

2006
PROGRAM

Creating a Climate for Change

A.D. LATORNELL
CONSERVATION SYMPOSIUM
November 15, 16, 17

CONFERENCE MANAGEMENT

CHAIR Richard Hunter, Otonabee Conservation Authority

PAST-CHAIR Chris Hachey, Grey Sauble Conservation Authority

SYMPOSIUM COORDINATOR Pierre Paquette, Allset Inc.

SECRETARY Stephanie Morton, University of Guelph

REGISTRAR Teresa Cole

HOTEL & FACILITIES COORDINATOR Barbara Mackenzie-Wynia, Ontario Nature

STEERING COMMITTEE

Andrea McLeod, City of Mississauga and Representative of the Association of Municipalities of Ontario

Jane Lewington, Conservation Ontario

Don Pearson, Conservation Ontario

Ron Scott, Dream Auction Coordinator

Clare Mitchell, Ducks Unlimited Canada

Merebeth Switzer, Ducks Unlimited Canada

John Ferguson, McMaster University

Stewart Hilts, University of Guelph

Janet Jardine, Fisheries and Oceans Canada

Kathy Menyes, Hamilton Region Conservation Authority

Mary Stack, Niagara Peninsula Conservation Authority

Kim Gavine, Oak Ridges Moraine Foundation

Tara Borwick, Ontario Federation of Anglers and Hunters

Francine MacDonald, Ontario Federation of Anglers and Hunters

Tony Buszynski, Ontario Heritage Trust

Hugh Simpson, Ministry of Agriculture, Food and Rural Affairs

Paul Smith, Ministry of Agriculture, Food and Rural Affairs

Chris Lemieux, Ministry of Natural Resources, Natural Spaces Program

Carole Seysmith, Ontario Stewardship, Ministry of Natural Resources

John Lackey, Soil and Water Conservation Society

Peter Mitchell, University of Guelph

Jennifer Howley, Upper Thaines River Conservation Authority

Barbara Veale, Grand River Conservation Authority

John Cottrill, Ministry of Natural Resources

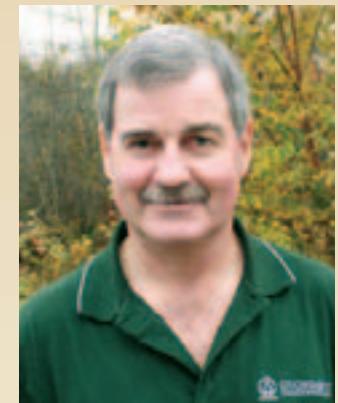
Steve Wilkins, Ontario Stewardship, Ministry of Natural Resources

WELCOME

CHAIR'S MESSAGE

I would like to personally welcome each of you to the 13th annual A.D. Latornell Conservation Symposium. We have a very interesting and stimulating program laid out for you over the next three days so sit back, buckle up and enjoy the ride.

Arthur D Latornell was a mentor and friend who had a significant influence on my life and career as he did many others. It is a privilege and a pleasure to Chair this annual event that carries on Art's concern for the natural environment and his ongoing commitment to connect conservationists – young and old alike!



Dick Hunter, Chair

Art had strong connections to Conservation Authorities and the University of Guelph which are recognized through the involvement of Conservation Ontario and the Centre for Land and Water Stewardship. There are several sponsoring organizations involved in this conference and thanks goes to the Ontario Government, Fisheries and Oceans Canada, Agriculture & Agri-Food Canada, Telus, Ducks Unlimited and the Ontario Heritage Trust. I also want to thank the Steering Committee members representing so many organizations for their tireless volunteer effort that make this event happen year after year.

Our world is constantly evolving and changing. The impact we are now having on our climate and our landscape, however, are so significant that everyone needs to sit up and pay attention. I recently had the opportunity to view the documentary "An Inconvenient Truth" which chronicles Al Gore's efforts to raise awareness of climate change. He notes that while some folks still deny it's happening others have simply gone right into the despair mode. With the Latornell Symposium we are going to find a place between those two extremes.

We have developed various streams under our theme of "Creating a Climate for Change". These will provide you with factual information and current science on this topic, as well as practical applications that each of you can use to effect change on your own or in those around you. This is truly one of those situations where acting locally can make a difference globally! As "An Inconvenient Truth" shows, all is not hopeless. We can reduce our CO₂ contributions and lessen the effects of climate change. So ask some tough questions, while you are here then go back home and share your knowledge so we can all make a difference!

Dick Hunter, Chair

13th Annual A.D. Latornell Symposium Steering Committee

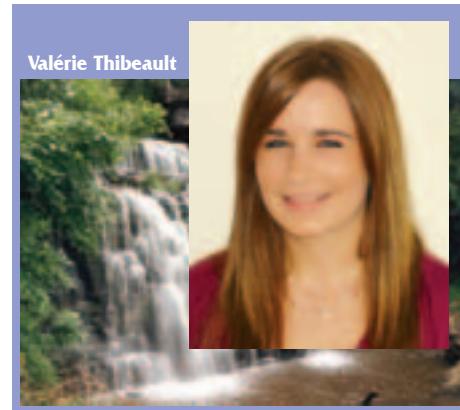


AWARD OF MERIT

A.D. LATORNELL

Every year the Ontario Chapter of the Soil and Water Conservation Society (SWCS) invites applications from post-secondary students and practicing professionals in the field of resource management to be considered for the A.D. Latornell Award of Merit. The annual awards of \$600 are funded through a permanent endowment fund from the estate of Arthur Latornell. The successful applicant or applicants are selected by a volunteer committee and the award is presented at the A.D. Latornell Conservation Symposium.

The recipient of the 2006 Arthur D. Latornell Award of Merit from Soil and Water Conservation Society, Ontario is Valérie Thibeault. Valérie is attending her first year at the University of Ottawa studying biopharmaceuticals. She recently entered a regional science fair project on climate change where she was awarded a Gold Medal and bursary for an Outstanding Project.



Valérie is a resident of northern Ontario. She also enjoys curling and playing ringette at the Provincial level and volunteers with the Muscular Dystrophy Association raising money for research.

There were no applications in the non-student category this year.

YOUNG CONSERVATION PROFESSIONALS GRADUATION

At the 2004 A.D. Latornell Conservation Symposium, the Centre for Land and Water Stewardship, University of Guelph, announced the Young Conservation Professionals Career Development Initiative (YCP-CDI). With the goal of nurturing management and leadership capabilities among young professionals in land and water stewardship and conservation, the YCP-CDI involved emerging conservation leaders in experiential learning and training opportunities throughout 2005 and now 2006.

The first year's program was a great success, and year two has been equally outstanding. Here are the 2006 YCP-CDI program participants:

Karyn Cornfield – Mississippi-Rideau (Conservation Authorities) Source Water Protection

Jessica Paterson – ARDEA Research & Consulting

Barbara King – EcoScapes

Nancy Aspden – Kawartha Conservation Authority

Greg Bray – Nottawasaga Valley Conservation Authority

Brenda Van Sleewen – Haliburton Highlands Trust, Ministry of Natural Resources

Christine Villegas – Ministry of Natural Resources

Pauline Quesnelle – Credit Valley Conservation Authority

Dave Craig – Toronto & Region Conservation Authority

Twyla Douaire – Ministry of Natural Resources

Joyce Chau – Citizen's Environment Watch

Alex Phillips – Toronto & Region Conservation Authority

Andrew Kett – Citizen's Environment Watch

Jennifer Duggan – Consultant, Elora Centre for Environmental Excellence and Ignatius Old Growth Forest Project

Kelly Krauter – Evergreen

Jessika Corkum – Eco-Source Evergreen Partnership

Josh Van Wieren – St. Lawrence Islands National Park, Parks Canada Agency

Jamieson Dyer – Warsaw Caves

Katherine Grechuta – Centre for Land & Water Stewardship, University of Guelph

We are very grateful for the support of Conservation Ontario, the Latornell Fund, the Richard Ivey Foundation and the Sustainability Network. In addition, the second year of this program would not have been possible without the time generously donated by many conservation professionals who helped with advice and the delivery of workshops.

For more information about the YCP-CDI, contact Peter Mitchell, Centre for Land and Water Stewardship, University of Guelph by phone at 519-824-4120 ext. 58329, or e-mail claws@uoguelph.ca.

1993-2006

A.D. LATORNELL CONSERVATION SYMPOSIUM

The A.D. Latornell Conservation Symposium is one of Ontario's largest annual conferences focusing on environmental and conservation issues. Attracting over 1000 people over a three-day period, it has become a vibrant gathering of conservation professionals from government and non-government organizations alike. It is the single best place to hear up-to-date presentations on current conservation issues facing Ontario.

The Symposium has been co-hosted from its inception by Conservation Ontario and the Centre for Land and Water Stewardship at the University of Guelph.

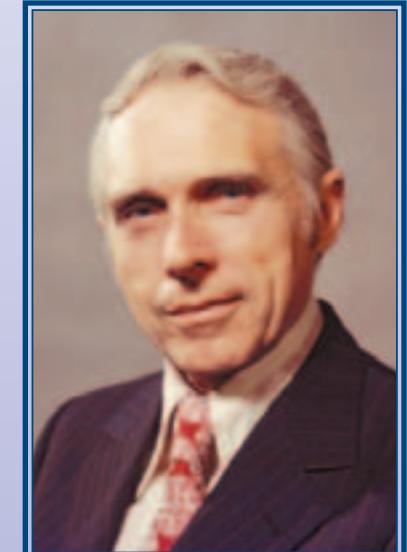
Each year, the Symposium is provided with a generous donation from the A.D. Latornell Endowment Fund at the University of Guelph.

