

*10th Anniversary*

# A.D. LATORNELL CONSERVATION SYMPOSIUM

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## FINAL PROGRAM

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November 12, 13, 14, 2003  
Nottawasaga Inn ~ Alliston, ON

*Hosted by*  
Conservation Ontario & the Centre for Land and  
Water Stewardship, University of Guelph

*Protecting the Source...  
from Upstream to Downstream*



## CONFERENCE MANAGEMENT

CHAIR – Barbara Veale, Conservation Ontario/Grand River Conservation Authority

PAST-CHAIR – Stewart Hilts, University of Guelph

SECRETARY – Susan Carey, University of Guelph

REGISTRAR – Teresa Cole

COORDINATOR – Pierre Paquette, Allset Inc.

## STEERING COMMITTEE

Michelle Charbonneau, City of Mississauga/AMO

Andrea McLeod, City of Mississauga/AMO

Jane Lewington, Conservation Ontario

Richard D. Hunter, Conservation Ontario

Bob Clay, Ducks Unlimited Canada

Maureen Henry, Fisheries & Oceans Canada

Al Rose, Fisheries and Oceans Canada

Chris Hachey, Grey Sauble Conservation Authority

Barbara MacKenzie-Wynia, Nottawasaga Valley Conservation Authority

Kim Gavine, Oak Ridges Moraine Foundation

John Ferguson, Office of the Environmental Commissioner of Ontario

Barbara Heidenreich, Ontario Heritage Foundation

Hugh Simpson, Ontario Ministry of Agriculture & Food

Paul Smith, Ontario Ministry of Agriculture & Food

Don Greer, Ontario Ministry of Natural Resources

Stuart Mallany, Ontario Ministry of Natural Resources

Barbara Anderson, Ontario Ministry of the Environment

Deborah Brooker, Ontario Ministry of the Environment

Paul General, Six Nations Eco-Centre

John Parish, Soil and Water Conservation Society (Ontario Chapter)

Peter Mitchell, University of Guelph

Ron Scott, Dream Auction Coordinator

Merebeth Switzer, Media Coordinator



# Welcome

November 12, 2003

Dear Participant:

Welcome to the A.D. Latornell Conservation Symposium! The Symposium was started in 1993 to provide a forum for practitioners, students, academics, politicians and non-government organizations to discuss salient challenges and opportunities in the conservation movement in Ontario and to learn about new tools, techniques and strategies for natural resources management. Over the past ten years, the Symposium has grown to be Ontario's most prestigious and well-attended annual conservation conference. It continues to grow, attracting about 190 speakers and over 700 delegates from diverse backgrounds.

This year marks a special milestone – the 10th anniversary of the Symposium. The main sponsors for the event, Conservation Ontario and the Centre for Land and Water Stewardship, University of Guelph, have partnered with a number of other Ontario groups and agencies to provide you with a very relevant program. The theme for this year's Symposium is *Protecting the Source...from Upstream to Downstream*, reminding us that one of the leading priorities for Ontarians today should be the safeguarding our precious drinking water sources. Plenary and concurrent sessions at the Symposium will explore emerging issues, innovative approaches and new partnerships in this regard.

As well as offering professional development and networking opportunities, this year's Symposium is also a celebration of the many successes achieved by the conservation community over the past ten years. To put you in the festive mood, we have added some special touches to our Wine and Cheese Reception, Conservation Pioneer Luncheon, Gala and Dream Auction that you won't want to miss!

On behalf of the Steering Committee, I'd like to thank you – the participant – for making this Symposium an event "not to be missed". I hope you find this year's event a very memorable and enjoyable one.

Yours truly,

*Barbara Veale*

Barbara J. Veale, Chair

10th Annual A. D. Latornell Conservation Symposium Steering Committee



# PROGRAM AT A GLANCE

## day 1 Wednesday, November 12

### 8:30 am - 1:00 pm REGISTRATION

### 10:00 am - 10:30 am WELCOMING REMARKS

Barbara Veale, Chair, A.D. Latornell Symposium  
Peter Krause, Chair, Conservation Ontario  
Stewart Hilts, University of Guelph  
Provincial Representative  
Richard D. Hunter, Conservation Ontario  
(Master of Ceremonies)

### 10:30 am - 12:00 pm PLENARY SESSION

#### Keynote Speakers:

- John Riley, Nature Conservancy of Canada – *“A Decade of Changes in Ontario Conservation”*
- Ron Foerster, formerly Commission Counsel to the Walkerton Inquiry – *“On the Edge: An Assessment of Ontario’s Response to the Walkerton Inquiry Source Protection Recommendations”*

### 12:00 pm - 1:15 pm LUNCHEON

#### Keynote Speaker:

- Jeffrey K. Griffiths, Tufts University of Medicine, Boston, MA – *“Why are we Protecting the Water Source? The Public Health Connection”*

### 1:30 pm - 3:00 pm CONCURRENT SESSIONS

- W1A** Risk Based Source Water Protection I
- W1B** The Science of Natural Heritage Planning
- W1C** The Balancing Act: Water Budgeting
- W1D** Clearing the Air
- W1E** Bringing Watersheds to Life
- W1F** Conservation Authorities and IT Collaboration: Who needs it? Part I
- W1G** Leadership and Conservation: Challenges and Opportunities

### 3:00 pm - 3:30 pm REFRESHMENT BREAK

### 3:30 pm - 5:00 pm CONCURRENT SESSIONS

- W2A** Risk Based Source Water Protection II
- W2B** Protecting Both Form & Function: Asking the Right Questions
- W2C** New Research and Water Use Practices
- W2D** Brownfields: Redeeming an Asset
- W2E** Fostering An Early Environmental Ethic
- W2F** Conservation Authorities and IT Collaboration: Who needs it? Part 2
- W2G** Young Professionals Forum: “The Leading Edge”

### 5:30 pm - 7:00 pm EXHIBIT GALLERY WINE & CHEESE RECEPTION – PASSPORT EVENING

► **Featuring:** *“The Donegal Fiddlers”* Scottish, Irish and Pop Music played with precision

