & Desserts



## MUSKOKA WILDLIFE @ LATORNELL

### Wednesday, November 14<sup>th</sup> from 5:30 PM - 7:00 PM in Exhibitor Hall B



The Muskoka Wildlife Centre will be bringing some of their animals for a visit to the Symposium this year. The Muskoka Wildlife Centre is not a zoo, but rather an interactive learning park. It's a place where individuals, families and special interest groups can spend some time exploring the wonders of our natural world. Indoor facilities and fifty acres of scenic walking trail feature exhibits of many species of wildlife, native to Ontario.

Some of the resident animals are ex-pets or were abandoned, while others were injured in the wild and are now un-releasable. These hand-raised and well socialized creatures live out their lives, nestled comfortably in spacious naturalistic enclosures.

## WEDNESDAY PROGRAM DETAILS 2012

### 10:00 AM: Welcome and Introductions

**Deborah Martin-Downs** Chair, A.D. Latornell Conservation Symposium (*Master of Ceremonies*)  
**Dick Hibma** Chair, Conservation Ontario



## 10:30 AM TO NOON - PLENARY SESSION / KEYNOTE SPEAKERS



### **William Bird** *Founder and Director of Intelligent Health in the U.K.*

Dr. William Bird is a GP who in 1995 developed Walking for Health, which now delivers 3,500 walks a week in England for the least active to become active. In 1997 he developed the Green Gym, which has over 100 schemes in the UK and encourages people to become active through conservation.

In 2000 Dr. Bird helped the British Heart Foundation to set up the National Centre Physical Activity and Health in Loughborough University and became its' medical advisor in the first year. Between 1999 and 2005 he was the first medical director at the Met Office, developing the health forecasting unit, including heat health warning and health forecasting for COPD and asthma.

In 2006-2011 he became Strategic Health Advisor to Natural England, developing Natural Health Service and working between the Department of Health and DEFRA. In 2009 as Honorary Senior Lecturer at Peninsula Medical School he helped set up the European Centre for Environment and Human Health. Also in 2009 Dr. Bird worked with the Department of Health to create *Let's Get Moving* to deliver physical activity in primary care. At the same time he was commissioned by the Department of Health, with Professor Sir Muir Gray, to write a national walking strategy.

In 2010 he was awarded an MBE for services to promote physical activity and health and in 2011 he developed *My Best Move* for West Berkshire GP Practices on behalf of the Director of Public Health.

Dr. Bird chairs the Physical Activity Alliance, initially with the Department of Health but now independent, that combines members from sustainable transport, leisure and outdoor recreation. He also set up the company Intelligent Health in 2009 which is delivering a Global Walk to School Competition and training GPs in London in physical activity as part of the 2012 Olympic Health Legacy for NHS London.



### **WATER CARE: PART OF OUR NEW HEALTH CARE SYSTEM**

#### **John Howard** *Canadian Association of Physicians for the Environment*

For Canadians, universal health care is highly valued. Canadians are entering a time of significant governmental fiscal restraint. Because health care consumes the largest slice of government spending in Canada, a major change in how health care is defined and delivered is imminent. Current health care is really sickness care – care of the sick, as opposed to creating and maintaining health. As we overhaul our existing sickness care, the time is right to consider health in its broadest sense. This

must include the health of the air we breathe, the food we eat and the water we drink. As we approach a major systemic change, how can we keep water health a prominent part of a greater holistic vision of health?

Dr. John Howard is presently the Chair of the Canadian Association of Physicians for the Environment and is a Professor of both Paediatrics and Medicine in the Schulich School of Medicine and Dentistry at Western University in London, Ontario. His major academic interests are Ecosystem Health as it applies to human health care, and Change Dynamics within institutions. Dr. Howard is a very well recognized medical educator having received over 25 teaching awards including provincial and national awards. He has a full time medical practice in paediatric gastroenterology, is married with 3 grown children and, most important to him, is a new grandfather.

## LUNCHEON KEYNOTE SPEAKER

### **THE POWER OF STORYTELLING**



#### **Terry O'Reilly** *Host, "Under the Influence", CBC Radio*

Storytelling is hardwired into our DNA. It is the not only the most powerful way information can be imparted, it is also the most meaningful. All the top products and services in the world are underpinned by captivating brand stories. Well-told stories attract attention, convince and persuade. Join Terry O'Reilly as he talks about the critical importance of telling honest, compelling stories in order to break through the data smog, influence behaviour, and break down complicated messages. In non-profit and government agencies, storytelling is imperative. In the end, the best story wins.

After a successful career as an award-winning copywriter for Campbell-Ewald, Doyle Dane Bernbach and Chiat/Day, Terry co-founded Pirate Radio & Television in 1990. A creative audio production company, Pirate has a staff of 50, with 8 recording studios in Toronto and New York City.

Terry has won a few hundred national and international awards for writing and directing. He hosts sold-out creative radio seminars, was named Canadian judge for the inaugural year of Radio at the Cannes Advertising Festival in France, and was named Radio Chairman for both the International Clio Awards in Miami, and the London International Advertising Awards. When he's not creating advertising, he's talking about it as the host of the award-winning CBC Radio One/Sirius Satellite radio show, *Under the Influence* which was the follow-up to the hit series, *The Age of Persuasion*.

Terry is married with three daughters.

# Day 1 WEDNESDAY, NOVEMBER 14

2:00 PM - 3:30 PM

## Integrated Watershed Management

Water

## Natural Heritage and Biodiversity

W1A

W1B

W1C

Issues in Urbanizing Watersheds

Showcasing Water Innovation and Sustainability

Inventory: More than Counting the Beans

### ROOM 15

### ROOM 10A

### ROOM 10

Urbanization can impact watersheds in several ways, including affects on flood levels and frequencies, stormwater systems, and other urban infrastructure. Three speakers will discuss the impacts and emerging trends in flood risk management in Ontario. The related affects on land uses and water quality will also be explored through specific case studies, including recent work in the Red Hill Creek Watershed in Hamilton.

- » **The Impacts of Watershed Urbanization on Flood Risk**  
**RYAN NESS**  
*(Toronto and Region Conservation Authority)*
- » **Flood Risk Assessment – Humber River Watershed**  
**RON SCHECKENBERGER**  
*(AMEC Environment and Infrastructure)*
- » **Land Use and Water Quality Linkages in the Red Hill Creek Watershed**  
**HAZEL BRETON**  
*(Hamilton Conservation Authority)*

Our current economy provides a tremendous opportunity to consider the implementation of adaptive environmental management strategies to meet the challenges of climate change, aging infrastructure and human health. This session will explore a number of innovative and emerging sustainable water technologies.

- » **Showcasing Water Innovation Funding Program**  
**BARB MCMURRAY**  
*(Ministry of the Environment)*
- » **City of Guelph: Residential Greywater Field Test Study**  
**WAYNE GALLIHER**  
*(City of Guelph)*
- » **Net Zero Water Facilities**  
**BRUCE TAYLOR**  
*(Enviro-Stewards)*
- » **Wastewater as a Resource**  
**BRAD BASS**  
*(University of Toronto)*

Back-to-basics inventory methods and well-established monitoring programs allow resource managers, researchers, and citizen scientists to collect useful and consistent ecological information. This leads to responsible decision making when faced with complicated issues. This session will highlight inventory applications and projects in Ontario for invasive species, vegetation and bats.

- » **Making Invasive Species Inventory Useful**  
**JULIA BUCK**  
*(Ministry of Natural Resources)*
- » **Vegetation Inventory - Why We Need To Go Back To The Basics**  
**DR. DANIJELA PURIC-MLADENOVIC**  
*(Ministry of Natural Resources and Faculty of Forestry, University of Toronto)*
- » **Ontario's Bats: Biology, Ecology and Conservation Issues**  
**LESLEY HALE**  
*(Ministry of Natural Resources)*



Healthy by Nature	Inspiring Change - Stewardship, Outreach and Education	Resources Management Restoration and Rehabilitation	Tools of the Trade – GeoSpatial Technology
W1D	W1E	W1F	W1G
Value Smart: Raising Awareness of Nature’s Benefits	Tracking Stewardship Attitudes, Practices and Performance	Restoring and Conserving our Native Grasslands	Where Knowledge Ends, Analysis Begins – Using Models for Decision Making
ROOM 16	ROOM 4	ROOM 5	ROOM 6
<p>1) Spending time in nature is good for you, 2) nature provides us with all kinds of valuable benefits – both statements seem self-evident and logical, but because a large part of our population has so little contact with the natural world, we’ve lost touch with what our grandparents knew. This session is your reminder.</p> <ul style="list-style-type: none"> <li>» <b>The Value of Nature to Human Well-Being</b> <b>MIKE PUDDISTER</b> and <b>TATIANA KOVESHNIKOVA</b> <i>(Credit Valley Conservation)</i></li> <li>» <b>Communicating the Benefits of Nature</b> <b>JODE ROBERTS</b> <i>(David Suzuki Foundation)</i></li> </ul>	<p>How do we know whether stewardship activities are making a difference? How are we contributing to healthy communities, healthy ecosystems and healthy farms? What are the attitudes and practices of non-farm rural landowners? Join us to learn about recent ideas, innovations and techniques for tracking and understanding biodiversity, environmental and social dimensions of stewardship.</p> <ul style="list-style-type: none"> <li>» <b>Taking the Pulse: How Stewardship Activities Contribute to Healthy Communities and Healthy Ecosystems</b> <b>SUZANNE BARRETT</b> <i>(Stewardship Network of Ontario)</i></li> <li>» <b>Greener Acres? New Approaches to Assessing Environmental Performance on the Farm</b> <b>DARRYL FINNIGAN</b> <i>(Ministry of Agriculture, Food and Rural Affairs)</i></li> <li>» <b>Motivating Stewardship: Attitudes and Perceptions of Rural Non-Farm Landowners in the Credit River Watershed</b> <b>LISA BRUSSE</b> <i>(Credit Valley Conservation)</i></li> </ul>	<p>Restoration, rehabilitation and management of our native grasslands, in both rural and urban settings.</p> <ul style="list-style-type: none"> <li>» <b>Secrets of Successful Native Grass Stand Establishment</b> <b>BOB CLAY</b> <i>(Toronto and Region Conservation Authority)</i></li> <li>» <b>Increasing Biodiversity in Our Community</b> <b>JAKE LOZON</b> <i>(Rural Lambton Stewardship Network)</i></li> <li>» <b>Conserving Grassland Habitats on the Carden Alvar</b> <b>RON REID</b> <i>(Couchiching Conservancy)</i></li> </ul>	<p>This session showcases a variety of modeling tools that are useful to environmental practitioners, especially around Climate Change and Floodplain Mapping.</p> <ul style="list-style-type: none"> <li>» <b>Climate Research and Action: A Model for Integrated Collaboration - The Ontario Climate Consortium</b> <b>STEWART JAMES DUTFIELD</b> <i>(Toronto and Region Conservation Authority and York University)</i></li> <li>» <b>Use of Models in Watershed Management</b> <b>FERDOUS AHMED</b> <i>(Rideau Valley Conservation Authority)</i></li> <li>» <b>Real-time Water Quality Monitoring</b> <b>AMANJOT SINGH</b> <i>(Credit Valley Conservation)</i></li> </ul>