This Symposium is held in the memory of Arthur Douglas Latornell, a leading conservationist, who was dedicated to the grassroots conservation movement in Southern Ontario. He was a strong mentor to young people who were interested in the field of conservation and he was an important promoter of Conservation Authorities across Ontario.

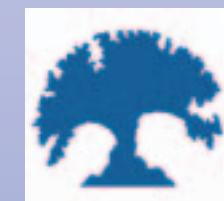


**Conservation
ONTARIO**
Natural Champions

**UNIVERSITY
of GUELPH**



Arthur D. Latornell



PROGRAM AT A GLANCE

Creating a Climate for Change

DAY 1

WEDNESDAY, NOVEMBER 15, 2006

8:00 am - 10:00 am

Registration

10:00 am - 12:00 noon

OPENING PLENARY SESSION

Welcoming remarks by Don Pearson, Conservation Ontario and Stewart Hilts, University of Guelph
Greetings by Fred Nix, Chair, Nottawasaga Valley Conservation Authority

Keynote Speakers

David Pearson, Laurentian University
Joseph Heath, Author of 'Rebel Sell'
Lori Stahlbrand, Author of 'Local Flavor Plus'

12:00 noon - 2:00 pm

Lunch & Keynote Speaker

Bob Williard, Author of 'The Sustainability Advantage'

2:00 pm - 3:30 pm

CONCURRENT SESSIONS

W1A Climate Change and the Great Lakes
W1B Working Together: Effective Consultation for Source Protection Planning
W1C Invasive Species
W1D Sustainability for Change
W1E National and Provincial Stewardship Trends
W1F Managing Ontario's Forests Under Climate Change
W1G Communicating our Environmental Challenge: Climate Change

4:00 pm - 5:30 pm

CONCURRENT SESSIONS

W2A Climate Change & Intense Storms - Emergency Response and Long Range Planning
W2B Working Together: Effective Research for Water Protection
W2C Endangered Species
W2D The Challenge of Growth
W2E The Agricultural Policy Framework and Beyond
W2F Forest Management at the Community Level
Language of Sustainability

5:30 pm - 7:00 pm

Wine & Cheese Event - Exhibit Hall Grand Opening

7:00 pm - 9:00 pm

Harvest Banquet

Soil & Water Conservation Society Award of Merit Presentation
Special Graduation of Young Conservation Professionals Program 2006

Keynote Speaker:

Sheila Watt-Cloutier, Inuit Circumpolar Conference

DAY 2

THURSDAY, NOVEMBER 16, 2006

8:00 am - 10:00 am

Registration

8:30 am - 10:00 am

CONCURRENT SESSIONS

T1A In Search of Integrated Watershed Management
T1B Start at the Beginning - Watershed Characterization
T1C Climate Change Impacts on Biodiversity and Ecological Function - A Global Perspective
T1D Applying Sustainability Concepts
T1E Surveys Says - Farmers & Landowners: Who Are We? What Do We Want?
T1F Innovations in Fisheries Management: Fisheries Renewal
T1G Developing Effective Strategies to Reach Decision-Makers
T1H Revenue Generation

10:30 am - 12 noon

CONCURRENT SESSIONS

T2A Watershed Planning, Management and Adaptation
T2B Water Budget Activities in Support of Source Protection Planning
T2C Climate Change Impacts on Biodiversity and Ecological Function - A Local Perspective
T2D Infrastructure Management and Sustainability - Making It Work
T2E Real Life Experiences: Farmers, Landowners and Their Land
T2F Implications of Climate Change for Fisheries of Ontario and the Great Lakes Basin
T2G Understanding Rural Values In Order to Reach Rural Audiences
T2H The Power of Partnerships

12:00 noon

Address by The Honourable Laurel Broten, Ontario Minister of the Environment

12:30 pm - 1:45 pm

Pioneer Luncheon

Special annual recognition to individuals for their longtime commitment to conservation

2:00 pm - 3:30 pm

CONCURRENT SESSIONS

T3A Key Concepts in Ontario Hydrology
T3B Moving Collaboration Initiatives Forward: Panel Discussion
T3C Natural Heritage Planning and Management
T3D Environmentalism Where is Nature? Going Wild About Cities
T3E Rural Ontario's Future: A Panel Discussion on Rural Grievances, Causes & Solutions
T3F Adapting to Altered Directives
T3G Building A Case for Sustainable Education in Ontario
T3H Reducing Our Impact

4:00 pm - 5:30 pm

Student Poster Display & Competition

4:00 pm - 7:00 pm

Dream Auction - Live Auction with Auctioneer Don McKay and Host, Auction Coordinator, Ron Scott

6:30 pm - 9:30 pm

Gala Banquet & Entertainment (Comedian, Johnny Bagpipes Johnston)

DAY 3

FRIDAY, NOVEMBER 17, 2006

8:00 am - 10:00 am

Registration

7:00 am - 8:00 am

Conservation Breakfast

Keynote Speaker:

Johanne Gélinas, Commissioner of the Environment and Sustainable Development for Canada

8:30 am - 10:00 am

CONCURRENT SESSIONS

F1A Recent Advances in Conservation Authorities' Traditional Monitoring Programs
F1B Agricultural Tile Drainage Part 1
F1C Ecological Goods and Services
F1D Sustainable Transportation
F1E Best Management Practices: The Next Generation
F1F The Business of Conservation Authorities as it Relates to Information Technology
F1G Innovation in Education

10:30 am - 12 noon

CONCURRENT SESSIONS

F2A Recent Advances in Conservation Authorities' Benthic Monitoring Programs
F2B Agricultural Tile Drainage Part 2
F2C Land Securement
F2D Energy - Where Are We Going on Capacity and Consumption ?
F2E North, South, East, West: Stewardship's Direction
F2F Technology Solving Business Problems
F2G Multicultural Diversity and Environmental Education

12:00 noon - 1:30 pm

Lunch

Keynote Speaker:

David Phillips, Environment Canada

DREAM AUCTION



The A.D. Latornell Symposium Steering Committee will be sponsoring the annual Dream Auction during the Banquet Dinner. The items will be ready for viewing and silent bidding as of 4 pm on Thursday, November 16, 2006 in the Conservation Dome. This event is a wonderful way to support the fundraising efforts for the A.D. Latornell Grant which provides funds to assist students, non-for-profit organizations and volunteers in attending the Symposium.

There are many ways to get involved in the Dream Auction and it's never too early or too late. Whether it is setting aside your own quality items for donation, soliciting donations from others, sponsoring or seeking sponsors, or bidding, bidding higher and buying, we appreciate your efforts.

Come and join the fun!

GRANT

A.D. LATORNELL

The A.D. Latornell Conservation Symposium Grant was established in memory of Arthur Latornell to provide support for deserving students and active members of the conservation community so that they may attend the annual Symposium. The funds are raised at the previous year's Symposium Dream Auction. The aim of the Grant is to award successful applicants with the funds to cover registration and accommodations for the Symposium.

Any individual registered in a Canadian university or college, or affiliated with non-government/community organization is eligible to apply. This year, 15 recipients were awarded funds to attend the Symposium.

Funds for the grants are made available through the fundraising efforts of the Dream Auction held annually at the Symposium.

Organizations and individuals may also provide donations to this fund by contacting:

Conservation Ontario
P.O. Box 11, 120 Bayview Parkway
Newmarket, ON L3Y 4W3
Tel.: (905) 895-0716
Fax: (905) 895-0751
E-mail: info@conservation-ontario.on.ca

2006 PROGRAM DETAILS

DAY 1, WEDNESDAY, NOVEMBER 15

10:00 - WELCOME AND INTRODUCTIONS (CONSERVATION DOME)

Richard (Dick) Hunter, Chair, A.D. Latornell Conservation Symposium (Master of Ceremonies)

Richard (Dick) Hibma, Chair, Conservation Ontario

Stewart Hilts, Associate Dean of Environmental Sciences, University of Guelph

Greetings by Fred Nix, Chair, Nottawasaga Valley Conservation Authority

10:30 - 12:00 PM PLENARY SESSION/KEYNOTE SPEAKERS



David Pearson
Laurentian University

More Than Warming

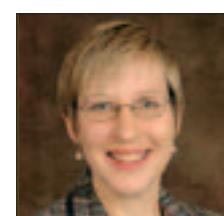
Science has given us all the evidence we need to foresee disruption of the major natural systems on the planet, especially climate. Business as usual is not an option.



Joseph Heath
Author of 'Rebel Sell'

Ethical Economic Approaches to Pollution

Two approaches to the question of pollution are considered: the first, a moralizing approach, focusing upon regulatory prohibition, and the second, an economic approach, focusing upon "true cost" pricing. Neither is entirely satisfactory, and so a plea for a hybrid approach will be presented.



Lori Stahlbrand
Author of 'Local Flavour Plus'

Going the distance so our food doesn't have to: the Local Flavour Plus approach.

Climate Change and the food we eat are integrally connected. Find out how a local sustainable food system can help to minimize this connection while revitalizing rural economies.