### 7:00 pm - 9:00 pm HARVEST BANQUET

**A.D. Latornell Awards of Merit** – Presented by the Ontario Chapter of the Soil and Water Conservation Society

#### Keynote Speaker:

- Gord Miller, Environmental Commissioner of Ontario – *“Thinking Beyond the Near and Now”*

### 9:00 pm - 11:00 pm HOSPITALITY SUITE

**Hosts:** Conservation Ontario & University of Guelph

## day 2 Thursday, November 13

### 8:00 am - 1:00 pm REGISTRATION

### 8:30 am - 10:00 am CONCURRENT SESSIONS

- T1A** Development of a Water Quality Model for Nutrient Management
- T1B** Natural Heritage Planning – Applications
- T1C** Groundwater Studies Program I (Overview)
- T1D** Integrating the Integral – The Case for Reconnecting with Our Environment
- T1E** Reconnecting Fragmented Watercourses
- T1F** Finally – A Marketing Plan that Works
- T1G** Resource & Scientific Information for Farmers

### 10:00 am - 10:30 am REFRESHMENT BREAK

## 10:30 am - 12:00 pm CONCURRENT SESSIONS

- T2A** Assessing Source Protection Planning Information Availability
- T2B** Natural Heritage Planning at the Watershed Scale
- T2C** Future directions in Groundwater Management
- T2D** The Urban Forest: Not Just Another Pretty Space
- T2E** Intermittent Watercourses and Fish Habitat
- T2F** Just Add Water: Building a Water Festival to Support Source Protection
- T2G** Agricultural Water Use: Irrigation

## 12:00 pm - 1:45 pm CONSERVATION PIONEER LUNCHEON

### ► Presentation of the Pioneer Conservation Awards

Jim Anderson, Ducks Unlimited Canada  
(Master of Ceremonies)

## 2:00 pm - 3:30 pm CONCURRENT SESSIONS

- T3A** Source Protection and Municipal Water Works
- T3B** Oak Ridges Moraine: A Year Later
- T3C** Wells
- T3D** Surface Water Quality
- T3E** First Nations Natural Resources Forum
- T3F** Meaningful Consultation: The Search for the Holy Grail
- T3G** New Directions in Agri-Environmental Policy

## 3:30 pm - 4:00 pm REFRESHMENT BREAK

## 4:00 pm - 5:30 pm CONCURRENT SESSIONS AND WORKSHOPS

- T4A** Meaningful Multi-stakeholder Consultation
- T4B** Expert Panel on Sustainable Water Well Infrastructure
- T4C** West Nile Virus: What's the Buzz?
- T4D** Determining Natural Hazards and Appropriate Management
- T4E** Creating Organizational Knowledge on a Watershed Basis
- T4F** Natural Channel Design and Stream Corridor Management
- T4G** Refining Ontario's Watershed Boundaries
- T4H** Great Lakes Shoreline Management Program
- T4I** Putting Wetlands on the Map
- T4J** Ontario's NHIC Discovery Tour
- T4K** Natural Heritage Conservation Open Forum
- T4L** Farmland Preservation
- T4M** Hike Along the Nottawasaga River

## 5:30 pm - 6:30 pm OPENING OF DREAM AUCTION

## 6:30 pm - 10:00 pm ANNIVERSARY GALA BANQUET (Semi-formal) & DREAM AUCTION



**Entertainment:** Lorne Elliott, Host of the popular CBC Radio program *"Madly Off In All Directions"*

**day 3** Friday, November 14

### ► 7:00 am Breakfast with the Minister of the Environment **LEONA DOMBROWSKY** in the Conservation Dome

## 8:30 am - 10:00 am CONCURRENT SESSIONS

- F1A** Planning Together for Source Protection
- F1B** Natural Heritage Inventories: From Pioneers to Practitioners
- F1C** Surface Water and Groundwater Interaction
- F1D** Water: Public or Private?
- F1E** Climate Change and Its Implications on Conservation
- F1F** Visitor Statistics for Conservation Authorities
- F1G** Landowner Attitudes Toward Conservation I

## 10:00 am - 10:30 am REFRESHMENT BREAK

## 10:30 am - 12:00 pm CONCURRENT SESSIONS

- F2A** Source Water Protection in a Watershed Context
- F2B** Monitoring Natural Heritage Systems
- F2C** Permit to Take Water Pilot Project
- F2D** Sustainable Transportation
- F2E** Climate Change: Risk Management
- F2F** Protecting Natural Areas – Balancing Visitors and Nature
- F2G** Rural Landowner Attitudes Toward Conservation II

## 12:00 pm - 2:00 pm LUNCHEON / WRAP-UP PLENARY SESSION

### Keynote Speakers:

- Mario Belvedere, CAO, Town of Milton – *"Eco-Tech Village Project... Making Choices Toward Sustainability"*
- Bryan Howard, former Conservation Authority General Manager 1969-1985 – *"Reflections on Art Latornell"*





## A tribute to Art Latornell

As a child of the Depression and World War II, Arthur D. Latornell remained on his family farm near Meaford, Ontario until he was able to enter the Ontario Agriculture College in 1946 at the age of 23. He graduated from the OAC in 1950 and for two years was employed by the Department of Agriculture as a fruit and vegetable inspector.

Art was always a keen student, so he made a decision to enroll at Michigan State University for a Master's degree in agricultural extension. In 1953, Art returned to Ontario and was hired as a Field Officer with the Conservation Branch of the Department of Planning and Development. Thus began Art's storied and influential career with Ontario's conservation authorities program, which spanned 24 years. Art was known and respected throughout the Province and indeed internationally, as a forward thinker and respected conservationist. In 1977, Art became Deputy Regional Director with the Ministry of Natural Resources, a position he held until 1988, when he retired, culminating a career in public service in excess of 35 years.

Despite Art's numerous professional achievements, many would argue that Art had his greatest impact through his influence and teaching of students and colleagues. At the time of his death in 1991, Art had acquired an estate of greater than two million dollars, primarily through a partnership in a major Ontario sod company. Art made a bequest of the majority of that estate to the University of Guelph, where it generates up to \$125,000 annually.