# Day 1 WEDNESDAY, NOVEMBER 14

4:00 PM - 5:30 PM

## Integrated Watershed Management

W2A

Issues in Agricultural Watersheds

ROOM 15

Speakers in this session will outline recent activities in modeling rural stormwater management; the influence of land use changes on long term trends in agricultural stream water quality; and an overview of agricultural best management practices research with next steps.

- » **Creation of a Rural Stormwater Management Model**  
**ALEC SCOTT**  
(*Ausable Bayfield Conservation Authority*)
- » **Long-Term Trends in Agricultural Stream Water Quality and the Influence of Land Use**  
**KATIE STAMMLER**  
(*University of Waterloo*)
- » **Overview of Agricultural Best Management Practices Research and Next Steps**  
**GABRIELLE FERGUSON**  
(*Ministry of Agriculture, Food and Rural Affairs*)

## Water

W2B

Ensuring Enough Water for All

ROOM 10A

Permits-to-take-water continues to be a valuable tool in the overall management of water quantity and quality for all users, especially Mother Nature. How has it evolved? How will it contribute to ongoing assessment and regulatory roles in Source Water Protection, equitable sharing, flow management, and the protection of water quality for all uses including ecological functioning?

- » **Environmental Commissioner's Prescription for Permits-to-Take-Water**  
**ELLEN SCHWARTZEL**  
(*Environmental Commissioners Office*)
- » **Grand River Conservation Authority - Eflows and Permits-to-take-Water and Low Water**  
**AMANDA WONG**  
(*Grand River Conservation Authority*)
- » **De-myth-tifying Permits-to-Take-Water**  
**HAL SCHRAEDER**  
(*Ministry of the Environment*)

## Natural Heritage and Biodiversity

W2C

From Condos to Corn Cobs: Where Does Natural Heritage Fit In?

ROOM 10

The natural areas of i) a very urban area, ii) a highly agricultural landscape and iii) a more naturally intact landscape have recently been evaluated to provide a context for natural heritage systems planning. Three landscapes, three approaches, one goal – the conservation of southern Ontario's natural heritage.

- » **Landscape Scale Analysis of the City of Mississauga**  
**YVETTE ROY**  
(*Credit Valley Conservation*)
- » **A 'Sustainable Huron' Approach to Natural Heritage Protection**  
**SUSANNA REID**  
(*Huron County*)
- » **Developing an Integrated Aquatic and Terrestrial Natural Heritage System Strategy for the Ganaraska Region**  
**KEN TOWLE**  
(*Ganaraska Region Conservation Authority*) and **LES STANFIELD**  
(*Ministry of Natural Resources*)



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Healthy by Nature

Inspiring Change -  
Stewardship, Outreach  
and Education

Resources Management,  
Restoration and  
Rehabilitation

Tools of the Trade –  
GeoSpatial  
Technology

W2D

W2E

W2F

W2G

The Economics of  
Healthy Ecosystems

Reaching Out to Rural  
Landowners

Afforestation: The  
Magic Bullet?

Taming the Data Beast

**ROOM 16**

Healthy ecosystems support healthy economic systems. This session explores the best practices on the use and interpretation of the economic valuation of ecosystem services as it relates to human wellbeing.

- » **The Economics of Ecosystem Services and Biodiversity in Ontario**  
**ERIC MILLER**  
(York University)
- » **Incentives for Wetland Restoration: What is the Best Mix?**  
**TATIANA KOVESHNIKOVA**  
(Credit Valley Conservation)
- » **Woods for Health**  
**NIALL LOBLEY**  
(Conservation Halton)

**ROOM 4**

The Ontario Rural Landowners Stewardship Guide has now been in use for five years and is central to the landowner engagement and outreach programs of a number of Ontario conservation organizations. This interactive session builds on the very successful session held at Latornell in 2010 and will use a panel interview format to explore the on-going application and success of the guide. The audience will be engaged to identify potential improvements, as well as opportunities for enhanced delivery.

- » **Reaching Out to Landowners for Healthy Environments: Ontario Rural Landowners Stewardship Guide**  
Facilitated by: **DR. WAYNE CALDWELL**  
(University of Guelph) and **SUZANNE BARRETT**  
(Stewardship Network of Ontario)

**ROOM 5**

Trees have many benefits, such as improving air and water quality, naturalizing landscape and decreasing levels of stress in people, but are they the magic bullet for environmental and human health? Join us for a panel on afforestation in Ontario to discuss: the links between trees; healthy ecosystems; human health; past and current afforestation initiatives; and future opportunities to increase Ontario's forest cover through afforestation.

Moderated by:  
**GORD MILLER**  
(Environmental Commissioner of Ontario)

- Panel Members:
- » **DON PEARSON**  
(Conservation Ontario)
  - » **ROB KEEN**  
(Trees Ontario)
  - » **GARY NIELSEN**  
(Ministry of Natural Resources)
  - » **DR. JOHN BACHER**  
(Preservation of Agricultural Lands Society)

**ROOM 6**

In recent years, environmental agencies have seen a significant growth in the volumes of data. Over the coming years, government and environmental non-government organizations must collaborate, and act to develop partnerships in making this data accessible and develop the infrastructure for its proper management.

- » **Archive of Agri-Environmental Programs in Ontario 1970 – 2000**  
**DR. BRUCE BOWMAN**  
(Retired, Agriculture and Agri-Food Canada)
- » **Innovative 3D Spatial Data Management Solutions**  
**IAN JEFFREY**  
(Ganaraska Region Conservation Authority)
- » **An Update on the Flowing Waters Information System, Little Steps Toward Implementing a Flowing Waters and Fish Collaborative Strategy**  
**SILVIA STROBL**  
(Ministry of Natural Resources)

# Day 1 WEDNESDAY, NOVEMBER 14

## WINE AND CHEESE + CHART YOUR COURSE EVENT

### 5:30 – 7:00 PM Muskoka Wildlife @ Latornell Exhibit Halls Wine and Cheese

Delegates are invited to join us for networking and 'gnoshing' at the Exhibitor's Wine and Cheese event taking place in the lower level of the Nottawasaga Inn & Conference Centre on Wednesday, November 14<sup>th</sup> from 5:30 PM - 7:00 PM. Desserts will be offered in the Exhibit Halls after dinner as well.

### 7:30 – 7:50 PM Soil and Water Conservation Society

A.D. Latornell Award of Merit

### 7:50 – 8:00 PM Wine Draw

A limited number of 'hot' tickets will be available for a 'timed sale' at the Harvest. Banquet on Wednesday, November 14<sup>th</sup>. Tickets will be \$20. The draw will take place at 7:50 PM in the Conservation Dome, and you must be present to win.

**Wine Rack and Wine:** Hand Made 12 bottle Wine Rack with a selection of fine Ontario wines.

### 8:00 – 11:00 PM Chart Your Course Event

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

- » Continue to Mix and Mingle with Exhibitors until 10:00 PM  
(Location: Exhibitor's Gallery. Conversation supplied.)
- » Either play or cheer for your favourite teams at the Hockey Summit  
(Location: Arena. Bring your own equipment.)
- » Join in The Amazing Latornell Race - Season one!  
(Location: Meet in Room 15 for instructions.)

### 10:30 – 11:30 PM Hospitality Suite in Room 41

## JAZZ DUO!

Join our very own Jazz Duo in Exhibit Room B during the Wine and Cheese Reception...

Keith Murch, Grand River Conservation Authority, and Doug van Hemessen, Ministry of Natural Resources, will provide a jazz backdrop with guitar and double bass. Keith has played guitar professionally with many jazz combos and big bands for over thirty years. Doug plays bass in various bands and ensembles in Peterborough, Ontario.



## 6<sup>TH</sup> ANNUAL LATORNELL HOCKEY SUMMIT

Delegates attending the Symposium are once again invited to lace up for pick up hockey. We're looking for enthusiastic hockey players – skills not required.



## THE AMAZING LATORNELL RACE - NEW FOR 2012

The A.D. Latornell Conservation Symposium is pleased to offer a new Chart Your Own Course activity. Delegates are invited to participate in The Amazing Race at the Nottawasaga Inn.

Just show up with your team to play.

- » 2 hour team race through Nottawasaga Inn & Convention Centre
- » Compete against other delegate teams to gather the most information and items during the race
- » \$400 cash to the winning team





## 2012 A.D. LATORNELL CONSERVATION SYMPOSIUM GRANT

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

Since 2002, a total of 176 people have received a grant. Applicants must be a student (college or university) or affiliated with an Ontario not-for profit/community conservation organization either as an employee or volunteer.