2:00 - 2:00 PM LUNCHEON KEYNOTE SPEAKER



Bob Willard
Author of the *Sustainability Advantage* and *The Next Sustainability Wave*
The Sustainability Business Case: Turning Green Into Gold
Businesses are under increasing pressure from customers, investors, employees, legislators, banks, and insurance companies to embrace social and environmental responsibility. This presentation will show the benefits of proactively capturing opportunities and avoiding risks associated with sustainability issues.

WATERSHED MANAGEMENT	WATER	NATURAL HERITAGE	SUSTAINABLE PLANNING	STEWARDSHIP	RESOURCE MANAGEMENT (FORESTRY)	ENVIRONMENTAL EDUCATION & COMM.
WIA ROOM 15	WIB ROOM 16	WIC ROOM 10	WID ROOM 4	WIE ROOM 10A	WIF ROOM 6	WIG ROOM 5
CLIMATE CHANGE AND THE GREAT LAKES MODERATOR: JILLIAN SMITH	WORKING TOGETHER: EFFECTIVE CONSULTATION FOR SOURCE PROTECTION PLANNING MODERATOR: MEREDITH WALKER	INVASIVE SPECIES MODERATOR: TREMAYNE STATION-KENNEDY	SUSTAINABILITY FOR CHANGE MODERATOR: IRV MARUCEL	NATIONAL AND PROVINCIAL STEWARDSHIP TRENDS MODERATOR: JILLAYNE PEERS	MANAGING ONTARIO'S FORESTS UNDER CLIMATE CHANGE MODERATOR: BRENDA VAN SLEEWEN	COMMUNICATING OUR ENVIRONMENTAL CHALLENGE: CLIMATE CHANGE MODERATOR: DAVID MORRIS
The Great Lakes Basin is managed by two significant international agreements - the Great Lakes Charter and the Great Lakes Water Quality Agreement. Climate change, federal, state, provincial and local issues and actions affect both water quality and water quantity in these international waters. This session will present research, issues, facts and views on the future management of the Great Lakes ecosystems.	Effective locally-driven decision-making comes about as a result of meaningful and collaborative consultation with a range of stakeholders. This session will look at new research around consultation best practices as well as delve into some of the concerns and needs of specific stakeholders who will help to ensure a transparent source protection planning consultation process.	Species invasions are an increasing threat to the biodiversity of Ontario's forested and aquatic ecosystems which is exacerbated by other stressors such as climate change, land use practices, etc. This session will focus on opportunities and innovative solutions for prevention, management and control of invasive species.	Sustainability is primarily an ethical concept about valuing and protecting the interests of present and future generations. Yet, there is growing recognition that the pursuit of prosperity (economic wealth) may be in conflict with protecting posterity (present and future generations) and ecological health. What is the relationship between economic wealth and sustainability? How can things change so as to unite economic and ecological goals? This session explores the challenge of changing human behaviour and the fulcrums for motivating it.	Collaboration among community-based organizations helps to enhance knowledge and capacity, reduce duplication and maximize results. This session will highlight some of the ways in which organizations involved in community stewardship at the national, provincial and local levels are working together to share their expertise and resources in a way that will meet the needs of landowners and help reach our collective stewardship goals.	As scientists improve predictive models to help us understand the potential impacts of climate change on our forests, it is important that forest managers incorporate this information into future landscape-level plans to ensure the long term health and biodiversity of our changing forests. This session will offer insight into how such modelling is taking place and ways in which forest and species management activities are adapting to these predictions.	Communicating about Climate Change is a challenge because of the different opinions about this issue. This session will look at some of the communication and education challenges faced by different organizations when discussing a moving target such as Climate Change.
Changes in Rainfall Regimes - Implications for Water Quality Jim Bruce, Soil and Water Conservation Society	Assessing Collaborative and Integrated Water Management in the Maitland River Watershed Cecilia Ferreyra, University of Guelph	Implications of Climate Change on Invasions in Forested Ecosystems and Management Strategies Dawn Bazely, York University	National Conference in Newfoundland, Results/Outcomes Owen Williams, Ministry of Natural Resources	Models to help assess and mitigate climate change impacts on Ontario's forests Dan McKenney, Great Lakes Forestry Centre	Challenges to Communicating about Climate Change Don Haley, Toronto and Region Conservation Authority	Lessons Learned About Engaging Target Audiences Around Climate Change Jennifer Penney, Clean Air Partnership
Great Watersheds, Great Lakes Gail Krantzberg, McMaster University	Building Partnerships for Source Protection Planning Keith Sherman, Severn Sound Environmental Association	Development of Rapid Response Plans to Species Invasions: The Pefferlaw Brook Round Goby Eradication Project Jason Borwick, Ministry of Natural Resources	Heeding the Aboriginal Spirit William Woodworth, Six Nations	Update on Stewardship Network of Ontario Wayne Roberts, City of Toronto	Managing Forests under Climate Change - The need to practice sustainable forestry Steve Wilkins, Ministry of Natural Resources/Ontario Stewardship	Tips and Tricks from a Climate Change Evangelist Jennifer Duggan, Climate Change Connection
Great Lakes Charter - Update Rob Messervey, Ministry of Natural Resources	National Lands and Water Information System Julie Leese, Agriculture and Agri-Food Canada		Accounting Natural Capital: Water As An Example Ed Hanna, DSS Management Consultants Inc.	Rural Landowner Stewardship Initiative Doug van Hemessen, Wetland Habitat Fund	Restoring Forests Under Climate Change - From species selection to seed source Barb Boysen, Forest Gene Conservation Association	
				Nature Count\$ Amy Handyside, Ministry of Natural Resources		

WATERSHED MANAGEMENT	WATER	NATURAL HERITAGE	SUSTAINABLE PLANNING	STEWARDSHIP	RESOURCE MANAGEMENT (FORESTRY)	ENVIRONMENTAL EDUCATION & COMM.
W2A ROOM 15	W2B ROOM 16	W2C ROOM 10	W2D ROOM 4	W2E ROOM 10A	W2F ROOM 6	W2G ROOM 5
CLIMATE CHANGE & INTENSE STORMS - EMERGENCY RESPONSE AND LONG RANGE PLANNING MODERATOR: CHRIS GIBB	WORKING TOGETHER: EFFECTIVE RESEARCH FOR WATER PROTECTION MODERATOR: KIRSTEN PINKERTON	ENDANGERED SPECIES MODERATOR: LEE-ANN MILBURN	THE CHALLENGE OF GROWTH MODERATOR: IRV MARUCEL	THE AGRICULTURAL POLICY FRAMEWORK AND BEYOND MODERATOR: HIDA MANNS	FOREST MANAGEMENT AT THE COMMUNITY LEVEL MODERATOR: RICHARD GRZESIK	LANGUAGE OF SUSTAINABILITY MODERATOR: DAVID MORRIS
Changes in atmospheric conditions have resulted in some extreme weather conditions across Canada. In Ontario, these changes have resulted in more frequent and intense storm events. Through the presentation of national research and case studies, this session will examine future climate change trends, our ability to adapt to new public safety expectations, as well as the implications to aging public infrastructure and emergency response.	Conducting research to understand underlying processes and risk factors is a critical part of developing robust agri-environmental regulation, policy and programs. Hear three perspectives on initiatives concerning nutrient management science and research in Ontario, and beyond.	Because of unique southern Ontario habitats and our large population, Ontario is an area with the greatest number of endangered species in the country. Learn more about the forthcoming changes to the provincial laws that will strengthen species at risk and their habitats and hear about the work taking place at the Federal level.	In June 2006, the Ontario Government released its growth plan for the Greater Golden Horseshoe "Places to Grow". The plan calls for a major shift in the way we plan and manage our activities and provides a set of policies intended to mitigate sprawl by enhancing infrastructure, integrating and improving transit systems, protecting natural resources and strengthening local government. This session explores the challenges and opportunities associated with implementing this plan.	The 2005 launch of the Federal-Provincial Agricultural Policy Framework offers a strategy to build prosperity within the agricultural sector while achieving environmental and other goals. One of the five elements of the strategy is the environmental component which aims to position Canada as a world leader in environmentally responsible agricultural production. This resulted in enhanced programs and support for agricultural beneficial management practices and stewardship, such as the renewed Environmental Farm Plan Program, Greencover and others. This session will outline on-the-ground progress to date and discuss the process to review these programs for a possible next generation of programming.	As we work towards understanding the future impacts of climate change on our forests, we must also engage communities in programs that raise awareness of the economic and social values of forests and ensure support for future management and sustainability efforts. This session offers rural, urban and agricultural perspectives on the value of forests and unique examples of how communities are working to engage citizens in sustainable forest management activities.	One of the challenges for communicators today is making sure that your messaging is relevant to targeted stakeholders. There are terms, approaches and perspectives that are more effective and this session will provide some suggestions for communication and education staff to consider when crafting their messages.
Meeting Taxpayers Expectations - Knowledge and Technology Joan Klaassen, Environment Canada	Nutrient Management Science and Research Introduction Pamela Joosse, Ministry of Agriculture, Food and Rural Affairs	A New Era for Endangered Species Legislation Debbie Ramsay, Ministry of Natural Resources	Recovery of Aquatic Species at Risk in Ontario Shawn Staton, Fisheries and Oceans Canada	The Politics of Experience Lynn Morrow, Novae Res Urbis	Renfrew County Forest Stewardship Discussion Paper Mitch Baldwin, Renfrew County Stewardship Council	How to Get Your Message Across Paul Bueblis, Sustainability Network
Climate Change and Flooding - The Strategic Approach of the City of Hamilton Mary Lou Tanner, City of Hamilton	Academic Perspective Ivan O'Halloran, Ridgeway College, University of Guelph		Assessing Ontario's Progress on Building Sustainable Urban Communities Mark Winfield, Pembina Institute	Progress on Environmental Farm Plan and On-Farm Action Andrew Graham, Ontario Soil and Crop Improvement Association and Paul Smith, Ministry of Agriculture, Food and Rural Affairs	Wellington County Green Legacy Program and Tree Nursery Mark Van Patter and Rob Johnson, Wellington County	Climate Change Solution: Advice from Sustainability Experts Aysa September, Globescan Inc.
City of Peterborough - Emergency Response Adaptation Christina Riley, City of Peterborough	Federal Perspective David Lapan, Agriculture Agri-Food Canada		Agri-Environmental Programs - A Federal Perspective Maxine Kingston, Agriculture & Agri-Food Canada	Woodlot Management Revenues Compared to Traditional Cash Crops - Case Studies Show Greater Profits from Timber Steve Bowers, Huron Stewardship Council and Terry Schwan, Ministry of Natural Resources		
			Agriculture and Watershed Stewardship Jo-Anne Rzadki, Conservation Ontario			

5:30 - 7:00 PM

Wine & Cheese

Exhibitor's Gallery

THANK YOU TO OUR SPEAKERS!