Art Latornell planting a tree at the Toronto Region Conservation Authority Headquarters.

### Arthur D. Latornell stated:

*"It is my wish that the fund to be used to assist young people in their learning endeavors related to natural resource activities. In particular, I would wish that this fund would be used to assist young people in obtaining a University education, whether or not such education leads to a University degree, to enable students to attend conferences or courses offered by educational institutions or groups associated with the University of Guelph and to enable the student exchanges and similar educational programs related to natural resources."*



The Arthur Douglas Latornell Endowment Fund currently supports the Annual Latornell Symposium; Latornell Field College; Latornell Scholarships; Latornell Travel Awards; Latornell Continuing Education Grants; Latornell Visiting Lecturers.

Thousands of students continue to benefit from Art Latornell's generous gift!

More information on Art Latornell's career and life refer to **ARTHUR DOUGLAS LATORNELL – A Biography, by Andrea Booth, 1998.**



The A.D. Latornell logo is composed of images which are intended to represent significant aspects of Arthur Latornell's life. 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 other – a key strength of Arthur Latornell's, and one of his fundamental goals.

# PROGRAM DETAILS 2003



day 1

*Wednesday, November 12 (Conservation Dome)*

10:00 am - 10:30 am

## WELCOME & INTRODUCTIONS

Barbara Veale, Chair, Latornell Conservation Symposium Steering Committee

Peter Krause, Chair, Conservation Ontario

Stewart Hilts, Centre for Land and Water Stewardship (University of Guelph)

Richard D. Hunter, Conservation Ontario (Master of Ceremonies)

10:30 am - 12:00 pm

## PLENARY SESSION

### Keynote Speakers:



John Riley

John Riley, Nature Conservancy of Canada – *“A Decade of Changes in Ontario Conservation”*



Ron Foerster

Ron Foerster, formerly Commission Counsel to the Walkerton Inquiry – *“On the Edge: An Assessment of Ontario’s Response to the Walkerton Inquiry Source Protection Recommendations”*

12:00 pm - 1:30 pm LUNCHEON BANQUET

### Keynote Speakers:



Jeffrey K. Griffiths

Jeffrey K. Griffiths Tufts University School of Medicine, Boston, MA – *“Why are we Protecting Source Water? The Public Health Connection”*

*Thank you to our Speakers!*

### Gildale Wetlands:

*The Gildale Wetland is located in the headwaters of the South Saugeen River, a major tributary of the Saugeen River. It is a total of 1,041 hectares (2,573 acres) in size. Designated as a Class I wetland, this area is home to both regionally and provincially significant species.*

Each year, a charitable donation is made by the A.D. Latornell Conservation Symposium on behalf of the many speakers who provide such an enriching experience for participants. 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 10th Anniversary, we are pleased to make a \$3,000 donation to Saugeen Conservation to assist them in purchasing sensitive lands in the headwaters of the Saugeen River watershed system. These source waters flow through numerous communities including the Town of Walkerton, before reaching the shores of Lake Huron.

day 1

1:30 pm - 3:00 pm

\* Session Moderator

W1A

**WATERSHED MANAGEMENT**  
 \* *Hugh Simpson*  
 Room 15

**Risk Based Source Water Protection I**

The Walkerton Inquiry identified the importance of risk-based source protection for groundwater and surface water. This session provides an overview of potential threats to groundwater, and discusses some examples of how these threats are currently being addressed in Ontario.

*"Introductory Comments"*  
 Ian Smith, Ministry of the Environment

*"Overview of Threats to Groundwater Sources"* Dave Rudolph, University of Waterloo

*"A Land Use and Chemical Occurrence Inventory in the Region of Peel"*  
 Peter Nimrichter, AMEC Earth and Environmental

*"Groundwater Protection Through the Development Process"* Eric Hodgins, Waterloo Region

W1B

**NATURAL HERITAGE**  
 \* *Rob Dykstra*  
 Room 16

**The Science of Natural Heritage Planning - Concepts/Principles & Theory**

Canada and Ontario have been pioneers in the classification of landscapes and development of the science of landscape ecology and conservation biology. Through a series of presentations from well respected researchers and practitioners this session will highlight our leading role, the development of key concepts and principles and how they can assist us in our planning for natural heritage.

*"The Tradition of Land Classification in Canada and Ontario"* Mike Moss, University of Guelph

*"The Ecological Land Classification in Ontario - Its Application at Various Scales"* Bill Crins, Ministry of Natural Resources

*"Principles/Concepts and Applications in Landscape Ecology for Natural Heritage Planning"* Kathryn Lindsay, Canadian Wildlife Service

"

W1C

**WATER**  
 \* *Leith Deacon*  
 Room 10

**The Balancing Act: Water Budgeting**

Part II of the Walkerton Report recommends the preparation of source protection plans based on watersheds and water budget analysis. Preliminary water budget projects have been ongoing in the Grand and Credit Watersheds. The *Oak Ridges Moraine Act* requires the development of water budgets by municipalities. A water availability study has also been completed for Big Creek in the Long Point Region Conservation Authority related to rural irrigation needs.

*"Balancing Water Availability on the Oak Ridges Moraine"* Steve Holys, Halton Region Conservation Authority

*"Water Budget Analysis Results in a Controlled Watershed: Grand River"* Dwight Boyd, Grand River Conservation Authority

*"Water Budget Analysis Results in an Uncontrolled Watershed: Credit Valley"* Hazel Breton, Credit Valley Conservation

*"Balancing Water Demands for the Big Creek Watershed"* Jim Oliver, Long Point Region Conservation Authority

 3:00 pm - 3:30 pm  
**BREAK**

W2A

**WATERSHED MANAGEMENT**  
 \* *Hugh Simpson*  
 Room 15

**Risk Based Source Water Protection II**

The Walkerton Inquiry identified the importance of risk based source protection for groundwater and surface water. This session provides an overview of potential threats to surface water, some examples of how surface water threats are currently being addressed in Ontario, and how groundwater and surface water protection can be brought into a risk based approach.