Recipients receive one - three day registration package, including conference meals, and two nights accommodations at the Nottawasaga Inn. Individuals interested in applying for the 2013 Symposium are encouraged to do so at [www.latornell.ca/grant.html](http://www.latornell.ca/grant.html)

*"The AD Latornell Symposium was a great opportunity for me to learn more about the current issues in the conservation arena. The workshops and speakers were relevant, interesting and inspiring. Throughout the symposium I was able to connect with many individuals who are working to provide all Canadians with a bright and healthy future".*

**Kim Ootjers**  
*Conservation Halton*

*"The conference experience introduced me to a number of conservation challenges and the innovative people working to solve them. I left with a clearer picture of current issues - and excited to face them".*

**Jane Simmons**  
*University of Guelph*

*"The treatment I received as a grantee was above and beyond. The steering committee did a great job of providing opportunities for grantees to get to know each other and the symposium in general was a great networking experience. The topics covered by speakers were vast and informative. Overall the Latornell Symposium proved to be a great experience".*

**Olivia Bakowski**  
*Credit Valley Conservation Authority*

**Yoga**  
at  
Latornell

*Unite your mind, body and spirit*

Thursday  
Start your day with a Yoga Class.  
Mats will be available  
6:30 am – 7:30 am in room 41

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# Day 2 THURSDAY, NOVEMBER 15

8:30 AM – 10:00 AM

Healthy Great Lakes	Water	Natural Heritage and Biodiversity
TIA	TIB	TIC

Learning from Experience – Federal and Provincial Perspectives on Healthy Great Lakes	Exploring the Value of Water	The Backbone of Southern Ontario's Protected Greenspaces
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<b>ROOM 15</b>	<b>ROOM 10</b>	<b>ROOM 16</b>
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Using indicators of ecosystem health, an overview of the current state of the Great Lakes is provided. The protection and restoration of this great system has seen immense benefit from various partnerships guided under the leadership of Provincial and Federal agencies. Old stresses and threats continually combine with new ones and confuse the progression of policy into environmental action. This session will examine various challenges and successes faced by some key Great Lakes agencies and will look at how differing interests and priorities can unite to protect this global resource.

- » **Overview of the Current State of the Great Lakes Ecosystem**  
**JOHN MARSDEN**  
(Environment Canada)
- » **Great Lakes Protection Updates**  
**SHARON BAILEY**  
(Ministry of the Environment)
- » **Great Lakes Protection and Management – A Ministry of Natural Resources Perspective**  
**JENNIFER KEYES**  
(Ministry of Natural Resources)

Water is a paradoxical commodity: It seems free and plentiful, yet its supply is under tremendous strain. Far too often, water is not treated like the valuable commodity that it is, as witnessed nationally by the excessive per capita water consumption. This session will engagingly explore the economical, societal, and environmental values of water and current water conservation endeavours at various levels.

- » **Water Leadership in Canada**  
**NANCY GOUCHER**  
(Forum for Leadership in Water)
- » **Water as Part of a Corporate Sustainability Strategy**  
**ANDREW CRAIG**  
(Royal Bank of Canada)
- » **The Value of Water – A Fresh Experience**  
**CHERI BUXTON**  
(The Regional Municipality of York)

At the landscape level natural heritage and biodiversity is protected in Southern Ontario by a series of Provincial legislations and Plans. In 2015 the Niagara Escarpment, Oak Ridges Moraine and the Greenbelt Plans will come up for review. What have we learned over the ten plus years and what potential policy refinements and on-the-ground efforts are still needed to support both ecological and human health across these landscapes?

- » **Niagara Escarpment: The ONE Monitoring Program**  
**ANNE MARIE LAURENCE**  
(Niagara Escarpment Commission)
- » **Protecting Greenbelt Wetlands: Lessons Learned to Inform Provincial Policy**  
**KEVIN RICH**  
(Ducks Unlimited)
- » **Oak Ridges Moraine: Preparing for 2015**  
**KIM GAVINE**  
(Oak Ridges Moraine Foundation)



Healthy by Nature	Inspiring Change - Stewardship, Outreach and Education	Resource Management (Fisheries)	Tools of the Trade – Information Management
TID	TIE	TIF	TIG
Planning for Health	Building Local Support: The Grassroots Approach to Conservation	Getting Fish From Point A to Point B	Double the Value of Data – Share It Locally!
ROOM 5	ROOM 4	ROOM 10A	ROOM 6
<p>How we plan our communities can influence the health of its residents. In this session hear how public health units and planners are acting to identify and manage the implications for urbanization on human health.</p> <ul style="list-style-type: none"> <li>» <b>Public Health Working to Create Healthy and Sustainable Communities</b> <b>KIM PERROTTA</b> (<i>Creating Healthy and Sustainable Environments</i>)</li> <li>» <b>Public Health and the Built Environment</b> <b>DAN LEEMING</b> (<i>Planning Partnership</i>)</li> <li>» <b>Natural Heritage System Planning and Public Health: Partners in Ecosystem Health</b> <b>DONNA CHURIPUY</b> (<i>Peterborough County-City Health Unit</i>)</li> </ul>	<p>In this session, Carolinian Canada, Alternative Land Use Services (ALUS) and Ontario Nature explain how they build community support for local conservation efforts and advance greenway systems of natural core areas in southern Ontario. The presenters will explore the successes and challenges experienced while working with conservationists, farmers and municipalities to promote stewardship and conservation initiatives.</p> <ul style="list-style-type: none"> <li>» <b>Community Action Planning for a Healthy Elgin County</b> <b>JARMO JALAVA</b> (<i>Carolinian Canada Coalition</i>)</li> <li>» <b>Farmers and Naturalists – Creating Sustainable Value for Food, Farming and Biodiversity</b> <b>BRYAN GILVESY</b> (<i>Alternative Land Use Services</i>) and <b>DR. ANNE BELL</b> (<i>Ontario Nature</i>)</li> <li>» <b>Engaging Municipalities in Natural Heritage Systems Planning</b> <b>JOSHUA WISE</b> (<i>Ontario Nature</i>)</li> </ul>	<p>A discussion on the considerations, mechanics and importance of providing fish passage.</p> <ul style="list-style-type: none"> <li>» <b>Fish Passage 101</b> <b>DERRICK BEACH</b> (<i>Fisheries and Oceans Canada</i>)</li> <li>» <b>The State of Fishway Practice and Science in Canada</b> <b>DR. STEVEN COOKE</b> (<i>Carleton University</i>)</li> <li>» <b>Black Sturgeon River Native Fisheries Rehabilitation</b> <b>MELISSA ROSE</b> (<i>Ministry of Natural Resources</i>)</li> </ul>	<p>Increasingly, agencies are moving to embrace open access to public data and more specifically, web-based tools for better decision making. If agencies are going to continue to collaborate and be relevant and valued by their partners, monitoring programs and data access to monitoring results are required.</p> <ul style="list-style-type: none"> <li>» <b>Swim Guide: Databases and Analysis for Public Beaches</b> <b>KRYSTYN TULLY</b> (<i>Lake Ontario Waterkeeper</i>)</li> <li>» <b>Toward a North American Groundwater Information Network</b> <b>BOYAN BRODARIC</b> (<i>Natural Resources Canada</i>)</li> <li>» <b>CUAHSI Data Management Module</b> <b>NEIL MACFARLANE</b> and <b>DAVID KRUPICZ</b> (<i>Central Lake Ontario Conservation Authority</i>)</li> </ul>

# Day 2 THURSDAY, NOVEMBER 15

10:30 AM - 12:00 PM

Healthy Great Lakes

Water

Natural Heritage and Biodiversity

T2A

T2B

T2C

Human Health and the Great Lakes Watershed

Source Protection: What's Next?

Understanding and Adapting to Climate Change Impacts on Natural Systems

ROOM 15

ROOM 10

ROOM 16

The Great Lakes are central to Ontarians' health. An overview on the connections between human health and the Great Lakes will be provided with a couple of case studies further exploring the relationships, which can be scaled-up to the Great Lakes.

- » Human Health and the Great Lakes - Great Lakes Protection Act Alliance Backgrounder  
**THERESA MCCLENAGHAN**  
(Canadian Environmental Law Association)
- » Exploring Relationships Between Watershed Health and Ecosystem Approaches to Health  
**DR. KAREN MORRISON**  
(Ontario Veterinary College, University of Guelph)
- » Emerging Opportunities Between Public Health and Watershed Ecosystem Services  
**MIKE PUDDISTER**  
(Credit Valley Conservation)

Most Source Protection Plans have been completed... so what's next? This session will explore various implementation challenges and opportunities proposed by the Province and implementing bodies including conservation authorities and municipalities.

- » Moving Forward - Source Protection Plan Implementation under the Clean Water Act  
**SPEAKER TBC**  
(Ministry of the Environment)
- » Working Together to Achieve Source Protection  
**SOMMER CASGRAIN-ROBERTSON**  
(Rideau Valley Conservation Authority)
- » We're Making Headway... A Municipal Reflection on Implementation  
**TANYA KAMPHERM MARTIN**  
(The Regional Municipality of York)

Understanding the potential impacts that a changing climate may have on natural systems is complex. Although climate change science is advancing there is inherent uncertainty in trying to forecast future conditions. Adding to this uncertainty is the complexity of natural systems. This session includes examples of some of the first assessment tools developed within Ontario to help understand and adapt to climate change impact on natural systems.