Each year, a charitable donation is made by the A.D. Latornell Conservation Symposium on behalf of the many speakers who enrich our program. The donation is made to a non-profit or charitable organization that reflects the theme and values of the Symposium.

This year, to celebrate our 13th annual Symposium, we are pleased to make the donation to Green Cross Canada whose mandate is to deal with environmental emergencies or potential catastrophes as a result of conflicts.

There are several elements to this program, from post-conflict environmental clean-up to conflict resolution around shared natural resources, especially fresh water.

Green Cross International was formed in 1993 as a follow-up to the needs and problems identified at the Rio Earth Summit a year earlier. As its name implies, the vision for Green Cross is to become an "environmental Red Cross" - to do for the environment what the Red Cross does for humanitarian issues. Recognizing the important role that Green Cross plays internationally, and its potential to address major global environmental problems, a Canadian affiliate of Green Cross International was created in 2006. Green Cross Canada will address major environmental issues requiring coordinated international action, and in the prevention, mitigation and rehabilitation of potentially catastrophic environmental events, international and domestic. Its main activities will be focused around Consequences of Conflicts and Consequences of Disasters.

Green Cross Canada will be actively involved in the Green Cross International Legacy of the Cold War program and it will initiate a new program to reduce the effect of catastrophic events (hurricanes, tsunamis, forest fires, oil spills, and industrial accidents) through prevention, early intervention and rehabilitation.

For more information on Green Cross International go to
www.gci.ch

7:00 - 9:00 PM

Harvest Dinner

Conservation Dome

8:00 PM

Graduation Ceremony

Young Conservation Professionals Program

presented by the University of Guelph

8:15 PM

A.D. Latornell Award of Merit

presented by Soil and Water Conservation Society



8:30 PM

Keynote Guest Speaker:

Sheila Watt-Cloutier

Past Chair of the Inuit Circumpolar Conference (ICC)

**Inuit and Climate Change:
Climate Change as a Human Rights Issue**

9:00 PM - 12:00 AM

Hospitality Suite

Rooms 1-2-3

WATERSHED MANAGEMENT	WATER	NATURAL HERITAGE	SUSTAINABLE PLANNING	STEWARDSHIP	RESOURCE MANAGEMENT (FISHERIES)	ENVIRONMENTAL EDUCATION & COMM.	PARKS EXPO
TIA ROOM 15	TIB ROOM 16	TIC ROOM 10	TID ROOM 4	TIE ROOM 10A	TIF ROOM 6	TIG ROOM 5	TIH ROOM 1-2-3 FIESTA
IN SEARCH OF INTEGRATED WATERSHED MANAGEMENT MODERATOR: ERIC ACS	START AT THE BEGINNING - USING WATERSHED CHARACTERIZATION FOR SOURCE PROTECTION PLANNING IN ONTARIO WATERSHEDS MODERATOR: JILLIAN SMITH	CLIMATE CHANGE IMPACTS ON BIODIVERSITY AND ECOLOGICAL FUNCTION - A GLOBAL PERSPECTIVE MODERATOR: KIRSTEN PINKERTON	APPLYING SUSTAINABILITY CONCEPTS MODERATOR: KATHY GRECHUTA	SURVEY SAYS - FARMERS & LANDOWNERS: WHO ARE WE? WHAT DO WE WANT? MODERATOR: HIDA MANNS	INNOVATIONS IN FISHERIES MANAGEMENT: FISHERIES RENEWAL MODERATOR: JILLAYNE PEERS	DEVELOPING EFFECTIVE STRATEGIES TO REACH DECISION-MAKERS MODERATOR: NEHA CHUGH	REVENUE GENERATION MODERATOR: KAREN GALLANT
Integrated watershed management is dynamic and is adaptable to changing social, economic and environmental conditions. This session will present different perspectives relevant to achieving integrated watershed management: from tackling national water policy, to research on barriers and key considerations, to implementing it on the ground.	The Watershed Characterization component of the Assessment Report includes consolidating information on watershed natural features and systems, population distribution, and land use. This session will provide an overview of the guidelines as well as feature the results from Watershed Characterization activities in three conservation authority watersheds.	Climate change is one of the most significant global challenges facing society and the environment today. Most natural ecosystems, both on land and in the sea, are at risk of being affected by climate change. This session will look at some global examples of how climate change is impacting our natural heritage areas and systems.	How can we translate the concept of sustainability into action? This session outlines practical approaches and case studies which illustrate how we can realistically move from theory to practice.	In June 2006 Wildlife Habitat Canada (WHC) released the results of their National Survey on Ecological Goods and Services. Participants were surveyed about their attitudes and behaviours towards ecological goods and services in an effort to support policy development at the national level. As anticipated, the survey results highlight that farmers and ranchers make considerable efforts to steward their land and mitigate environmental risks.	The indigenous fish fauna of the Great Lakes have suffered well-documented losses. Current innovative and collaborative efforts to reintroduce or rehabilitate native fishes in the Great Lakes and their tributaries will be explored.	In order to be effective in planning and delivering environmental programs and initiatives, it's critical to understand the decision-makers' perspective. This session will look at reaching decision-makers in municipalities, in the provincial arena and within First Nations organizations.	Where can we find new dollars to assist with maintaining our parks and natural areas? This session will focus on new approaches and sharing ideas about revenue generation.
Examination of the State of Water Policy in Canada & links to Watershed Management Rick Findlay, Pollution Probe	Highlights of MOE's Watershed Characterization Technical Guidelines. A brief overview of the type of information required by the guidelines Jennifer Havelock, Conservation Ontario	Global Warming and Extinction of Endemic Species from Biodiversity Hotspots Jay Malcolm, University of Toronto	Sustainability Assessment: Making the World Better, One Undertaking At A Time Robert Gibson, University of Waterloo	From Planning to Action Sarah Peckford, Town of Caledon	Deep Water Cisco Restoration in Lake Ontario Ted Schaner, Ministry of Natural Resources	Communications Strategies that Reach Decision-Makers Brian Lambie, Redbrick Communications Inc.	Binbrook Conservation Area makes a splash with customers Darcy Baker, Niagara Peninsula Conservation Authority
Opportunities and Challenges to achieving Integrated Watershed Management Barbara Veale, Grand River Conservation Authority/University of Waterloo	Case Study - A Collaborative Approach to Watershed Characterization Glenda Rodgers, Trent Conservation Coalition	Climate Change and Impacts on Forests Dave DeYoe, Bio-Trend Systems Inc.	Climate Change and Some Emerging Axions for Life in the 21st Century Paul Gray, Ministry of Natural Resources	Climate Change and Impacts on Forests Sarah Peckford, Town of Caledon	Management of American eel on the slippery slope Alastair Mathers, Ministry of Natural Resources	Reaching Decision-Makers: Partnerships and Primers Elizabeth Everhardus, Pollution Probe	Collecting Fees with "Pay and Display" Parking Systems Perry Sisson, Central Lakes Ontario Conservation
Integrating Water Management at the Watershed Level - A CA Perspective Paul Lehman, Mississippi Valley Conservation Authority	Watershed Characterization Case Study - A Northern Perspective Judy Sewell, Nickel District Conservation Authority	Case Study - Steps Forward from Watershed Characterization Cathie Brown, Ausable-Bayfield - Maitland Valley Partnership		The Lake Ontario Atlantic Salmon Restoration Program - Bringing Back the Salmon Chris Robinson, Ontario Federation of Anglers and Hunters	The Lake Ontario Atlantic Salmon Restoration Program - Bringing Back the Salmon Chris Robinson, Ontario Federation of Anglers and Hunters	Effective Communications with First Nation Communities Jim Morris, Sioux Lookout First Nations Health Authority	Breakout Delegates will move into smaller groups to discuss other individual revenue generating initiatives. Each group will create a top 10 list and contacts to share with the larger group.
				National Survey Lynn McIntyre, Wildlife Habitat Canada			See Parks Expo Floorplan on Page 28 of this Program.
				Landowner Profiles Lee-Anne Milburn, University of Guelph			