*"Overview of Threats to Surface Water Sources"* Sandra Cooke, Grand River Conservation Authority

*"Grading the Watershed - Developing a Watershed Report Card"*  
 Ted Briggs, Upper Thames River Conservation Authority

*"Toward a Risk-based Approach"*  
 Ron Pushchak, Ryerson University

W2B

**NATURAL HERITAGE**  
 \* *Rob Dykstra*  
 Room 16

**Protecting Both Form & Function: Asking the Right Questions**

The phrase "Islands of Green" was used to describe our earlier approach to natural heritage protection. This session will help us to look beyond the boundary of a single patch of habitat and to consider an integrated landscape approach to the planning for natural heritage.

*"How Much Cover Is Enough?"*  
 Tom Nudds, University of Guelph

*"Issues of Connectivity and Management of the Matrix"* Ken Towle, Ganaraska Region and Kawartha Conservation Authorities

*"The Role of Wetlands and Other Natural Heritage Features in Regulating Water Quantity"* Angus Norman, Ministry of Natural Resources

W2C

**WATER**  
 \* *Leith Deacon*  
 Room 10

**New Research and Water Use Practices**

The water use work group is gathering the latest water use estimates as they relate to withdrawals, in-stream uses, inter-basin diversion and consumptive uses for municipal, industrial, agriculture, thermal and hydro-power sectors.

*"Federal Perspective"* Wendy Leger, Environment Canada

*"New Directions for Ontario's Permit To Take Water Program"* Steve Maude, Ministry of the Environment

*"Provincial Low Water Response"*  
 Ian Cameron, Ministry of Natural Resources

 3:30 pm - 5:00 pm  
 \* Session Moderator


Gord Miller

5:30 pm - 7:00 pm

7:00 pm - 9:00 pm

9:00 pm - 11:00 pm

**EXHIBIT GALLERY WINE & CHEESE RECEPTION – PASSPORT EVENING**

**HARVEST BANQUET – A.D. Latornell Awards of Merit – Presented by the Ontario Conservation Dome**  
 Keynote Speaker: Gord Miller, Environmental Commissioner

**HOSPITALITY SUITE – Hosts: Conservation Ontario and University of Guelph**



**W1D** **SUSTAINABILITY IN ACTION**  
 \* *Hayley Berlin*  
 Room 11

**Clearing the Air**

This session will provide an understanding of the present state of our air regionally, provincially and globally, and explore initiatives which propel us towards the benefits of better air quality.

*"The Science of Air Quality Monitoring in Ontario"* David Yap, Ministry of the Environment

*"Local Air Quality Initiatives"*  
 Brenda Sakauye, City of Mississauga

*"A Global Perspective"* Rob Kerr,  
 International Council for Local Environmental Initiatives

**W1E** **EFFECTIVE METHODS FOR OUTDOOR EDUCATION**  
 \* *Katie Nasswetter*  
 Room 4

**Bringing Watersheds to Life**

Who says sewage and eighth-graders don't mix? We'll highlight our curriculum-based watershed program designed by the Grand River Conservation Authority (GRCA). The group will follow an eighth-grade presentation as they experience a river talk, a wastewater treatment tour and a dam tour. We will discuss the partnerships with local school boards and the municipal staff, and issues surrounding population growth. We will also present an overview of the GRCA's educational program with a focus on the program based out of the Guelph Lake Nature Centre.

Dan Schneider, Greg Meredith,  
 Grand River Conservation Authority

**W1F** **INFORMATION TECHNOLOGY**  
 \* *Paige Agnew*  
 Room 5

**Workshop: Conservation Authorities and IT Collaboration – Who Needs It? Part 1: The Theory**

Two sessions will be used to discuss all the implications of collaborating on IT issues. Topics to be discussed include data acquisition and dissemination, data formats, metadata, standards and applications. Collaboration also includes concepts (sharing ideas), design (sharing models) and implementation (sharing databases or programs).

*"Introduction: Why Collaboration?"*  
 Phil Lenoir, Grand River Conservation Authority

*"The Small Conservation Authority Perspective"* Tina DesRoches, Nottawasaga Valley Conservation Authority

*"Data Standards"* Graham Smith,  
 Grand River Conservation Authority

*"Working With Partners"* Zoë Green,  
 Grand River Conservation Authority

**Participants are asked to attend both sessions**

**W1G** **LEADERSHIP AND CAPACITY BUILDING**  
 \* *Jessica Brooks*  
 Room 6

**Leadership and Conservation: Challenges and Opportunities for Professional Development Possibilities**

This session explores how to deal creatively with the current squeeze on staff complements being faced at a number of environmental and nonprofit organizations.

*"Tool Kit For Organizations"*  
 Paul Bubelis, Sustainability Network

*"Leadership Models to Deal with Change, Stability and Renewal"* Michael Cox,  
 Centre for Leadership Studies,  
 University of Guelph

**W2D** **SUSTAINABILITY IN ACTION**  
 \* *Hayley Berlin*  
 Room 11

**Brownfields: Redeeming an Asset**

*"Ontario's New Regulations"* Chris Lombart,  
 Ministry of the Environment

*"Unlocking Potential"* Thelma Gee,  
 Ministry of Municipal Affairs and Housing

*"Abilities and Liabilities"* Sharon Crowe,  
 Willms & Shier Environmental Lawyers

Marguerite Ceschi-Smith, Chair,  
 Brownfield Committee, Federation of Canadian Municipalities

*"The NRTEE Brownfield Development Strategy"* Angus Ross, National Roundtable on Environment and Economy

**W2E** **EFFECTIVE METHODS FOR OUTDOOR EDUCATION**  
 \* *Katie Nasswetter*  
 Room 4

**Fostering An Early Environmental Ethic**

*"Green Camps"* Karen Mortimer, Upper Thames River Conservation Authority

This session highlights a project that provides residential summer camps with information that will help them operate their camps in an environmentally friendly manner. A package has been developed with four fact sheets dealing with Energy, Water, Waste and Green-Space, a poster and games and activities.

*"Fish Curriculum"* Joanna John, Upper Thames River Conservation Authority

A program has been produced with funding support from Fisheries and Oceans Canada. This integrated unit focuses on aquatic habitat and covers all the expectations of the Life Systems strand of the Ontario curriculum. Join us for an overview of the unit, participate in several activities as well as a discussion on how this unit may be adapted for school boards in your region.