- » A Practitioner's Guide to Climate Change Adaptation in Ontario's Ecosystems  
**GARY NIELSEN**  
(Ministry of Natural Resources)
- » Integrated Climate Change and Natural System Risk Assessments  
**CHRISTINE TU**  
(Toronto and Region Conservation Authority)
- » Case Studies on Organizational Performance on Climate Change in the Conservation Sector: The Good, the Bad and the Ugly  
**CHRISTOPHER LEMIEUX**  
(Wilfrid Laurier University)



Healthy by Nature	Inspiring Change - Stewardship, Outreach and Education	Resource Management (Fisheries)	Tools of the Trade - Information Management
T2D	T2E	T2F	T2G

And Access for All: Removing the Barriers to Nature	New Ways to Engage	Freshwater Mussels at Risk	A Little Data Goes a Long Way
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<b>ROOM 5</b>	<b>ROOM 4</b>	<b>ROOM 10A</b>	<b>ROOM 6</b>
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<p>Experiencing nature and its health benefits should not be limited just to those who are able, knowledgeable and wealthy enough to partake. This session will explore the barriers and opportunities to experience nature for three very different user groups.</p> <ul style="list-style-type: none"> <li>» <b>Nature without Barriers</b> <b>LISA RICHARDSON</b> <i>(Ontario Nature)</i></li> <li>» <b>Urban Angling - It's Not Just About the Fish</b> <b>WIL WEGMAN</b> <i>(Ministry of Natural Resources)</i></li> <li>» <b>Learning to Camp - A New Canadian Experience</b> <b>JEFF BROWN</b> <i>(Ontario Parks)</i></li> </ul>	<p>The tree is planted and the tap is turned off, what comes next? Finding innovative ways to connect with others enables us to address new environmental challenges, as well as maintain the interest of audiences. These presentations showcase new approaches and innovative projects in the stewardship field.</p> <ul style="list-style-type: none"> <li>» <b>Camp Suzuki: Empowering Local Champions for Healthy Communities</b> <b>ARYNE SHEPPARD</b> <i>(David Suzuki Foundation)</i></li> <li>» <b>Gone with the Wind: A Sweeping Saga of Multi-Functional Windbreaks</b> (Simcoe County Project) <b>RYAN POST</b> <i>(Nottawasaga Valley Conservation Authority)</i> and <b>DEBORAH BROOKER</b> <i>(Ministry of Agriculture, Food and Rural Affairs)</i></li> <li>» <b>The Urban Jungle - From Gray to Green - How Ecological Landscaping and Leafy Green Infrastructure Can Aid With Human, Ecological and Economic Health!</b> <b>DONNA HAVINGA</b> <i>(Credit Valley Conservation)</i></li> </ul>	<p>Freshwater mussels are species at risk in Ontario. Learn about the latest research on their biology, the identification of critical habitat and mitigation measures.</p> <ul style="list-style-type: none"> <li>» <b>Protection and Recovery of Freshwater Mussel Species at Risk: Timing is Everything</b> <b>DR. TODD MORRIS</b> <i>(Fisheries and Oceans Canada)</i></li> <li>» <b>Snuffbox and the Three Bars: Investigating Geomorphological Approaches to Assess the Distribution of Freshwater Mussel Species at Risk in the Lower Ausable River</b> <b>ROGER PHILLIPS</b> <i>(University of Toronto)</i></li> <li>» <b>Relocating and Monitoring to Protect Mussels at Risk</b> <b>DR. GERRY MACKIE</b> <i>(University of Guelph)</i></li> </ul>	<p>The Ministry of the Environment's data portal and the Gateway Project are two examples of public sector agencies embracing open, web-based access to public data. These presentations will focus on innovative approaches to making the data more accessible to all.</p> <ul style="list-style-type: none"> <li>» <b>Weather and Water Information Gateway</b> <b>JAMES BRITTON</b> <i>(Ministry of Natural Resources)</i></li> <li>» <b>Sharing Environmental Data with Partners</b> <b>MITCHELL KNIGHT</b> <i>(Ministry of the Environment and Conservation Ontario)</i></li> <li>» <b>Ontario Flow Assessment Tools III (OFAT III)</b> <b>BRYCE MATTHEWS</b> <i>(Ministry of Natural Resources)</i></li> </ul>
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# Day 2 THURSDAY, NOVEMBER 15

## THURSDAY PROGRAM DETAILS 2012

### 1:00 PM TO 1:45 PM - PIONEER AWARD CEREMONY

Each year, the A.D. Latonnell Conservation Symposium 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:

#### **Allan Foster**

*Cookstown, Ontario*

#### **Master of Ceremonies**

Allan is a botanist and a teacher. He worked for the TRCA for 35 years. For most of that time he supervised the conservation education program at the Kortright Centre for Conservation.

As part of his job, he sought effective new ways to engage the public in environmental issues. This led to his study of nature folklore. He developed such a treasure chest of nature stories that he became a radio and TV personality representing the activities of the Conservation Authority. He became the longest standing resident naturalist for CBC radio.

His interest in nature stories led to a post-graduate study of how people learn through stories. He achieved a doctorate in adult education from the University of Toronto and wrote a book of his favourite nature stories - "The Loon, the Bat and the Raspberry Bush - fables from the natural world."

In 2007-2008 Allan spent some time in China where he taught a course, "environmental issues" to 4th year philosophy students at Sun Yat Sen University in Canton.

In 2008, Allan was presented with the Distinguished Public Education Award by the Council of University Biology Chairs for his contribution to public science education.

Although Allan is enjoying retirement, he still promotes environmental learning with a number of educational societies in the province.

He lives with his wife near Cookstown.

#### **Honourable Michael Gravelle**

*Minister of Natural Resources*

(video address)

Michael Gravelle represents the riding of Thunder Bay - Superior North has long been a dedicated community member, with an accomplished political and public service record. He is co-founder of the North of Superior Film Association and has served on the boards of the Magnus Theatre Company and the AIDS Committee of Thunder Bay. He was first elected to the Ontario legislature in 1995 representing the riding of Port Arthur. Gravelle was appointed Minister of Natural Resources in October 2011. He has served as the Minister of Northern Development, Mines and Forestry, Government Caucus Chair and as a member of the Priorities and Planning Board.





## 2012 PIONEERS



**Peter Orphanos**

Nominated by: Credit Valley Conservation

- Has provided leadership during the past 35 years for the preservation, restoration and enhancement of the Credit River Valley Watershed
- School educator for over 35 years and recognized as Environmental Educator of the year by the City of Mississauga
- Founded several residents associations and environmental groups, including Sierra Club Peel
- Has received numerous awards including: Leadership in Conservation Award (Federation of Ontario Naturalists) and Certificate of Recognition for Urban Forest Rehabilitation from the City of Mississauga



**John Sibbald**

Nominated by: Lake Simcoe Region Conservation Authority

- Operated The Briars Retreat on the shores of Lake Simcoe in a manner that is a stellar example of conservation and protection of the local environment and the lake
- Honoured as a life time member of The Board of Directors of Lake Simcoe Conservation Foundation
- Vice-chair of Ontario Parks Council (1980-86) and Governor of the Canadian Coalition on Acid Rain (1986-90)
- Received the 2010 Lieutenant Governor's Ontario Heritage Award for Lifetime Achievement



**Jack Imhof**

Nominated by: AFS (Ontario Chapter), Trout Unlimited Canada, and TRCA

- 40-year career in conservation and environmental pursuits
- Developed policies, guidelines, and standards for Aquatic Rehabilitation program and is a strong advocate for the Integrated Watershed Management Planning Process
- Instrumental in developing the science, procedures and policies for the protection and restoration of Natural Stream Systems
- Has published 22 scientific papers and 22 reports, as well as giving 55 formal presentations and lectures. He has been the recipient of 9 recognition awards for his work



**Scott Gillingwater**

Nominated by: Pembroke District Ministry of Natural Resources

- Long-term research has produced much of what is known about certain species at risk reptiles
- Over 18 years of professional experience and direct involvement with turtle and snake conservation biology in Ontario
- Significant conservation-based volunteer experience over the past 15 years
- Has published (or co-published) 22 technical reports, books and articles on a number of conservation subjects related to reptiles

# Day 2 THURSDAY, NOVEMBER 15

2:00 PM – 3:30 PM

Healthy Great Lakes

Water

Natural Heritage and Biodiversity

T3A

T3B

T3C

Building Healthy Watershed Community Support for Great Lakes Protection

Approaches to Implementing Source Protection Plans: An Industry Perspective

Managing Impacts of Modern Agriculture and Drains on Biodiversity and Water

ROOM 15

ROOM 5

ROOM 16

The proposed Great Lakes Protection Act emphasizes connecting communities in Ontario to their Great Lakes. Given that the actions that occur in our watersheds and along our coasts impact the Great Lakes, this session will explore the efforts to connect community action with watershed and coastal science.

- » **Motivation and Evaluation Using the Watershed Report Cards**  
**JULIE WELKER**  
(Upper Thames River Conservation Authority)
- » **Connecting River Watersheds with Coastal Environments – The Lake Huron Coastal Centre Example**  
**PATRICK DONNELLY**  
(Lake Huron Coastal Centre)
- » **Engaging Shoreline Residents and Businesses**  
**KATE HAYES**  
(Credit Valley Conservation)

Implementation of the Clean Water Act will impact a number of stakeholder groups, including those representing a number of industrial sectors. Source Protection Committees have decided how best to address the prescribed threats identifying as having the potential to impact municipal drinking water supplies. This session will investigate how various industries are proactively implementing source protection.

- » **Roadsalt and Source Water Protection: Is Convenience Compatible with Environmental Stewardship?**  
**BILL TRENOUTH**  
(University of Guelph)
- » **Farm Water Protection Plan: Building the Blocks in Risk Management**  
**JOHN HEMSTED**  
(Southern Georgian Bay Lake Simcoe Source Protection Committee)
- » **Applying Stewardship in the Fertilizer Industry**  
**KRISTIAN STEPHENS**  
(Canadian Fertilizer Institute)

Huge changes have been made to the rural landscape of southern Ontario since 1800. Modern agricultural practices, such as drains, seem to continue to exacerbate those impacts. Collectively we need to better manage our agricultural landscape for sustainability of soil, food, water and biodiversity benefits.