WATERSHED MANAGEMENT	WATER	NATURAL HERITAGE	SUSTAINABLE PLANNING	STEWARDSHIP	RESOURCE MANAGEMENT (FISHERIES)	ENVIRONMENTAL EDUCATION & COMM.	PARKS EXPO
T2A ROOM 15	T2B ROOM 16	T2C ROOM 10	T2D ROOM 4	T2E ROOM 10A	T2F ROOM 6	T2G ROOM 5	T2H ROOM 1-2-3 FIESTA
WATERSHED PLANNING, MANAGEMENT & ADAPTATION MODERATOR: MEREDITH WALKER	WATER BUDGET ACTIVITIES IN SUPPORT OF SOURCE PROTECTION PLANNING MODERATOR: JILLIAN SMITH	CLIMATE CHANGE IMPACTS ON BIODIVERSITY AND ECOLOGICAL FUNCTION - A LOCAL PERSPECTIVE MODERATOR: BRENDA VAN SLEEWEN	INFRASTRUCTURE MANAGEMENT AND SUSTAINABILITY - MAKING IT WORK MODERATOR: TREMAYNE STATON-KENNEDY	REAL LIFE EXPERIENCES: FARMERS, LANDOWNERS AND THEIR LAND MODERATOR: KATHY GREHUTA	IMPLICATIONS OF CLIMATE CHANGE FOR FISHERIES OF ONTARIO AND THE GREAT LAKES BASIN MODERATOR: CHRIS GIBB	UNDERSTANDING RURAL VALUES IN ORDER TO REACH RURAL AUDIENCES MODERATOR: DAVID MORRIS	THE POWER OF PARTNERSHIPS MODERATOR: KAREN GALLANT
The challenges to watershed planning and management facing natural resource managers today relate to fully engaging the public and key sector stakeholders in developing actionable plans that will assist in protecting, restoring and managing our natural resources in light of competing land interests. This session will provide insight into 3 different watershed planning initiatives at various stages of implementation, with unique watersheds and unique watershed issues for managers and the community to address.	A water budget is a quantitative representation or model that identifies how much water is available and shows how water moves through a watershed. This session will review the Provincial guidelines for water budget development, as well as the successes and challenges encountered in their development.	Both aquatic and terrestrial ecosystems are being affected by climate change. When the climate changes, species react differently; some thrive while some diminish. This session will examine the effects of climate change on local habitats and will talk about the need for appropriate measures to deal with climate change.	Our climate is changing. How can we cope with the changes? This session will examine the need to identify and develop appropriate adaptive infrastructure management techniques to deal with the impacts of climate change, and will showcase examples of work all ready being done to prepare for some of the changes.	This session will focus on real life farmer and landowner experiences. Hear directly from Environmental Farm Plan participants and a Rural Non-Farm landowner who has implemented a conservation plan. Learn about the benefits and challenges of managing one's own land - what works and what doesn't!	Assessing the potential impacts of climate change on fresh waters and their fish assemblages provides insight to a new array of fisheries and fish habitat management issues that could arise if climate change proceeds as anticipated.	Identifying and reaching rural people and agencies is critical to promoting behaviour or attitudinal changes at the most important level - the grassroots. This session will look at three agencies who work regularly with rural audiences and highlight what they have found to be relevant messaging or approaches for this group.	This session will examine how partnerships can assist with delivering vital programs and services.
Laurel Creek Watershed Study - Implementation and Adaptation Denise McGoldrick, City of Waterloo	Applying Water Budget Guidelines Mike Garraway, Ministry of Natural Resources	Climate Change and Biodiversity Conservation in Fragmented Landscapes Ken Towle, Ganaraska Region Conservation Authority	Water Environment Association of Ontario: Mission and Recent Initiatives Carl Bodimeade, Water Environment Association of Ontario	Stuart Reimer, Grape and Greenhouse Flower Producer	Impacts of Climate Change on Fish of the Great Lakes Basin Brian Shuter, Ministry of Natural Resources	Reaching/Understanding Rural Audiences Lately (RURAL) Keith Taylor, Quinte Conservation	"Friends Of" groups to enhance the educational, recreational and resource management programs of Ontario Parks Gary Forma, Tourism Marketing Partnership Ontario Parks
Twenty Mile Creek Watershed Plan Jennifer Durley, Niagara Peninsula Conservation Authority	Developing A Water Budget - Mattagami Region CA Case Study Steve Usher, Gartner Lee Harold Schroeter, Schroeter and Associates	Affects of Climate Change on Aquatic Ecosystems in Southern Ontario Joe Evers, Mattagami Region Conservation Authority	Water Budget Work Implications for Municipalities: Challenges & Opportunities Cindy Chu, Trent University	Peter Harvey, Cash Crop and Sheep Producer	Impact of Climate Change and Adaptation Strategies on Freshwater Coastal Wetland Fish Assemblages Ron Millen, Farmer	Partners Promote a Healthy Living Keith Taylor, Quinte Conservation	
Rideau Lakes Watershed Management Plan Lynn Preston, Rideau Valley Conservation Authority	A Reviewers Perspective and Conceptual Geological Models David Sharpe, Geological Survey of Canada	The Living City: TRCA's Response to Climate Change Brian Denney, Toronto and Region Conservation Authority	Michael D'Andrea, City of Toronto	Gord Guenther, Farmer	From the Farm Gate to Irate - Communicating Directly with Farmers Sue Doka, Fisheries and Oceans Canada	Breakout Delegates will be placed in smaller groups to discuss other individual partnerships that have been successful. Each group will create a top 10 list and contacts to share with the larger group.	
					Implications of Climate Change for Lake Trout Fisheries in Ontario Lakes David Evans, Ministry of Natural Resources	Play Offense. Get Your Message Out. Crystal Mackay, Ontario Farm Animal Council	See Parks Expo Floorplan on Page 28 of this Program.

PIONEER AWARD LUNCHEON



**The Honourable
Laurel Broten**
Minister of the Environment

**Address by
The Honourable Lauren Broten
Ministry of the Environment**

This award is designed to recognize individuals who have demonstrated life-long, outstanding contributions to the field of conservation. They are recognized for their innovation, leadership and dedication to the conservation field. Either through their personal activities and/or leadership, they have gone beyond the call of duty or responsibility to an employer, client or their community. These individuals have helped to celebrate and inspire innovation in the conservation field and have made a difference in their area of expertise. Nominees have encouraged and motivated others to take similar leadership roles towards conservation work.

Nominations are reviewed and evaluated by a special sub-committee of the Latornell Steering Committee. The Pioneer Awards will be presented to the recipients at a special luncheon scheduled for Thursday, November 16th in the Conservation Dome.

PIONEERS



Sally Beaton

Sally Beaton

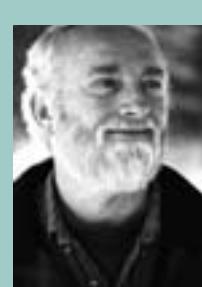
Nominating Agency:
Mississippi Valley Conservation Authority