**W2F** **INFORMATION TECHNOLOGY**  
 \* *Paige Agnew*  
 Room 5

**Workshop: Conservation Authorities and IT Collaboration – Who Needs It? Part 2: The Practice**

This is the second part of a two-part workshop examining IT Collaboration among conservation authorities. This session will provide a summary of the previous session with facilitated breakout groups chaired by the previous session's speakers.

**Participants are asked to attend both sessions**

**W2G** **LEADERSHIP AND CAPACITY BUILDING**  
 \* *Jessica Brooks*  
 Room 6

**Young Professionals Forum: Follow-up and Discussion of National Event "The Leading Edge" by Ontario Young Professional Participants**

Come and be a part of the development of a provincial node of young professionals in a national network.

This session will provide a follow up to 'The Leading Edge: Stewardship & Conservation in Canada' conference held July 2003 in Victoria, BC

Melissa Watkins, Jessica Brooks,  
 University of Guelph

Amy Seabrooke, Wildlife Habitat Canada

**Featuring: "The Donegal Fiddlers" Scottish, Irish and Pop Music played with precision**

**Chapter of the Soil and Water Conservation Society of Ontario – "Thinking Beyond the Near and Now"**



# Nottawasaga Inn Floor Plan

## for the A.D. Latornell Symposium

### Main Floor



### Convention Centre (lower level)



★ Refreshment Station





SESSION	ROOM	MODERATOR
WIA	15	HUGH SIMPSON
WIB	16	ROB DYKSTRA
WIC	10	LEITH DEACON
WID	11	HAYLEY BERLIN
WIE	4	KATIE NASSWETTER
WIF	5	PAIGE AGNEW
WIG	6	JESSICA BROOKS
W2A	15	HUGH SIMPSON
W2B	16	ROB DYKSTRA
W2C	10	LEITH DEACON
W2D	11	HAYLEY BERLIN
W2E	4	KATIE NASSWETTER
W2F	5	PAIGE AGNEW
W2G	6	JESSICA BROOKS
TIA	15	PAIGE AGNEW
TIB	1-2-3	ROB DYKSTRA
TIC	BELVISTA	JANE GURNEY
TID	BELMONT	BRONWYNNE WILTON
TIE	16	JESSICA PATERSON
TIF	4	HAYLEY BERLIN
TIG	5	JENNIFER KIRKNESS
T2A	15	PAIGE AGNEW
T2B	1-2-3	ROB DYKSTRA
T2C	BELVISTA	JANE GURNEY
T2D	BELMONT	BRONWYNNE WILTON
T2E	16	JESSICA PATERSON
T2F	4	HAYLEY BERLIN
T2G	5	JENNIFER KIRKNESS
T3A	15	LEITH DEACON
T3B	1-2-3	MELISSA WATKINS
T3C	BELVISTA	KEVIN TUPMAN
T3D	BELMONT	BRONWYNNE WILTON
T3E	18	JENNIFER KIRKNESS
T3F	4	JESSICA BROOKS
T3G	5	JULIE CAYLEY
T4A	BELVISTA	CHARLIE WORTE
T4B	10	DAN McGILLVRAY
T4C	19	KEVIN TUPMAN
T4D	6	JUDY SULLIVAN
T4E	18	SARAH MICHAELS
T4F	BELMONT	JOHN PARISH
T4G	5	FRANK KENNY
T4H	4	PATRICK LAWRENCE
T4I	11	MAGGIE GALLOWAY
T4J	CONSERVATION DOME	
T4K	10A	MIKE PUDDISTER
T4L	353	SUSAN CAREY
T4M	MAIN LOBBY	FRED TUSTIN
F1	16	LEITH DEACON
F1B	4	KATIE NASSWETTER
F1	15	JESSICA PATERSON
F1D	11	MELISSA WATKINS
F1E	10A	JANE GURNEY
F1F	5	KEVIN TUPMAN
F1G	6	STEW HILTS
F2A	16	JENNIFER KIRKNESS
F2B	4	KATIE NASSWETTER
F2C	15	JESSICA PATERSON
F2D	11	MELISSA WATKINS
F2E	10A	JANE GURNEY
F2F	5	KEVIN TUPMAN
F2G	6	STEW HILTS



day  
2

T1A

**WATERSHED MANAGEMENT**  
 \* Paige Agnew  
 Room 15

T1B

**NATURAL HERITAGE**  
 \* Rob Dykstra  
 Room 1-2-3

T1C

**WATER**  
 \* Jane Gurney  
 Room Bel Vista

8:30 am - 10:00 am

\* Session Moderator

**Development of a Water Quality Model for Nutrient Management**

This session reviews a pilot project that involves the development of a surface water quality computer model. The model is intended to accurately estimate nutrient loading in a watershed or subwatershed from non-point diffuse sources and predict changes associated with the implementation of best management practices. The model will be calibrated and tested on three subwatersheds, Nottawasaga Valley and Kawartha Lakes watersheds.

*"Development of a Water Quality Model for Nutrient Management and Model Selection: A Comparison of Three Short-listed Modelling Packages"*  
 Mike Walters, Lake Simcoe Region Conservation Authority

*"Preliminary Results of the Preferred Model"* Mark Palmer, Greenland International Consulting Inc.

**Natural Heritage Planning Applications: Regions, Landscapes & Stewardship**

Beginning with the broad scale, this session looks at the application of the principles of landscape ecology and conservation biology. Big picture thinking allows us to strategically place our initiatives within the context of the greater ecosystem.

*"Promoting Landscape Connectivity in the Algonquin to Adirondack (A2A) Region Through Municipal Planning: The Greater Park Ecosystem Mapping Project"*  
 Jean Langlois, Canadian Parks and Wilderness Society, Ottawa Valley Chapter

*"The NOAH Project: A Vision for Renewal"* Natalie Helferty, Public Spaces Appreciation Association

*"Progress Reports on the Big Picture 2002 Project, Great Lakes Conservation Blue Print Project"* Kara Brodribb, Nature Conservancy of Canada; Mike McMurtry, Ministry of Natural Resources

**Groundwater Studies Program I (Overview)**

Since 1999, the Ministry of the Environment has assisted municipalities and conservation authorities across the province in gathering information on their groundwater resources (vulnerable aquifers, wellhead areas and potential sources of contamination) by providing over \$19M in funding.