- » **Changes in the Southern Ontario Landscape From 1800 to Present; What Does It Mean for Future Environmental Management?**  
**JACK IMHOF**  
(Trout Unlimited Canada)
- » **Perspectives From Agricultural Community; Managing for Agriculture and the Environment**  
**JIM GINN**  
(Farmer and Mayor of Central Huron)
- » **Agricultural Drainage – Past, Current, and Application of Best Science for Future Options**  
**FRANK JONKMAN**  
(Drainage Superintendents Association of Ontario)

## LATORNELL CHECK-UP

The A.D. Latornell Conservation Symposium is getting close to its 20<sup>th</sup> Anniversary (November 2013) and we want to do a CHECK UP on how we've been doing.

The Symposium has become 'the' meeting place for people working in Ontario's environmental sector. Through your presentations and regular attendance, you've started to build an Environmental Community that shares information, explores innovative solutions, and develops partnerships to tackle some of the most important issues facing Ontario's environment today.

A link to the survey is available on the Symposium website [www.latornell.ca](http://www.latornell.ca) and if you complete a survey, you can enter a draw for a FREE IPAD. Contest closes November 30<sup>th</sup>, 2012.



Healthy by Nature	Inspiring Change – Stewardship, Outreach and Education	Resource Management (Fisheries)	Tools of the Trade – Information Management
T3D	T3E	T3F	T3G

Mind Gains: Nature and Your Brain	Tools of Engagement	Salmonids!	Sharing Supports a Healthy Environment
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<b>ROOM 10</b>	<b>ROOM 4</b>	<b>ROOM 10A</b>	<b>ROOM 6</b>
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<p>Nature is one of the best mind-altering drugs and we should be taking more of it to ensure good mental health. Three eminently qualified speakers will present the results of their studies into the positive relationship between the natural environment and your brain.</p> <ul style="list-style-type: none"> <li>» <b>Your Brain on Nature</b> <b>ALAN C. LOGAN</b> <i>(Author and Naturopath)</i></li> <li>» <b>A Nature-Related Prescription for Happiness</b> <b>DR. ELIZABETH NISBET</b> <i>(Trent University)</i></li> <li>» <b>Nurturing with Nature: Green Time and Children’s Health</b> <b>DR. MELISSA LEM</b> <i>(MD/Canadian Association of Physicians for the Environment)</i></li> </ul>	<p>Positive environmental change is most effective when a variety of techniques are applied. This session will demonstrate the breadth of tactics currently being used by “change makers.” From incentive-driven outreach campaigns, the promise of carbon sequestration initiatives, to understanding the full potential of the Environmental Bill of Rights. These “tools” will help put the environment back on a positive path and allow for active community engagement.</p> <ul style="list-style-type: none"> <li>» <b>RAIN: Inspiring Property Owners to Take Action to Manage Stormwater</b> <b>ANDREW MARSHALL</b> and <b>CHERYL EVANS</b> <i>(REEP Green Solutions)</i></li> <li>» <b>Using Carbon Sequestration as a Prescription to Stimulate Change</b> <b>STEPHEN BOLES</b> <i>(Kuzuka Ltd.)</i></li> <li>» <b>Inspiring Government Action through the Environmental Bill of Rights</b> <b>DR. TYLER SCHULZ</b> <i>(The Office of the Environmental Commissioner of Ontario)</i></li> </ul>	<p>A focused session on the state of salmonids in Ontario, featuring Atlantic Salmon and Brook Trout.</p> <ul style="list-style-type: none"> <li>» <b>Lake Ontario Atlantic Salmon Restoration Program: In-Stream Eyed-Egg Incubation Techniques used in the Humber River Watershed</b> <b>CHRISTINE PRITCHARD</b> <i>(Ontario Streams)</i></li> <li>» <b>Life History of Juvenile Atlantic Salmon in the Credit River</b> <b>JIM BOWLBY</b> and <b>MARC DESJARDINS</b> <i>(Ministry of Natural Resources)</i></li> <li>» <b>Developing a Recovery Strategy for Brook Trout in the Credit River Watershed</b> <b>PHIL BIRD</b> <i>(Credit Valley Conservation)</i></li> </ul>	<p>Conservation Collaboration: Learn how to leverage partnerships, resources, and “Open Data” to contribute to the conservation collaborative.</p> <ul style="list-style-type: none"> <li>» <b>Managing Watershed Health Through Partnerships</b> <b>JEFF MOXLEY</b> <i>(Ganaraska Region Conservation Authority)</i></li> <li>» <b>Open Data for Community Good (Workshop)</b> <b>JURY KONGA</b> <i>(eGovFutures Group)</i></li> </ul>
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# Day 2 THURSDAY, NOVEMBER 15

## STUDENT POSTER DISPLAYS AND COMPETITION

4:00 PM to 7:00 PM

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

This year, a total of 21 presenters are featured. They include:

NAME	AFFILIATION	POSTER PRESENTATION TITLE
<b>Teresa Dinh</b>	University of Guelph	Fire History Reconstruction in High Park's (Toronto, Canada) Black Oak ( <i>Quercus velutina</i> ) Savanna: a Dendrochronological Approach to Ecosystem Management
<b>Michelle DiLeo</b>	University of Toronto	The influence of landscape on gene flow in the provincially threatened massasauga rattlesnake, <i>Sistrurus c. catenatus</i>
<b>Jessica Murray</b>	University of Toronto	Sustainable Canadian bioenergy feedstock supply chains versus European Union policies
<b>James Lane</b>	University of Waterloo	Exploring the Impact of Wind Turbine Noise on Sleep Quality
<b>Lauren Overdyk</b>	University of Guelph	An interdisciplinary approach to comprehensively evaluate entrainment at water usage industries
<b>Roger Phillips</b>	University of Toronto	Stream power mapping of glacially conditioned catchments in southern Ontario
<b>Nathaniel Stanger</b>	University of Toronto	Vegetation gap analysis for the Region of Peel
<b>Steven Parkes</b>	University of Toronto	Vegetation Based Criteria and Indicators to Assess Forests on the Niagara Escarpment
<b>Lisa Van Waterschoot</b>	University of Guelph	Effects of Climate Change on the Hydrodynamics and Groundwater-Dependent Ecosystem of Covey Hill, Quebec
<b>Angela Saunders</b>	University of Guelph	KTT project - Turgrass Outreach Project (TOP)
<b>Ivana Lung</b>	University of Guelph	Examining water quality effects of land management practices in an agricultural watershed using a GIS based fully distributed hydrologic model
<b>Mark Ferguson</b>	University of Guelph	Advisory Committee Evaluation for Policy Revision: PNMAC Case Study
<b>Gurvinder Mundi</b>	University of Guelph	Vegetable Wash Water Reuse
<b>Elizabeth Simmons</b>	University of Guelph	Deriving Effluent Requirements Using a Watershed-Level Model
<b>Robyn Coleman</b>	University of Guelph	Predictions of Agroforestry Management and Climate Change Effects on Soil Organic Matter using the CENTURY and DAYCENT Models
<b>Bill Trenouth</b>	University of Guelph	Capture, Treatment and Control of Highway Runoff Pollutants Using a Novel Field Installation
<b>Andrew Betts</b>	University of Guelph	Identification of Salt Vulnerable Areas: A Critical Step in Road Salt Management
<b>Chris Lemieux</b>	University of Waterloo	Human health and well-being motivations and benefits associated with protected area experiences: an opportunity for transforming policy and management in Canada
<b>Sara Dart</b>	Queen's University	Butternut ( <i>Juglans cinerea</i> ) Planting and Restoration
<b>Swapan Roy</b>	University of Guelph	Simulation of Soil Water with SHAW in Conventional and No-tillage Land Management Practices
<b>Michelle Palmer</b>	Ontario Ministry of the Environment	An Algal Protocol and Diatom Index for Use in Ontario



## DREAM AUCTION

*4:00 PM to 7:00 PM*

The Dream Auction provides a variety of items bound to appeal to everyone in the crowd. It's a perfect opportunity to start your Christmas shopping with many one-of-a-kind items available.

There 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 for 2 kayaks** – 1 card for \$20 (see below for details)

At the Silent Auction 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 items include:

- » Aerial Survey of Algonquin Park (priceless)
- » Golf at Eagle's Nest, Bathurst Glen or Turnberry Golf Clubs
- » The Rock Lacrosse Tickets (maybe the best game in town this winter!)
- » 2 night stay in Ottawa during Winterlude
- » Handmade Butterfly House (birds have houses why not butterflies?)
- » Free weekend visit at the Nottawasaga Inn
- » Rainbarrel
- » Trees and Wildlife Prints/Art
- » Orange coral and freshwater pearl earrings and pendant by Rae Horst

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

A Pair of Spirit Kayaks – Donated by Beacon Environmental and Paluski Boats of Lakefield

Whether you want a quiet solo paddle in your Spirit Kayak or a family outing, this pair of kayaks will allow you the flexibility to experience the great outdoors, up close and personal.

**Featuring:**

- » generous cockpit opening that allows comfortable paddling in all weather & water conditions
- » adjustable padded seat
- » adjustable footstops
- » shock cord rigging and handles on bow and stern decks
- » unique paddle park attachment
- » rounded hull allows for easy turning in moving and shallow water
- » retractable skeg for tracking in open water

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

Thank you to everyone who helps make this such a success. Last year, the Auction raised almost \$13,000 and we hope – with your help – to do just as well, or better, this year!



# Day 2 THURSDAY, NOVEMBER 15

## 7:00 PM - GALA BANQUET DINNER

### 8:00 PM - ENTERTAINMENT

Drum Café is a world leader in all types of drumming entertainment, interactive drumming for team building, and drumming interactive shows for fun and party events. Building communities and helping employees manage stress and encouraging them to maintain work-life balance can increase a sense of well-being. It can help them to feel a part of the workplace, and can prevent serious work relationship problems from occurring in the future. Traditionally drumming has been used as a prelude to community functions. Drumming can be used to great effect during conferences - drawing people together, celebrating success and ensuring that the delegates leave feeling invigorated and motivated. Several of the world's largest companies including Microsoft, Motorola, and Unilever have incorporated Drum Café into their conference agenda. Drumming quickly breaks the ice and breaks barriers between participants.