Robert Bowles

Robert Bowles

Nominating Agency:
Moon Point Homeowners Association



Ron Reid

Ron Reid

Nominating Agency:
Ontario Nature



George S. Stormont

George S. Stormont

Nominating Agency:
Grand River Conservation Authority

WATERSHED MANAGEMENT	WATER	NATURAL HERITAGE	SUSTAINABLE PLANNING	STEWARDSHIP	RESOURCE MANAGEMENT (FISHERIES)	ENVIRONMENTAL EDUCATION & COMM.	PARKS EXPO
T3A ROOM 15	T3B ROOM 16	T3C ROOM 10	T3D ROOM 4	T3E ROOM 10A	T3F ROOM 6	T3G ROOM 5	T3H ROOM 1-2-3 FIESTA
KEY CONCEPTS IN ONTARIO HYDROLOGY MODERATOR: ERIC ACS	MOVING COLLABORATION INITIATIVES FORWARD: PANEL DISCUSSION MODERATOR: KIRSTEN PINKERTON	NATURAL HERITAGE PLANNING AND MANAGEMENT MODERATOR: DAVID MORRIS	ENVIRONMENTALISM: WHERE IS NATURE? GOING WILD ABOUT CITIES MODERATOR: NEHA CHUGH	RURAL ONTARIO'S FUTURE: A PANEL DISCUSSION ON RURAL GRIEVANCES, CAUSES & SOLUTIONS MODERATOR: KATHY GREHUTA	ADAPTING TO ALTERED DIRECTIVES MODERATOR: TREMAYNE STATION- KENNEDY	BUILDING A CASE FOR SUSTAINABLE EDUCATION IN ONTARIO MODERATOR: LEE-ANN MILBURN	REDUCING OUR IMPACT MODERATOR: KAREN GALLANT
Recent concerns regarding water management, source water protection and climate change demand the identification of key hydrologic flow vectors in our Ontario watersheds, including seasonal and spatial variability. This session will focus on surface runoff, groundwater recharge and discharge and evapotranspiration, along with discussion regarding the implications of such findings to modeling and urbanization.	What are the technical foundations for information sharing across agencies with an interest in Conservation? How can these components work together to provide integrated conservation data in Ontario? What is the role of various data agencies in providing this information?	Natural Heritage Planning is essential for effective conservation of natural heritage systems. This session will look at three very different examples of natural heritage strategies, systems and applications that are being applied across Ontario.	Traditional environmentalism has implied an antithesis between wilderness and human society (especially urban environments). Yet, with increasing growth of both cities and urban populations, how we plan, build and live in urban environments is increasingly crucial to achieving sustainability. Can environmentalism's traditional focus on defending wilderness expand to advocacy for more sustainable urban life as well? Bring your contributions to this evolutionary question.	World market influences, trade agreements, economic development trends and ever-changing legislation are among factors posing unprecedented challenges to the agricultural sector and rural communities in recent years. Many believe there is a growing gap between urban and rural communities. Despite these pressures, farmers and rural communities are finding new ways to sustain their economic and environmental sustainability. Three influential community leaders will explore these challenges and opportunities through an interactive and thought-provoking panel discussion.	Changes in aquatic resource policy at the federal level have provided opportunities for a new way to manage fish and fish habitat in Ontario: current directions and status for DFO in a new era.	This session provides an opportunity to learn more about the United Nations Decade of Education for Sustainable Development (2005-2014) and how some specific initiatives are being followed up in Ontario, possibly resulting in new environmental education programming for our schools.	Sustainable opportunities within our parks and natural areas require careful planning. This session will look at visitor impacts and sustainable recreation options.
Key Components of Ontario Hydrography Trevor Dickinson, University of Guelph	Through a panel discussion, this session will look at the initiatives and collaboration efforts between the various agencies represented to answer the above questions. The panel will discuss current and proposed information management tools, systems and data across Ontario.	Developing a Natural Heritage System Approach for Southern Ontario William Martin, Ministry of Natural Resources	Beyond Islands of Green - Using Conservation Science to Select and Design Community-based Nature Reserves Ron Reid, Couchiching Conservancy and Dan Kraus, Nature Conservancy of Canada	Intensifying Wilderness: Nature and Spirit in the City Peter Timmerman, York University	Moving Forward in a Climate of Change Karen Ralph, Fisheries and Oceans Canada	Efforts Across Canada to Address the United Nations Decade of ESD Elaine Rubinoff, Executive Director, Learning for a Sustainable Future	Monitoring to Support Planning and Management in Ontario Parks Tim Bellhouse, Ontario Parks
Fundamentals in Ganaraska Region Hydrology Mark Peacock, Ganaraska Region Conservation Authority	Jury Konga, Chair of Municipal GeoSpatial Coordinating Committee and Town of Richmond Hill	A Recipe for Data Sharing Graham Smith, Grand River Conservation Authority	Language of the Land Traditional Ecological Knowledge David Mackett, Lake Superior First Nations Development Trust	Interdisciplinary Approaches to Conservation: Success or Failure? Raymond Rogers, York University	Rural Ontario's Future: A Panel Discussion on Rural Grievances, Causes & Solutions Wayne Caldwell, University of Guelph	Changing Legislation and Protecting Species at Risk: Mapping SAR Distributions for Research and Management Carolyn Bakelaar, Fisheries and Oceans Canada	Following the Footsteps - An Inventory of Land Use Issues Heather Yates, Credit Valley Conservation
A Recipe for Data Sharing Graham Smith, Grand River Conservation Authority	Ian Parrish, Ministry of the Environment	Language of the Land Traditional Ecological Knowledge David Mackett, Lake Superior First Nations Development Trust	Town and Country Revisited Frank Cunningham, University of Toronto	Farmers Perspective on Conservation Howie Herrema, Durham Region Farmer	Conservation & Protection: Where are we now? Brian Round, Fisheries and Oceans Canada	Ontario ESD Working Group- Provincial Perspective Merebeth Switzer, Ontario Working Group	Bruce County Sustainable Trails Chris LaForest, County of Bruce
	Sarah Rosolen, Non-Government Organization			The Balance Between Economics and Environmental Implementation Gord Surgeoner, Ontario Agri-Food Technologies			See Parks Expo Floorplan on Page 28 of this Program.

3:30 - 4:00 PM - COFFEE BREAK IN EXHIBITORS GALLERY

4:00 PM - STUDENT POSTER PRESENTATIONS

Part of the philosophy of the A.D. Latornell Conservation Symposium is the support and mentoring of future conservationists. Each year, students from Ontario universities are invited to highlight their innovative research through display in the Conservation Dome. This is a great opportunity for them to share their work with professionals as well as for Symposium participants to learn about current academic research in the field of environmental science, technology and conservation. A special judging of the student posters by Symposium delegates will take place starting at 4 pm in the Conservation Dome.

Margaret E. Scott

Civil Engineering, University of Waterloo

Watershed Analysis of Nitrate Transport as a Result of Agricultural Inputs for Varying Land Use/Land Cover and Soil Type

Titia Praamsma

Civil Engineering, Queen's University

Using d18O and dD to Investigate Complex Groundwater-Surface Water Interaction and Recharge in a Gneissic Terrain, Perth, Ontario

Andrew S. Medeiros

Biology, York University

A Biogeographic Examination of Climate Driven Impacts on Lakes and Ponds of the Canadian Arctic

Christopher J. Lemieux

Geography, University of Waterloo

Climate Change and Ontario's Provincial Parks: Potential Impacts and Implications for Policy, Planning and Management

Jillian M. Smith

Land Resource Science, University of Guelph

Temporal Dynamics of Greenhouse Gas Fluxes Linked to Soil Biophysical Processes and Management Practices

Meredith Walker

Rural Planning Development, University of Guelph

Group Evaluation as a Process for Teambuilding and Collaboration for Multi-Stakeholder Working Groups in Source Water Protection Planning

Richard Grzesik

Rural Planning Development, University of Guelph

La Cordillera del Básamo, Santa Tecla, El Salvador: Manejo de Recursos Naturales

Sheila Colla

York University

The Ecology and Conservation of Eastern North American Bumble Bees

Elyse Bustros-Lussier

Earth Science, University of Ottawa

Identifying Groundwater Discharge in Rivers in Eastern Ontario using an Electrical Conductivity Drag Probe

Ariella Orback

Rural Planning Development, University of Guelph

Nusagandi: Creating a Model for Autonomous Indigenous Management of Conservation and Ecotourism Projects

Hida Manns

Trent University

Differences Between Surface Mulch or Soil Addition with Corn Stalks and Paperfibre Biosolids

Katherine Grechuta

Rural Planning Development, University of Guelph

Community Taking Ownership: Lake Huron Stewardship Manual

Mark Eastman

McGill University

Surface and Subsurface Phosphorus Losses from Agricultural Fields in Québec

Jillarye Peers

Rural Planning Development, University of Guelph

Learning Through Collaboration: Communities of Practice and Stewardship Organizations

Rengina Rahman

Earth Science, University of Waterloo

Well Vulnerability Maps: An Approach to Measure the Impact of Contaminant Sources on Wellfields

Chris Priddle

Geography, University of Western Ontario

Responding To Revolutionary Change: Can Watershed Management Adapt?

Stephanie Morton

Rural Planning Development, University of Guelph

Gender Issues in Assessment of Natural Resource Use: Water and Women in Northeastern Sri Lanka

Cassie Barker

University of Guelph

Testing the Waters: Mapping Communication and Learning in Ontario Water Management

**Conservation Dome -
Cash Bar**
starting at 4:00 PM

4:00-7:00 PM

Dream Auction

Hosted by Ron Scott
Conservation Dome

This year's Dream Auction theme is "Christmas". Being that Christmas is just a month away, this year's event is loaded with Christmas ideas and items for the whole family, friends and colleagues. Please join the festivities and support the Auction. All proceeds are invested in the Latornell Grant which provides funds to assist students, not-for-profit organizations and volunteers in attending the Symposium.

There are over 100 items to bid on! Some of our Live Auction items will include:

- Latornell Wine Rack and Wine
- Muskie Fishing and Holiday on Stoney Lake
- Garden Swing Set
- Luther Marsh Getaway
- Peterborough Vacation Package
- Potato Bin and Potatoes

All proceeds are provided to the A.D. Latornell Grant Fund.

4:00-5:30 PM
**Interactive - Student
Posters Presentation**

Master of Ceremonies,
Stewart Hilts, University of
Guelph

6:30-9:30 PM
Banquet - Dream Auction

7:30 PM
**Student Poster Winner
Announcement**

Don Pearson,
Conservation Ontario
& Stewart Hilts, University
of Guelph

8:00 PM
Live Auction
Auctioneer Don McKay

8:30 PM
Comedian
Johnny "Bagpipes" Johnston

What do you get when high-energy
clean comedy meets the bagpipes?
You get Johnny "Bagpipes" Johnston -
a mixture of great comedy with a
twist of rock 'n' roll! More than just
plaid, Johnny "Bagpipes" Johnston
delivers his hilarious comedy
performance with a Scottish
twist that bowls audiences over.