*"Overview"* Brent Taylor, Ministry of the Environment

*"Mississippi Valley Groundwater Study"*  
 Paul Lehman, Mississippi Valley Conservation

*"Overview of the Norfolk Groundwater Study"* Bill Banks, Waterloo Hydrogeologic Inc.

*"Village of Hensall Wellhead Protection Pilot Study"* Scott Tousaw, Huron County

10:00 am - 10:30 am  
BREAK

T2A

**WATERSHED MANAGEMENT**  
 \* Paige Agnew  
 Room 15

T2B

**NATURAL HERITAGE**  
 \* Rob Dykstra  
 Room 1-2-3

T2C

**WATER**  
 \* Jane Gurney  
 Room Bel Vista
10:30 am - 12:00 pm  
\* Session Moderator
**Assessing Source Protection Planning Information Availability and Requirements**

As Conservation Authorities begin formal source water protection planning, it is important for them to have access to adequate watershed information and staff resources. This session examines a pilot project that assesses how much information will be required and the Water Resources Information Project that is quickly becoming an important source of information for watershed practitioners.

*"Ministry of Natural Resources/Ministry of the Environment Pilot Project: Source Protection Planning in Rural Ontario: How Much Data is Available? How Much is Enough?"*  
 Glenda Rodgers, Lower Trent Conservation Authority; Mark Peacock, Ganaraska Region Conservation Authority; Ken Phillips, Crowe Valley Conservation Authority

*"Water Resources Information Project IV (WRIP IV)"* Ian Wilcox, Upper Thames River Conservation Authority; Scott Christilaw, Ministry of Natural Resources

**Natural Heritage Planning Applications at the Watershed Scale**

The watershed can form an effective scale for the integrated analysis of terrestrial and aquatic ecosystems. This session will highlight several applications of the "watershed approach" to natural heritage protection and restoration.

*"Healthy Wetlands for the Upper Grand Project"* Mike Williams, Ducks Unlimited Canada

*"The End of the Beginning: Strategy for a Targeted Natural Heritage System"*  
 Scott Jones, Natalie Ivanycki, Lionel Normand; Toronto and Region Conservation Authority

*"Watershed Recovery Efforts for Species at Risk (The Grand, Ausable and Sydenham Recovery Plans)"* Al Dextrase, Ministry of Natural Resources

**Future Directions in Groundwater Management**

The groundwater studies are providing information on aquifers, wellheads and sources of contamination. Communities are using this information to help manage groundwater issues that are of particular concern to their area.

*"Local Implementation of Groundwater Source Protection in Ontario: Role of the Provincial Water Protection Fund Groundwater Studies"* Rob de Loë, Reid Kreutzwiser, University of Guelph

*"The Moraine Coalition"* Steve Holys, Halton Region Conservation Authority

*"Merrickville/Wolford Well Discovery"*  
 Heather Wilson, Well Aware



Jim Anderson

**CONSERVATION PIONEER LUNCHEON (Conservation Dome) – Jim Anderson, Ducks Unlimited Canada (Master of Ceremonies)**
**Presentation of the Pioneer Conservation Awards**


12:00 pm – 1:45 pm

**T1D** **SUSTAINABILITY IN ACTION**  
\* Bronwynne Wilton  
Room Belmont

**T1E** **FISHERIES**  
\* Jessica Paterson  
Room 16

**T1F** **COMMUNICATIONS**  
\* Hayley Berlin  
Room 4

**T1G** **AGRICULTURE**  
\* Jennifer Kirkness  
Room 5

**Integrating the Integral - The Case for Reconnecting with Our Environment**

What really makes us healthy might surprise you. This session opens with the latest research into the determinants of health and highlights attempts to mobilize various community resources in the pursuit of improved urban health. An interactive panel discussion follows.

*"Determinants of Health"*  
Kathi Wilson, University of Toronto

*"Academic Resources for Municipal Planning"* Barb Murck, University of Toronto

*"Environmental Agencies and Community Partnerships"* Paula Decoit, Social Planning Council of Peel

**Reconnecting Fragmented Watercourses**

Restoring waterways to a more natural state is a direction being taken by many groups. As well as a provincial overview on dam removal, this session includes a watershed perspective and a case study on a Nottawasaga Valley Conservation Authority project.

*"Dam Removal and the Fisheries Act"*  
Derrick Beach, Fisheries and Oceans Canada

*"Provincial Overview of Dam Removal in Ontario"* Mark Heaton, Ministry of Natural Resources

*"Restoring Fish Migration to the Niagara River Watershed"* Dan McDonnell, Niagara River Restoration Council

*"Dam Removal and River Channel Restoration Cases from the Nottawasaga Valley Conservation Authority"*  
Fred Dobbs, Nottawasaga Valley Conservation Authority

**Finally - A Marketing Plan that Works**

This session will provide participants with a practical review of marketing and communications basics. Take home a plan that will help you to create value.

Fred Galloway, Galloway and Associates

**Resource & Scientific Information for Farmers**

Justice O'Connor identified the important role that resource and scientific information has played in assisting farmers to implement environmentally-responsible agricultural practices. This session provides an overview of the theory and practice of technology transfer, an example of a successful tool developed for nutrient management planning, and a case-study of how resource and scientific information can be provided to landowners.