### 9:00 PM to 11:30 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 19<sup>th</sup> annual A.D. Latornell Conservation Symposium, over 4,400 trees will be planted in the Nottawasaga River watershed. This marks the fifth year we have been planting trees for a cumulative total of over 25,000 trees.

The tree planting will be coordinated with long standing partners, Trees Ontario, the Nottawasaga Foundation, the Nottawasaga Valley Conservation Authority (NVCA), and the A.D. Latornell Conservation Symposium. This year, the Canadian Association of Physicians for the Environment (CAPE), through the generosity of Dr. John Howard, is also supporting our tree-planting initiative. Planting trees helps to offset carbon emissions as well as increase the forest cover, providing many additional benefits to the watershed and its residents. 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 as we all work together 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](http://www.latornell.ca).



## MARK YOUR CALENDAR FOR THE 2013 SYMPOSIUM

NOVEMBER 20, 21 AND 22, 2013

Nottawasaga Inn and Conference Centre  
Alliston, Ontario

# A better planet means a healthy environment for everyone

At the University of Guelph, the School of Environmental Design and Rural Development is building authentic communities where planners, leaders, communicators, designers, citizens and politicians play important roles in community strength. Through initiatives like the A.D. Latornell Conservation Symposium, the University of Guelph is building a better planet.



The BetterPlanet Project is a \$200-million campaign, inspiring breakthroughs that will improve quality of life for people around the world.

**The  
BetterPlanet  
Project**



Learn more at  
[www.thebetterplanetproject.ca](http://www.thebetterplanetproject.ca).

# Day 3 FRIDAY, NOVEMBER 16

## FRIDAY PROGRAM DETAILS 2012

### 7:00 AM - CONSERVATION BREAKFAST

» Available only until 7:30 AM

### 7:30 AM - KEYNOTE SPEAKER



#### PLANNING COMMUNITIES AS IF PEOPLE EAT

**Dr. Samina Raja** *Author, Building Healthy Communities*

Dr. Samina Raja is an Associate Professor of urban and regional planning and the Director of the Food Systems Planning and Healthy Communities Lab at the University at Buffalo, The State University of New York. Her research, teaching, and civic engagement focus on the role of urban planning and policy in building sustainable community food systems and healthy communities.

Her research, which is funded by the National Institute of Food and Agriculture and other national and local sponsors, is published in leading health and planning journals. She is the lead author of *"A Planners' Guide to Community and Regional Food Planning: Transforming Food Environments, Building Healthy Communities,"* published by the national American Planning Association. Raja served on a committee on Health Impact Assessment appointed by the National Academies to develop a framework, terminology, and guidance for conducting health impact assessments (HIA) in the United States. The resulting monograph, *Improving Health in the United States: The Role of Health Impact Assessment*, was published by the National Academies Press in 2011.

Dr. Raja is a member of the steering committee of the Food Interest Group (FIG) of the national American Planning Association (APA), which works to build the capacity of planners to engage in the food system. In Buffalo, Dr. Raja has worked with the Massachusetts Avenue Project, a local non-profit organization, to strengthen Buffalo's food system for about a decade. She serves on the Board of Grassroots Gardens, a non-profit organization committed to sustain community gardening in Buffalo.

Dr. Raja is a recipient of Western New York's 40 Under Forty Award (Class of '08) given for professional success and commitment to the community. Food systems and healthy community plans prepared in her graduate planning studios have received numerous local and national awards, including from the American Institute of Certified Planners (2005) and the New York Upstate Chapter of the American Planning Association (2010 and 2004).

Dr. Raja is passionate about Kashmiri cuisine, and enjoys martial arts training with her daughter, Hijab; both hold a second degree Black Belt in Tae Kwon Do.

#### PLANNING COMMUNITIES AS IF PEOPLE EAT

Activities aimed at increasing access to healthy and affordable food are burgeoning in the United States: urban farms, community gardens, mobile food trucks, school gardens, backyard gardens, edible landscapes, farmers' markets – community-led innovations – are transforming neighborhoods and cities from the ground up. Yet urban and regional planning, the profession that stakes a claim to building livable and healthy communities through planning and design, remains largely blind to the food-related needs of communities. This presentation explores the complex – and sometimes dark – role of contemporary planning practice in shaping community food systems in the United States. The presentation concludes by offering a call for action – at the individual and community level – to plan communities as if people eat.





## NOON TO 2:00 PM - LUNCHEON AND CLOSING PLENARY

### 12:30 PM - **YOUNG CONSERVATION PROFESSIONALS PROGRAM** **GRADUATION CEREMONY**

A total of 13 people will be graduating from the 2012 Young Conservation Professionals program (YCP) this year, marking the eighth year of the program. 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. The graduation ceremony for this popular program is hosted annually at the A.D. Latornell Conservation Symposium.

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, 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 the University of Guelph's and A.D. Latornell Endowment Fund. In addition, this program would not be possible without the time generously donated by many 'seasoned' conservation professionals who helped with advice and delivery of workshops.

For more information about the YCP or to apply for next year's program, contact Peter Mitchell at [mitchelp@uoguelph.ca](mailto:mitchelp@uoguelph.ca) or Sonia Dong at [soniadong@gmail.com](mailto:soniadong@gmail.com). You can also visit YCP online at [www.ycpleadership.ca](http://www.ycpleadership.ca)

#### **The 2012 YCP program graduates include:**

**KAREN ALEXANDER** *The Lake Huron Centre for Coastal Conservation*

**ALLISON HANDS** *Ontario Forestry Association*

**CASSANDRA STABLER** *Rural Lambton Stewardship Network*

**ALEXIS WOOD** *Toronto and Region Conservation Authority*

**MATTHEW MILLAR** *Conservation Ontario*

**ERIN BULLIS** *Toronto and Region Conservation Authority*

**ELIZABETH BERESTECKI** *Hamilton Conservation Authority*

**JENNIFER MCCARTER** *Nature Conservancy of Canada*

**KRISTIN NYBORG** *Nottawasaga Valley Conservation Authority*

**LAURA GIBSON** *Georgian Bay Land Trust*

**MIKE HALFERTY** *Ontario Forestry Association*

**SARA CHARTRAND** *Southern Region IM and Spatial Analysis Unit, MNR*

**SKEET SUTHERLAND** *Sticks and Stones Wilderness School*

# Day 3 FRIDAY, NOVEMBER 16

8:30 AM - 10:00 AM

Integrated Watershed Management	Water	Natural Heritage and Biodiversity
FLA	FIB	FIC
<p>Bringing the Lake Simcoe Protection Plan to Life: An Update on 3 years of Progress</p>	<p>Prioritizing Climate Change</p>	<p>Canary in a Coal Mine</p>
ROOM 15	ROOM 10	ROOM 5
<p>With the release of the Lake Simcoe Protection Plan in 2009, Provincial ministries and Lake Simcoe Region Conservation Authority have been actively implementing policies within the plan. This session will provide an update on implementation of the Lake Simcoe Plan and will include a municipal and community group perspective of progress and impacts.</p> <ul style="list-style-type: none"> <li>» Introduction to the Lake Simcoe Protection Plan <b>ELLEN SCHMARJE</b> (Ministry of the Environment)</li> <li>» Water Quality and Quantity: Accomplishments, Lessons Learned and Future Direction <b>DR. BEN LONGSTAFF</b> (Lake Simcoe Region Conservation Authority)</li> <li>» Shorelines, Natural Heritage and Invasive Species <b>ELIZABETH STANLEY</b> (Ministry of Natural Resources)</li> <li>» Municipal Perspective on Progress and Future Direction of Lake Simcoe Protection Plan <b>WENDY KEMP</b> (The Regional Municipality of York and Member of Lake Simcoe Coordinating Committee)</li> <li>» Community Perspective on Progress and Future Direction of Lake Simcoe Protection Plan <b>CLAIRE MALCOMSON</b> (Environmental Defence and Member of Lake Simcoe Coordinating Committee)</li> </ul>	<p>How do we adapt to climate change and reduce the vulnerability of natural and human systems? This session will recognize how communities across Ontario are under pressure to adapt to these climate change hazards, and are using existing knowledge and experience to develop locally-relevant and practical adaptation measures.</p> <ul style="list-style-type: none"> <li>» Mainstreaming Water Resource Adaptation to Climate Change in Ontario: The Role and Use of National Knowledge <b>HARRIS SWITZMAN</b> (Toronto and Region Conservation Authority)</li> <li>» Hamilton Conservation Authority's Climate Change Strategy - Building Watershed Resilience <b>HAZEL BRETON</b> (Hamilton Conservation Authority)</li> <li>» Peel's Climate Change Strategy- A Year and a Half into Implementation <b>SIMONE BANZ</b> (The Regional Municipality of Peel)</li> </ul>	<p>Birds are an integral part of our natural heritage systems. This session will explore causes of bird population decline and what this means to human health. Furthermore, stewardship, planning and public policy avenues to ensure on-going protection will also be discussed in this session.</p> <ul style="list-style-type: none"> <li>» Connecting Migratory Bird Populations Across Hemispheres <b>DR. KEVIN FRASER</b> (York University)</li> <li>» Biodiversity Should Be Biodistribution: Prescribing Birds, Landscape Character and Human Wellbeing <b>LIONEL NORMAND</b> (Toronto and Region Conservation Authority)</li> <li>» Birds of Bay Street <b>KELLY SNOW</b> (City of Toronto)</li> </ul>



Healthy by Nature	Inspiring Change – Stewardship, Outreach and Education	Resource Management Restoration and Rehabilitation	Tools of the Trade – Effective Communications
FID	FIE	FIF	FIC