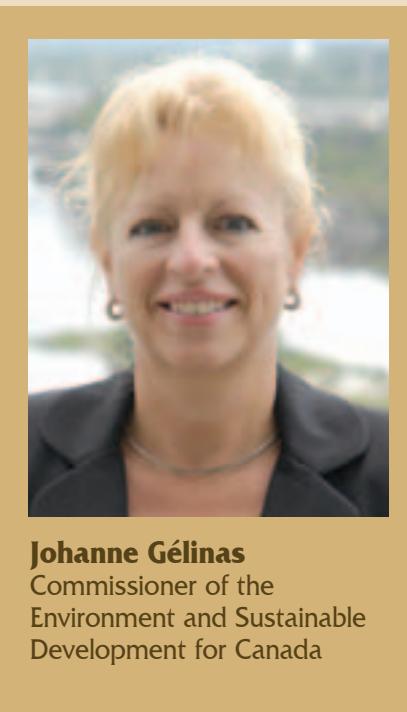
9:30-12:00 AM
Hospitality Suite
(Rooms 1-2-3)

**LATORNELL SYMPOSIUM
PARKS EXPO 2006
ROOMS 1,2,3**



Exhibitors

1. Spectrum Wireless Communications/Telus
2. ABC Recreation
3. McCarthy Signs
4. MacKay Meters
5. Stantec Consulting
6. Somerville Seedlings
7. Huronia Trails and Greenways
8. Ontario Parks Association
9. Fleming College – Centre for Alternative Wastewater Treatment
10. Brochure and Information Swap



Johanne Gélinas
Commissioner of the
Environment and Sustainable
Development for Canada

Conservation Dome

7:00 am Breakfast

(available only until 8 am)

**8:00 am Keynote Address
by Johanne Gélinas**

Presentation:
**2006 Report
on Climate Change**

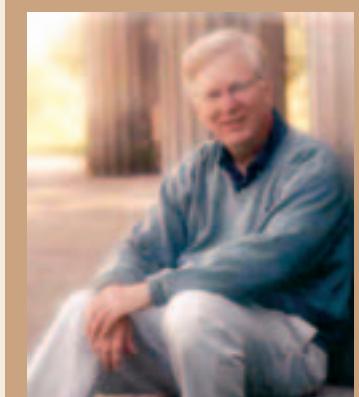
**Mark your calendar for the
2007 Symposium**



**November 14-16, 2007
Nottawasaga Inn
Alliston, Ontario**

WATERSHED MANAGEMENT	WATER	NATURAL HERITAGE	SUSTAINABLE PLANNING	STEWARDSHIP	INFORMATION TECHNOLOGY	ENVIRONMENTAL EDUCATION & COMM.
FIA ROOM 15	FIB ROOM 16	FIC ROOM 10	FID ROOM 4	FIE ROOM 10A	FIF ROOM 6	FIG ROOM 5
RECENT ADVANCES IN CONSERVATION AUTHORITIES' TRADITIONAL MONITORING PROGRAMS MODERATOR: LEE-ANN MILBURN	AGRICULTURAL TILE DRAINAGE PART 1 MODERATOR: JIM MYSLIK	ECOLOGICAL GOODS AND SERVICES MODERATOR: CHRIS GIBB	SUSTAINABLE TRANSPORTATION MODERATOR: BRENDA VAN SLEEWEN	BEST MANAGEMENT PRACTICES: THE NEXT GENERATION MODERATOR: RICHARD GRZESIK	THE BUSINESS OF CAS AS IT RELATES TO INFORMATION TECHNOLOGY MODERATOR: ERIC ACS	INNOVATION IN EDUCATION MODERATOR: KIRSTEN PINKERTON
Watershed monitoring programs provide valuable information that assist in making management decisions and evaluating changes in watershed health over time. This session explores some of Ontario's monitoring programs, and how the results of these activities have been shared in a professional atmosphere and with the community.	Agricultural tile drainage is a controversial, and yet misunderstood practice in rural Ontario. Learn about rural drainage, the associated legislation and programs, the underlying science, and related research challenges and opportunities.	As the consumption of ecological goods and services continues to grow, environmental groups, conservation authorities, municipalities and many others are "growing the economic case for conservation".	Transportation is a fundamental requirement of modern society. Yet, is it also the basis of accelerating environmental degradation (especially climate change). How will human society adapt to ecological limits while meeting their transportation needs in the most sustainable way? Find out about the latest problems, policies and programs.	The Best Management Practices (BMP) Series have been extremely successful in educating agricultural producers and rural landowners alike about beneficial stewardship practices. The BMP Series continues to expand with several new publications in the works. This session will explore how these topics were identified, highlight their contents and outline future applications.	This session is focused towards Conservation Authority staff, stakeholders, and especially management. Part 1 looks at Conservation Authority concerns and issues, as well as direction and vision around information technology. Topics include sustainable funding, concepts, design standards and maintenance and enterprise GIS.	This session will explore what's new, innovative and what has been revitalized in environmental education programming.
Coordinated Monitoring: The Past, Present, and Future Jennifer Havelock, Conservation Ontario	Legislation & Regulations Sid VanderVeen, Ministry of Agriculture, Food and Rural Affairs	Socio-Economic Benefits of the Credit River Watershed – Phase 1: The Fishery Mike Puddister – Credit Valley Conservation and Edward Hanna – DSS Management Consultants Inc.	The Role of Public Transit in Sustainable Transportation: Opportunities and Challenges Michael Roschlau, Canadian Urban Transit Association	The BMP Program & Progress Hugh Smith, Ministry of Agriculture, Food and Rural Affairs	What is Enterprise GIS? Jarold Holland-Hibbert, Conservation Halton	Greening Our Schools Brianne Wilson, Niagara Peninsula Conservation Authority
Credit Valley Conservation's Report Card: Bringing It All Together Loveleen Clayton and Lynne Parsons, Credit Valley Conservation	Benefits and Impacts Harold Rudy, Ontario Soil and Crop Improvement Association	"Citygreen" Model - A Model to Calculate the Economic and Environmental Benefits Provided by Trees and Other Vegetation Dave Miller - City of Ottawa	Agroforestry Peter Roberts, Ministry of Agriculture, Food and Rural Affairs	Vision & Planning: The Business and a Sustainable Funding Model for IT George Sousa, Grand River Conservation Authority	Down at the Pond: A Campaign to Promote Public Wetlands Lynette Mader, Ducks Unlimited	Into the Grate... Out to the Lake - Mississauga's Storm Drain Awareness Program Andrea McLeod, City of Mississauga
State of the Nation: Reporting on the Health of a River Ian Ockenden, South Nation Conservation		Oakville's Urban Forest - Our Solution to our Pollution John McNeil, Town of Oakville	Four Pillars of Transit Sustainability Chris Kennedy, University of Toronto	Greenhouse Gas Mitigation: Farming and Climate Change Ted Taylor, Ministry of Agriculture, Food and Rural Affairs	Municipal Model Tom Dufour, Essex Region Conservation Authority	
<hr/> <p>This session will be video recorded by staff from the Town & Country television as part of OMAFRA's Communications Services. It is expected that the footage will be used for future stakeholder presentations.</p> <hr/>						

WATERSHED MANAGEMENT	WATER	NATURAL HERITAGE	SUSTAINABLE PLANNING	STEWARDSHIP	INFORMATION TECHNOLOGY	ENVIRONMENTAL EDUCATION & COMM.
F2A ROOM 15	F2B ROOM 16	F2C ROOM 10	F2D ROOM 4	F2E ROOM 10A	F2F ROOM 6	F2G ROOM 5
RECENT ADVANCES IN CONSERVATION AUTHORITIES' BENTHIC MONITORING PROGRAMS MODERATOR: HIDA MANNS	AGRICULTURAL TILE DRAINAGE PART 2 MODERATOR: JIM MYSLIK	LAND SECUREMENT MODERATOR: KATHY GRECHUTA	ENERGY - WHERE ARE WE GOING ON CAPACITY AND CONSUMPTION? MODERATOR: DAVID MORRIS	NORTH, SOUTH, EAST, WEST: STEWARDSHIP'S DIRECTION MODERATOR: JILLIAN SMITH	TECHNOLOGY SOLVING BUSINESS PROBLEMS MODERATOR: ERIC ACS	MULTICULTURAL DIVERSITY AND ENVIRONMENTAL EDUCATION MODERATOR: JILLAYNE PEERS
Aquatic invertebrates are good indicators of aquatic ecosystem conditions. In this session, we report on several collaborative biomonitoring activities, and we demonstrate that conservation authorities are advancing the state-of-the-art practice, both provincially and nationally.	Agricultural tile drainage is a controversial, and yet misunderstood practice in rural Ontario. Hear how drainage programs have been incorporated into several different soil and water conservation applications.	This session will look at the array of land securement programs, projects, strategies and legislation that is helping to secure important natural heritage areas across Ontario.	Energy is the basis of literally everything in the universe. How will humans adapt to their increasing demand for energy in a finite environment and what will make it sustainable? How can the increasing demand for electrical energy be fulfilled in the most sustainable way?	No matter where we look, community stewardship is thriving across Ontario. Landowners and community groups alike continue to work towards the goal of sustainable resource management as well as environmental and economic improvement. This session will wrap up the conference with a look at some highly successful collaborative projects across the province, with an eye to what the future holds.	This session is focused towards Conservation Authority staff, stakeholders, and especially management. Part 2 examines a number of Conservation Authorities efforts to make information accessible, sharable and freely available. This session will also examine the sharing and pooling of technology solutions while meeting the business needs of Conservation Authorities.	One of the challenges today for environmental educators is to ensure that environmental programming is relevant to a variety of cultures. This session will explore how the environmental education community is reaching out to diverse groups.
Assessing Aquatic Ecosystem Condition using CABIN/OBBN Software Chris Jones, Ministry of the Environment	Wetland/Riparian Buffer Restoration Using the Drainage Act as a Tool to Improve Water Quality and Quantity Dave Richards, Ontario Stewardship Program, Ministry of Natural Resources	Changes to Conservation Easements - A look at Bill 16 and Bill 51 Ian Attridge - Kawartha Heritage Conservancy	A 'Kitchen Table' Land Securement Strategy Russ Powell, Central Lake Ontario Conservation Authority	Community Based Home Energy Program Clifford Maynes, Green Communities Canada	Sudbury's Vegetation Enhancement Technical Advisory Committee - Cooperation in Greening Vegetation Peter Beckett, City of Sudbury	Diverse Community Tools Janis Nostbakken, Diversity Consultant
Aquatic Ecosystem Condition in the Upper Nottawasaga Basin Katherine Watson, Nottawasaga Valley Conservation Authority	Soil Conservation and Drainage Brad Glasman, Upper Thames River Conservation Authority	Results and Opportunities - Natural Spaces Land Acquisition and Stewardship Program Tony Buszynski, Ontario Heritage Trust	A New Era in Conservation Begins Peter Love, Ontario Power Authority	Planning for Green Power Christine Elwell, Friends of the Earth Canada	Introducing the Grand River Information Network and GRCA's Approach to Internet-based GIS Zoe Green, Grand River Conservation Authority	New Canadian Youth Programming at RBG Barb McKean, Royal Botanical Gardens
Watershed - Scale Inferences from Site-Scale Data: The Time has Come for Random Survey Designs Martha Nicol, Saugeen Valley Conservation Authority	Cropland Drainage - A Farmer's Perspective Don Lobb, Land Improvement Contractors of Ontario	<hr/> This session will be video recorded by staff from the Town & Country television as part of OMAFRA's Communications Services. It is expected that the footage will be used for future stakeholder presentations. <hr/>	Community Stream Steward Program: Providing Tools for Change Tara Borwick, Ontario Federation of Anglers and Hunters	Community Stream Steward Program: Providing Tools for Change Tara Borwick, Ontario Federation of Anglers and Hunters	Community Stream Steward Program: Providing Tools for Change Tara Borwick, Ontario Federation of Anglers and Hunters	Diversity Initiatives at TRCA - Creating Opportunities for New Canadians Kelven Goodridge, Toronto and Region Conservation Authority
			Green Neighbourhoods: Communities and Agencies Working Together to Improve Water Balance and Create Habitats in Toronto Watersheds Suzanne Barrett, Barrett Consulting	Whither Stewardship? Stewart Hills, University of Guelph	Partner ASP Internet GIS Demonstration Jeff Moxley, Ganaraska Region Conservation Authority	6 CA Web Mapping Project Tracy Boitson, Ausable Bayfield Conservation Authority