*"Technology Transfer to the Rural Community: Theory and Practice"*  
Ted Taylor, Ontario Ministry of Agriculture and Food

*"NMAN: A Nitrogen Management Planning Tool"* Don Hilborn, Ontario Ministry of Agriculture and Food

*"Source Protection Information for Rural Landowners"* Rick Steele, Maitland Valley Conservation Authority

**T2D** **SUSTAINABILITY IN ACTION**  
\* Bronwynne Wilton  
Room Belmont

**T2E** **FISHERIES**  
\* Jessica Paterson  
Room 16

**T2F** **COMMUNICATIONS**  
\* Hayley Berlin  
Room 4

**T2G** **AGRICULTURE**  
\* Jennifer Kirkness  
Room 5

**The Urban Forest: Not Just Another Pretty Space**

Trees form a critical component of the urban landscape by providing a wide variety of, and now quantifiable contributions to, social, economic and environmental health. The contribution of the urban forest and the stresses on this community asset are explored.

*"Exploring the Opportunities and the Challenges Facing the Urban Forest"*  
Tony Fleischmann, City of Mississauga, Ontario Chapter International Society of Arboriculture

**Intermittent Watercourses and Fish Habitat: An Urban and Rural Drainage Perspective**

The hydrological and ecological contribution of intermittent watercourses has been the subject of much debate lately with respect to fish habitat and agricultural and municipal drainage. This session explores the hydrological and ecological function of intermittent watercourses, the development pressures threatening these watercourses, and challenges faced in protecting them.

*"The Hydrologic Function of Intermittent Watercourses"* John Parish, Parish Geomorphic

*"The Fisheries Contribution of Intermittent Watercourses"* George Coker, C. Portt & Associates

*"Role of the Fisheries Act: Intermittent Watercourses and Watershed Planning"*  
Ed DeBruyn, Fisheries and Oceans Canada

**Just Add Water: Building a Water Festival to Support Source Protection**

Best described as a giant outdoor science centre focusing on water issues, water festivals are a unique educational event for students. Currently there are only 8 festivals in Canada. Learn what is involved in bringing this environmental event to your community and how the Children's Water Education Council can assist you.

Susan Reid, Children's Water Education Council

**Agricultural Water Use: Irrigation**

Recent low precipitation events, and the longer-term concerns about climate change, has focussed attention on the need to develop innovative methods to conserve water. This session provides a discussion of innovative irrigation technology, some experiences from a successful low water response team process, and a case-study of a creative pilot project to reduce water use.

*"Technological Innovation in Irrigation"*  
Rebecca Shortt, Ontario Ministry of Agriculture and Food

*"Agricultural Perspective"*  
André and Diane Meulemeester, Ontario Federation of Agriculture

*"Big Creek Irrigation Peer Review and Assistance Project Norfolk Pilot"*  
Jim Oliver, Long Point Region Conservation Authority



day 2

T3A

### WATERSHED MANAGEMENT

\* Leith Deacon  
Room 15

T3B

### NATURAL HERITAGE

\* Melissa Watkins  
Room 1-2-3

T3C

### WATER

\* Kevin Tupman  
Room Belvista

2:00 pm - 3:30 pm

\* Session Moderator

4:00 pm - 5:30 pm

### CONCURRENT SESSIONS & WORKSHOPS

T4A

\* Charlie Worte  
Room Belvista

### Multi stakeholder Perspectives on Meaningful Consultation for Local Source Protection Planning - Panel Discussion

Conservation Ontario will be facilitating a panel presentation and discussion about how to solicit meaningful consultation with stakeholders in preparation for source protection planning. The panel will be made up of representatives from a variety of stakeholder groups.

Theresa McClenaghan, Canadian Environmental Law Association

Betty Semeniuk, Ontario Federation of Agriculture

Sally Gillis, Federation of Ontario Cottagers Association

Pat Smith, The Ontario Rural Council

\* Dan McGillvray  
Room 10

### Expert Panel on Sustainable Water Well Infrastructure: Findings & Recommendations

At the request of Ministry of the Environment, CRESTech (Centre for Research in Earth and Space Technology) is developing innovative approaches to improve and extend the life of water wells. Part of this assignment involves the creation of an expert panel to evaluate the state of the province's water well infrastructure. This session will involve an interactive discussion with Expert Panel members.

Dan McGillvray, CRESTech

Kent Novakowski, Queen's University

John Lebedin, Agriculture and Agri-Food Canada

Mark Knight, University of Waterloo

Brian Beatty, Beatty & Associates

Mary Jane Conboy, Ontario Federation of Agriculture

\* Kevin Tupman  
Room 19

### West Nile Virus: What's the Buzz?

"Mosquito Surveillance"  
Fiona Hunter, Brock University

"The Region of Peel's Experience"  
Howard Shapiro, Peel Region

"Bird Surveillance"  
Ian Barker, University of Guelph

"A Habitat Perspective"  
Brian Potter, Ministry of Natural Resources

\* Judy Sullivan  
Room 6

### Natural Hazards PPS

The Ministry of Natural Resources has recently updated the training manual and technical report on the Natural Hazards Provincial Policy Statement (PPS). This session will consist of an overview of the main components of the PPS and some hands-on work with several examples on determining various hazards and the appropriate management.

Judy Sullivan,  
Aqua Solutions

\* Sarah Michaels  
Room 18

### Creating Organizational Knowledge on a Watershed Basis

Knowledge-creating organizations define problems and develop new knowledge to solve problems. To do this they interact with their surroundings, reshape the context in which they function and make internal institutional adaptations. Learn more about the promises and pitfalls of applying organizational knowledge creation to watershed management related concerns including flood damage reduction, low water response and source water protection.

Sarah Michaels,  
Dan McCarthy,  
Darryl Finnigan, University of Waterloo

\* John Parish  
Room Belmont

### Natural Channel Design and Stream Corridor Management

Recently, the new adaptive management of stream corridors CD was released. This session will take the participant through the main features of the adaptive management approach with a particular emphasis on channel design.