Healthy Landscapes - Healthy People	Building on Our Strengths	Prescriptions for a Healthy Watershed: Restoring the Natural Infrastructure of Our Watersheds	Lessons Learned from a Creative and Budget-Wise Communications Project Around the Air Quality Index
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ROOM 4	ROOM 6	ROOM 18	ROOM 10A
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<p>Since community health and well-being are inextricably linked to the character of natural and green spaces in the landscape, planning for natural spaces and for public health must be better integrated. Join us to learn how human health is dependent on environmental health, and discover how managers are using this knowledge to guide the implementation of both their environmental and health programs at the local level.</p>	<p>If the cornerstone of stewardship is collaboration, then finding the right partners to work together is the foundation upon which effective programs stand, or fall. This session highlights three programs that demonstrate the positive results that can be achieved when commitment and cooperation come together.</p>	<p>This session will focus on the principles of watershed form and function; key elements to consider when determining the health of the watershed; its streams and corridors with examples of work being done to engage and train people; and projects that diagnose, prescribe and implement solutions.</p>	<p>This session focuses on the collaborative efforts by Environment Canada, Hamilton Public Health and a research firm who worked together on a communications project designed to encourage vulnerable people to become aware of, and use, the Air Quality Index developed by Environment Canada.</p>
<ul style="list-style-type: none"> <li>» <b>A Healthier Dose of Green</b> <b>ROB KEEN</b> (Trees Ontario)</li> <li>» <b>Landscape Character: The Foundation for Human Well Being</b> <b>NOAH GAETZ</b> (Toronto and Region Conservation)</li> <li>» <b>Healthy Forests, Healthy Communities</b> <b>BARB DAVIES</b> and <b>CAROL KARNER</b> (The Regional Municipality of York)</li> </ul>	<ul style="list-style-type: none"> <li>» <b>Small Steps, Big Gains: Success in Stewardship</b> <b>PAM LANCASTER</b> (Ganaraska Region Conservation Authority)</li> <li>» <b>Collaborative Farm Stewardship Project: Award Winning Pilot Program Achieves Positive Change</b> <b>PAT LEARMONTH</b> (Farms at Work)</li> <li>» <b>Linking Stewardship and Education: Partnering Student Teams with Conservation Organizations is a Win-Win for Solving Stewardship Issues</b> <b>SARA KELLY</b> and <b>SARAH WARNOCK</b> (School of Environmental and Natural Resource Sciences, Fleming College)</li> </ul>	<ul style="list-style-type: none"> <li>» <b>Diagnosing Blockages and problems with a Watershed's Natural Infrastructure</b> <b>SILVIA D'AMELIO</b> (Trout Unlimited Canada)</li> <li>» <b>Reconnecting the Kidneys of the Watershed – Role of Riparian and Floodplain Systems</b> <b>DR. JOHN FITZGIBBON</b> (University of Guelph)</li> <li>» <b>Providing the Knowledge and Tools to Watershed Communities: The Aquatic Renewal Training Program</b> <b>LARRY MELLORS</b> (Grand River Fisheries Implementation Committee)</li> <li>» <b>Reconnecting Spencer Creek to its Community (People, Aquatic and Terrestrial Life), Following Dam Decommissioning - A Presentation on the Crook's Hollow Dam Removal on Spencer Creek</b> <b>PATRICK RAGAZ</b> (Hamilton Conservation Authority)</li> </ul>	<p>The partners will present how to use a specialized audience segmentation tool and the communication and marketing lessons learned from this project.</p> <ul style="list-style-type: none"> <li>» <b>Making Segmented Marketing Work for Strategy and Execution</b> <b>SHARON JEFFERS</b> (Environment Canada), <b>RUPEN SEONI</b> (Environics Analytics) and <b>SALLY RADISIC</b> (City of Hamilton Public Health Services)</li> </ul>

# Day 3 FRIDAY, NOVEMBER 16

10:30 AM – 12:00 PM

Integrated Watershed Management	Water	Natural Heritage and Biodiversity
<i>F2A</i>	<i>F2B</i>	<i>F2C</i>
Tools to Make it Happen for the Health of Lake Simcoe	Monitoring the Health of Ontario's Water	Less Talk – More Herp Action!
<b>ROOM 15</b>	<b>ROOM 10</b>	<b>ROOM 5</b>
<p>An in-depth look at projects completed and tools used to turn around the health of Lake Simcoe.</p> <ul style="list-style-type: none"> <li>» <b>Watershed Planning to Promote Implementation: A Case Study From Rapidly Urbanizing Lake Simcoe Subwatersheds</b> <b>BILL THOMPSON</b> (Lake Simcoe Region Conservation Authority)</li> <li>» <b>Identifying Shoreline Best Management Practices for Restoration of Lake Simcoe</b> <b>EMILY FUNNELL</b> (Ministry of Natural Resources)</li> <li>» <b>Holland Marsh Nutrient Reduction Project</b> <b>DEANNA NÉMETH</b> (Ministry of Agriculture, Food and Rural Affairs)</li> <li>» <b>Modeling Phosphorus from New Development in Support of the Lake Simcoe Protection Plan</b> <b>NEIL HUTCHINSON</b> (Hutchinson Environmental Sciences Ltd. and Greenland International Consulting Ltd.)</li> </ul>	<p>Healthy water resources help ensure safe drinking water and resilient ecosystems. Advanced monitoring of water resources can help practitioners understand local watershed issues, direct actions where needed, and track progress over time. This session will explore programs that use advanced monitoring to assess the health of water resources.</p> <ul style="list-style-type: none"> <li>» <b>Cyanobacteria Monitoring Program on Lake Ramsey</b> <b>ANOOP NAIK</b> (Nickel District Conservation Authority)</li> <li>» <b>Tracing Fate of Treated Municipal Effluent Through <math>\delta^{15}\text{N}</math> Isotopic Analysis and Groundwater/Surface Water Interactions</b> <b>TAMMY KARST-RIDDOCH</b> (Hutchinson Environmental Sciences Ltd.)</li> <li>» <b>Ontario Stream Sediment Survey</b> <b>RICHARD DYER</b> (Ministry of Northern Development and Mines)</li> </ul>	<p>Herps of the province rejoice! Some biologists and their colleagues have taken a break from talking, report writing, and policy making to engage in on-the-ground action that is going to benefit turtles, snakes, salamanders, toads and other species at risk. Let's hope this move toward action catches on more widely!</p> <ul style="list-style-type: none"> <li>» <b>Conservation Action Planning in Action: Projects Benefitting Reptiles Across Carolinian Canada</b> <b>JARMO JALAVA</b> (Carolinian Canada Coalition)</li> <li>» <b>Why Did the Salamander Cross the Road?</b> <b>KIM BARRETT</b> (Conservation Halton)</li> <li>» <b>So Much To Do, So Little Time: Applying a Fowler's Toad Strategy to Stewardship</b> <b>ANNE YAGI</b> (Ministry of Natural Resources)</li> </ul>

## CONTINUE LEARNING AFTER THE SYMPOSIUM



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

We also provide links to Exhibitors' websites where you can find more information on their products and services. Visit [www.latornell.ca](http://www.latornell.ca)

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Healthy by Nature

Inspiring Change –  
Stewardship, Outreach  
and Education

Resource Management  
Restoration and  
Rehabilitation

Tools of the Trade –  
Effective  
Communications

F2D

F2E

F2F

F2G

Footprint on the  
Landscape: Traditional  
and Cultural Values in  
Today's Forest

Living on Earth as if We  
Want to Stay

Once Upon a Gravel  
Pit...

Communication  
Solutions that  
Contribute to Success  
with Your Audiences

ROOM 4

ROOM 6

ROOM 18

ROOM 10A

Through preservation, promotion and sharing of cultural traditions, values and knowledge, it is our goal to teach others about “Ginawaydaganuc” - how to live in harmony with the land with increased awareness of the earth's biodiversity. Traditional knowledge and methods have much to offer in providing solutions. Join us for this panel presentation and discussion as we explore what the forest has to offer; how we can apply yesterday's traditions and cultural values to identify and use forest resources today; and how to put these values into practice from a forest management perspective.

Panel Members:

- » **LARRY MCDERMOTT**  
(Plenty Canada)
- » **CHRIS CRAIG**  
(South Nation  
Conservation  
Authority)
- » **PAT PIITZ**  
(South Nation  
Conservation  
Authority)

This session offers insights into how societies evolve and, in particular, how we can stabilize human impacts, now that we have filled our planet. The challenge is to move beyond our current mindset to a more mature state that can offer fulfilling lives for future generations, without overwhelming natural areas. This thought provoking session discusses concepts for advancing the transformation toward sustainability.

- » **Living on Earth as if We Want to Stay**  
**MIKE NICKERSON**  
(Sustainability  
Project - 7th Generation  
Initiative)

How do rehabilitated aggregate sites interact with their surrounding environment? This session will identify rehabilitation techniques, trends and provide an update on rehabilitation in Ontario.

- » **Study of Aggregate Site Rehabilitation in Ontario: 1979-2009**  
**MICHAEL SCOTT**  
(Ontario Stone,  
Sand and Gravel  
Association)
- » **The Rehabilitation of Snyder's Flats**  
**VIRGINIA GORDON**  
(Grand River  
Conservation  
Authority)
- » **The Practical Challenges of Pit Rehabilitation**  
**GLENN HARRINGTON**  
(Harrington McAvan  
Ltd.)

Planning ahead, using strategic approaches and taking advantage of a wide variety of communication tools will have a big impact on how successful your communication efforts can be. Looking at various examples, this session explores how to target your audience, use the right tools and develop new approaches and strategies critical to ensure successful communications.

- » **Marketing the Environment – Are You Alienating Your Audience?**  
**AILEEN BARCLAY**  
(RMSi)
- » **Communicating Properly Can Build Support for the Tough Sell**  
**SOMMER CASGRAIN-ROBERTSON**  
(Mississippi-Rideau  
Source Protection  
Region)
- » **Building Public Confidence in Ontario's Tap Water**  
**BRENDA KORBEE**  
(Ministry of the  
Environment)

## EVALUATION FORM

Don't forget to fill out the Latornell Delegate Evaluation Form to enter our DRAW for a prize. The Evaluation Form can be filled out online (link available from the Latornell website) or from the Latornell mobile site.