David Philips

12:00-1:30 PM

Lunch and Wrap up

Conservation Dome

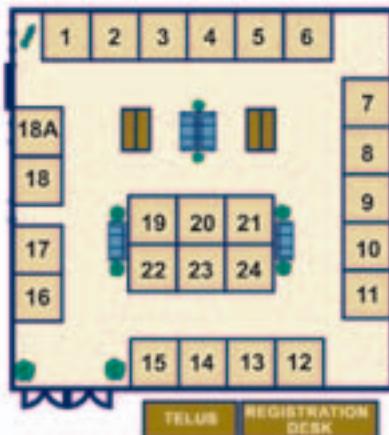
Keynote Speaker:
David Philips
Environment Canada

Is Our Weather Getting Worse?

Hailers, snow dumps, icy rains, weather bombs, super hurricanes! What's happening to the weather? It's almost as if extreme weather has become the norm – an epidemic of ferocious, killer, catastrophic weather everywhere. And the seasons seem to be out of whack, certainly not what our teachers and parents told us it would be like. Is our weather becoming more extreme? And, if so, are people responsible or is it sunspots and ocean temperatures and other natural forces? Some experts suggest that we may be witnessing the beginning of a profound climate change and bad weather may be proof of an overheated, out-of-control planet. On the other hand, it's happened before, maybe we are going through some rough times, and experiencing some bad "weather" luck. We are certainly hearing more about it. After all, CNN is everywhere.

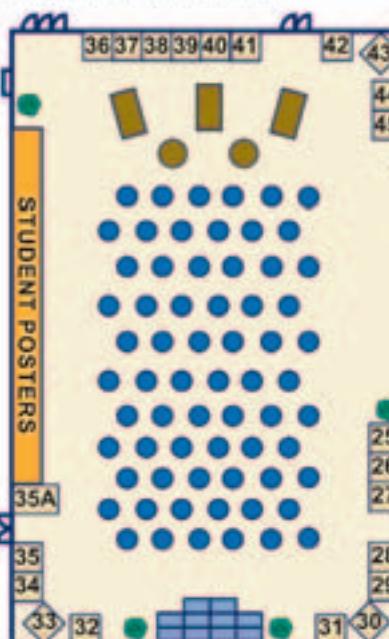
CONFERENCE EXHIBITORS

EXHIBITOR'S GALLERY



1. Hoskin Scientific
2. Jacques Whitford Limited
3. Ministry of the Environment
4. Earth Fix Inc.
5. Walkerton Clean Water Centre
6. MNR - WWRP
7. Schlumberger Water Services/ Waterloo Hydrogeologic Inc.
8. Water and Earth Science Associates Ltd. (WESA)
9. Jagger Hems Limited
10. Trees Ontario Foundation/ Ontario Forestry Association
11. Ontario Stone, Sand & Gravel Association
12. Ministry of Agriculture, Food and Rural Affairs (OMAFRA)
13. Toronto and Region Conservation Authority
14. Ministry of Northern Development and Mines
15. AGCare
16. Gartner Lee
17. First Bio Solutions Inc.
18. Kinters North America
- 18A. ESRI Canada
19. Ontario Power Generation
20. DPRA Canada
21. Hanson Pipe & Products
22. Canadian Wildlife Service (Environment Canada)
23. Ontario Heritage Trust
24. Natural Spaces Program MNR

CONSERVATION DOME



25. Fisheries and Oceans Canada
26. EcoMedia Ecosystems Restoration Services
27. Ontario Federation of Agriculture
28. Project Management Productivity Solutions
29. Ontario Nature
30. Indigenous Cooperative on the Environment (ICE)
31. Conservation Ontario
32. Ministry of the Environment
33. The Region of Peel, Public Education & Outreach section
34. Wetland Habitat Fund
35. Ducks Unlimited Canada
- 35A. University of Guelph Young Conservationists Professionals (YCP)
36. Ministry of Natural Resources
37. Ministry of Natural Resources Stewardship
38. Canadian Climate Impacts and Adaptation Research Network (C-CIARN)
39. Ontario Federation of Anglers and Hunters - Community Stream Steward Program
40. Ontario Federation of Anglers and Hunters - Invasive Species
41. Ministry of Public Infrastructure Renewal
42. W.B. Beatty & Associates Limited
43. Natural Resource Solutions Inc
44. Belmont Rose Granite
45. Ministry of Natural Resources WWRP



Main Floor



A.D. LATORNELL 2006 CONSERVATION SYMPOSIUM

SESSION	ROOM	MODERATOR	SESSION	ROOM	MODERATOR	SESSION	ROOM	MODERATOR
W1A	15	Jillian Smith	T1A	15	Eric Acs	F1A	15	Lee-Ann Milburn
W1B	16	Meredith Walker	T1B	16	Jillian Smith	F1B	16	Jim Myslik
W1C	10	Tremayne Staton-Kennedy	T1C	10	Kirsten Pinkerton	F1C	10	Chris Gibb
W1D	4	Irv Marucel	T1D	4	Kathy Grehuta	F1D	4	Brenda Van Sleewen
W1E	10A	Jillayne Peers	T1E	10A	Hida Manns	F1E	10A	Richard Grzesik
W1F	6	Brenda Van Sleewen	T1F	6	Jillayne Peers	F1F	6	Eric Acs
W1G	5	David Morris	T1G	5	Neha Chugh	F1G	5	Kirsten Pinkerton
			T1H	Fiesta	Karen Gallant			
				1,2,3				
W2A	15	Chris Gibb	T2A	15	Meredith Walker	F2A	15	Hida Manns
W2B	16	Kirsten Pinkerton	T2B	16	Jillian Smith	F2B	16	Jim Myslik
W2C	10	Lee-Ann Milburn	T2C	10	Brenda Van Sleewen	F2C	10	Kathy Grehuta
W2D	4	Irv Marucel	T2D	4	Tremayne Staton-Kennedy	F2D	4	David Morris
W2E	10A	Hida Manns	T2E	10A	Kathy Grehuta	F2E	10A	Jillian Smith
W3F	6	Richard Grzesik	T2F	6	Chris Gibb	F2F	6	Eric Acs
W3G	5	David Morris	T2G	5	David Morris	F2G	5	Jillayne Peers
			T2H	Fiesta	Karen Gallant			
				1,2,3				
						<p>The A.D. Latornell Conservation Symposium Steering Committee also wishes to acknowledge and thank the 2006 Student Moderators who are assisting with the facilitation of the Concurrent Sessions.</p>		
			T3A	15	Eric Acs			
			T3B	16	Kirsten Pinkerton			
			T3C	10	David Morris			
			T3D	4	Neha Chugh			
			T3E	10A	Kathy Grehuta			
			T3F	6	Tremayne Staton-Kennedy			
			T3G	5	Lee-Ann Milburn			
			T3H	Fiesta	Karen Gallant			
				1,2,3				

The A.D. Latornell Conservation Symposium Steering Committee also wishes to acknowledge and thank the 2006 Student Moderators who are assisting with the facilitation of the Concurrent Sessions.