# Day 3 FRIDAY, NOVEMBER 16

1:00 PM - KEYNOTE SPEAKER (VIA VIDEO CONFERENCE)



## LIVE SIMPLY SO THAT OTHERS CAN SIMPLY LIVE

**Ed Begley Jr.** *Environmentalist and Actor*

Born in 1949 in Los Angeles, California, Edward James Begley, Jr. joined an acting family. His father, Ed Begley, was an Academy Award-winning character actor. Upon his decision to follow his father into the business, Begley, Jr. first came to national prominence in the 1980's television series *St. Elsewhere*. For his role as Dr. Victor Ehrlich, Begley received six consecutive Emmy Award nominations. Feature film credits include *Batman Forever*, *The Accidental Tourist* and *The In-Laws*. Ed has directed several episodes of the hit show *NYPD Blue* as well as a play that he wrote called *Cesar and Ruben* that won a Nos Otros Award and four Valley Theater League Awards. In 2000, Begley became a member of the Board of Governors of the Academy of Motion Picture Arts and Sciences.

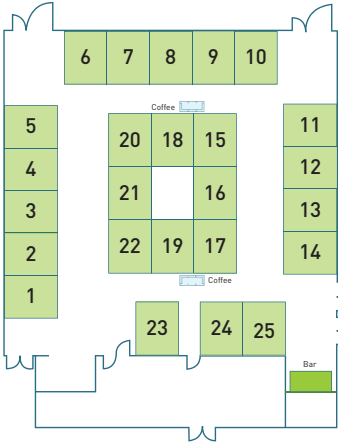
In addition to his acting career, Ed Begley, Jr. is a passionate supporter of the environment. He and his wife, Rachele Carson, live in a home near Los Angeles powered solely by the Sun. He has been a vegan for many years and created Begley's Best Household Cleaner. Often found on his bicycle or commuting by public transit, Begley stars, with his wife, on HGTV's *Living With Ed*. He has served as chairman of the Environmental Media Association, and the Santa Monica Mountains Conservancy as well as the Thoreau Institute, the Earth Communications Office, Tree People and Friends of the Earth. His work in the environmental community has earned him a number of awards from some of the most prestigious environmental groups in the nation, including the California League of Conservation Voters, the Natural Resources Defense Council, The Coalition for Clean Air, Heal the Bay and the Santa Monica Baykeeper.

## THIS YEAR'S EXHIBITORS

# THIS YEAR'S FLOORPLAN

## EXHIBITOR GALLERY A

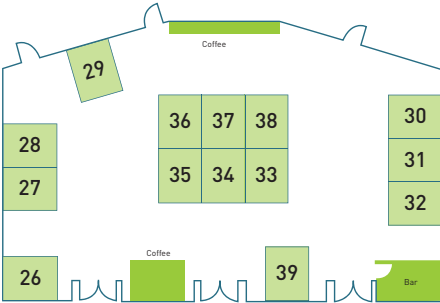
### Crystal Ball Room



1. Canadian Wildlife Federation and Centre for Sustainable Watersheds
2. Drainage Superintendents Association of Ontario
3. Ministry of Agriculture, Food and Rural Affairs
4. Ministry of Agriculture, Food and Rural Affairs
5. Ontario Soil and Crop Improvement Association
6. Water Resources Information Program (Ministry of Natural Resources)
7. Fisheries and Oceans Canada
8. Ministry of Natural Resources, Biodiversity Policy Section
9. Trees Ontario
10. Water's Edge
11. Environmental Commissioner of Ontario
12. Aquatic Informatics™ Inc.
13. Geomorphic Solutions
14. Hoskin Scientific Ltd.
15. Natural Resource Solutions Inc.
16. Hanson Pipe & Precast
17. Environment Canada
18. Ontario Geological Survey
19. Forest Technology Systems (FTS)
20. Ontario Geological Survey
21. Water Canada
22. Océ-Canada Inc.
23. Campbell Scientific Canada Corp.
24. KISTERS North America, Inc.
25. Lafarge

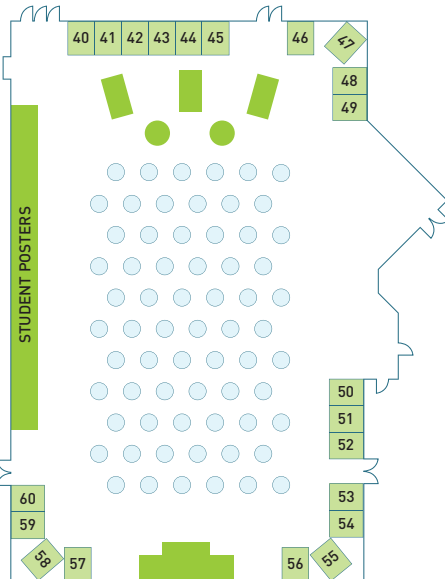
## EXHIBITOR GALLERY B

### Rooms 1-2-3



26. Conservation Ontario
27. Conservation Ontario
28. Conservation Ontario
29. XCG Consultants Ltd.
30. Hanna Instruments Canada Inc.
31. Cornerstone Standards Council
32. University of Guelph
33. Echelon Environmental
34. HydroG Resources Group
35. ClimateCHECK
36. Heron Instruments Inc.
37. Canadian Water Resources Association
38. Cole Engineering Group Ltd.
39. Clearpath Robotics

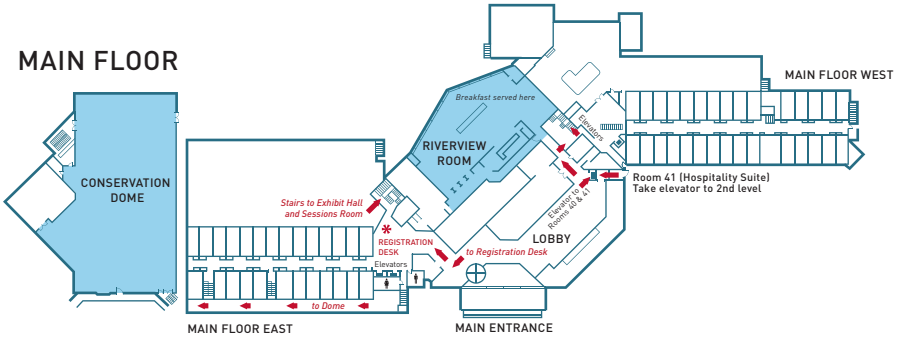
## CONSERVATION DOME



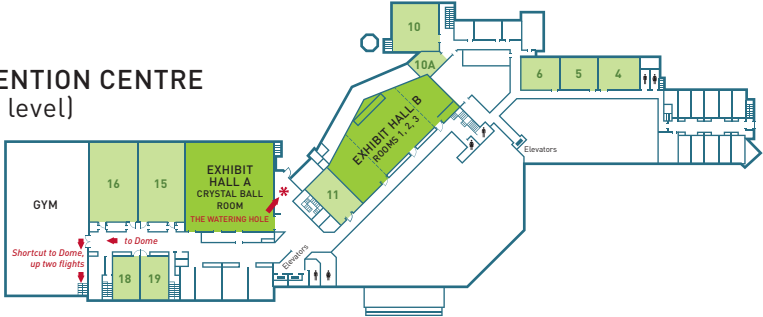
- 40.
- 41.
- 42.
- 43.
- 44.
- 45.
46. Cambium Environmental Inc.
47. Allset Inc.
48. WESA / MHBC
49. Enviro-Analytical
50. Proware Labs
- 51.
- 52.
53. Weather Innovations Incorporated
- 54.
55. Ducks Unlimited Canada
56. Conservation Ontario
57. Ministry of Natural Resources - Stewardship and Conservation Incentives
58. Verbinnen's Nursery Ltd.
- 59.
- 60.

# NOTTAWASAGA INN FLOORPLAN

## MAIN FLOOR



## CONVENTION CENTRE (lower level)



## SESSION INFORMATION

SESSION	ROOM	MODERATOR	SESSION	ROOM	MODERATOR	SESSION	ROOM	MODERATOR
W1A	15	Richard Chen	T1A	15	Bill Trenouth	F1A	15	Angela Saunders
W1B	10A	Michelle DiLeo	T1B	10	Lisa Van Waterschoot	F1B	10	Michelle DiLeo
W1C	10	Angela Saunders	T1C	16	Kate Procter	F1C	5	Michelle Berquist
W1D	16	Kira Cooper	T1D	5	Lyn Garrah	F1D	4	Rebecca Ransome
W1E	4	Kate Procter	T1E	4	Shishir Handa	F1E	6	Lisa Van Waterschoot
W1F	5	Shishir Handa	T1F	10A	Spencer Bain	F1F	18	Lyn Garrah
W1G	6	Lyn Garrah	T1G	6	Nicholas Buncic	F1G	10A	Kate Procter
W2A	15	Bill Trenouth	T2A	15	Shishir Handa	F2A	15	Angela Saunders
W2B	10A	Michelle Bequist	T2B	10	Angela Saunders	F2B	10	Richard Chen
W2C	10	Nicholas Buncic	T2C	16	Michelle DiLeo	F2C	5	Michelle DiLeo
W2D	16	Rebecca Ransome	T2D	5	Kira Cooper	F2D	4	Kira Cooper
W2E	4	Spencer Bain	T2E	4	Rebecca Ransome	F2E	6	Spencer Bain
W2F	5	Angela Saunders (with Gord Miller)	T2F	10A	Lyn Garrah	F2F	18	Michelle Berquist
W2G	6	Lisa Van Waterschoot	T2G	6	Ricahrd Chen	F2G	10A	Bill Trenouth
			T3A	15	Kate Procter			
			T3B	5	Shishir Handa			
			T3C	16	Lyn Garrah			
			T3D	10	Spencer Bain			
			T3E	4	Nicholas Buncic			
			T3F	10A	Kira Cooper			
			T3G	6	Richard Chen			