John Parish,  
Parish Geomorphic

Ray Tufgar,  
TSH Associates

Jack Imhof,  
Trout Unlimited Canada

5:30 pm - 6:30 pm  
6:30 pm - 10:00 pm

### OPENING OF DREAM AUCTION (Conservation Dome - Cash Bar)

### ANNIVERSARY GALA BANQUET (Semi-formal) & DREAM AUCTION

ENTERTAINMENT: Lorne Elliott, Host of the popular CBC Radio program "Madly Off In All Directions"



**T3D** **SUSTAINABILITY IN ACTION**  
 \* Bronwynne Wilton  
 Room Belmont

**T3E** **NATURAL RESOURCES**  
 \* Jennifer Kirkness  
 Room 18

**T3F** **COMMUNICATIONS**  
 \* Jessica Brooks  
 Room 4

**T3G** **AGRICULTURE**  
 \* Julie Cayley  
 Room 5

**Surface Water Quality: Management of spills and stormwater are essential components of protecting surface water. An overview of Toronto's 100 year plan, Peels' industrial inspection program, and the provincial manual are features.**

"*Stormwater Manual Review*" Henry Jun, Ministry of the Environment

"*Toronto Region Wet Weather Flow*" Bill Snodgrass, Public Works City of Toronto

"*Peel Regions Approach to Spills and Stormwater Management*" Elaine Gilliland, Peel Region

**First Nations Natural Resources Forum**

The natural resource management challenges faced by aboriginal communities today call for working with various government agencies, non-government organizations and community groups in a cooperative approach. This session will address some of the approaches exercised by First Nations and will share some of their successes in participating in natural resource management.

"*We're Not Hunting on Your Farm... You're Hunting on Our Territory*" Paul General, David General, Six Nations Eco Centre

**Meaningful Consultation: The Search for the Holy Grail**

"*Constructive Engagement of Stakeholders in Cost Effective Consultation Processes*" Robb Ogilvie, Ogilvie & Associates

Most of us have either run public consultation processes and/or been involved in someone else's process. This session is about how to design, structure and run a public consultation process that is meaningful for the participants and cost effective for the sponsor.

This session is "peppered" with a wide variety of lifetime examples and illustrations from over 500 consultation processes Robb has designed and facilitated.

**New Directions in Agri-Environmental Policy**

The federal approach to agri-environmental policy is taking a new direction. This session showcases the key initiatives in this new direction, including federal and farm group perspectives on the new Agricultural Policy Framework, an overview of the forthcoming Greencover Program, and a profile of the next generation of the Environmental Farm Plan.

"*The Environmental 'Pillar' of the New Agricultural Policy Framework*" Mick Hicknell, Agriculture & Agri-Food Canada

"*The APF: A Farm Organization Perspective*" Greg Hannam, AGCare

"*Greencover Program*" Nancy Cherny, Agriculture & Agri-Food Canada

"*Environmental Farm Plan: The Next Generation*" Andy Graham, Ontario Soil and Crop Improvement Association

**T4G**  
 \* Frank Kenny  
 Room 5

**T4H**  
 \* Patrick Lawrence  
 Room 4

**T4I**  
 \* Maggie Galloway  
 Room 11

**T4J**  
 Conservation Dome

**T4K**  
 \* Mike Puddister  
 Room 10A

**T4L**  
 \* Susan Carey  
 Room 353

**T4M**  
 \* Fred Tustin  
 Main Lobby

**Refining Ontario's Watershed Boundaries**

In cooperation with conservation authorities, Ontario Ministry of Natural Resources completed a project in 2002 that identifies drainage patterns using GIS and ground truthed Digital Elevation Models to delineate watersheds. This session will outline the process for developing the watershed boundaries, point out differences from Conservation Authority boundaries and outline a process for moving forward.

Frank Kenny, WRIP

Ian Wilcox, Conservation Ontario

**Great Lakes Shoreline Management Program in Ontario**

The Coastal Zone Canada Association/ Great Lakes Coastal Network is sponsoring a special panel session examining the history, progress and future activities associated with the Great Lakes Shoreline Management Program in Ontario. Invited speakers from selected Conservation Authorities in Ontario will discuss aspects of the development of shoreline management plans and programs within their watershed jurisdictions.

Patrick Lawrence, University of Toledo

Stan Taylor, Essex Region Conservation Authority

Pat Donnelly, Lake Huron Coastal Conservation Centre

Gord Macpherson, Toronto and Region Conservation Authority

**Putting Wetlands on the Map**

An expert panel will discuss key wetland GIS mapping initiatives underway in Ontario. The panel will be followed by a facilitated discussion on wetlands information management: what do conservation organizations need from the Ministry of Natural Resources, and in what format?

Maggie Galloway, Joel Ingram, Environment Canada

Adam Hogg, Nicholas Stow, Silvia Strobl, Ministry of Natural Resources

**Ontario's NHIC Discovery Tour**

You are invited to discover the workings of Ontario's Conservation Data Centre. Through an interactive tour you can identify rare species, query web-based information and learn how the NHIC is working with conservation partners to track Ontario's biodiversity.

**Current Initiatives in Natural Heritage Conservation and Open Forum**

This interactive open forum will include brief updates on conservation initiatives such as Species at Risk, Conservation Authority Natural Heritage Discussion Groups and other exciting natural heritage initiatives from across Ontario.

Mike Puddister, Credit Valley Conservation Authority

Roxanne St. Martin, Gary Allen, Ministry of Natural Resources

Scott Sampson, Credit Valley Conservation

Rob Milne, Wilfrid Laurier University

**Farmland Preservation**

In this session, patterns of farmland loss in Southern Ontario will be reviewed, and the need for improved policies to protect farmland discussed. Policies used elsewhere will be highlighted, as well as efforts to establish an Ontario Farmland Trust.

Stewart Hilts, Wayne Caldwell, Bronwynne Wilton, Melissa Watkins and Jennifer Kirkness, Robert Dykstra, University of Guelph

**Hike Along The Nottawasaga River**

Enjoy the natural environment of the Nottawasaga River and learn how to identify macro-invertebrates. This still, along with the use of simple Biotic Index, will show how just about anyone could determine the water quality of any pond, lake, river or stream. You will receive a simple one page key to the common aquatic macro-invertebrates of North-Eastern North America.

Dan Schneider and Greg Meredith, Grand River Conservation Authority

Fred Tustin, Beyond the Horizon Outdoor Adventures Tiffin Centre for Conservation



F1A

**WATERSHED MANAGEMENT**  
 \* *Leith Deacon*  
 Room 16

8:30 am - 10:00 am

\* Session Moderator



Minister of the Environment  
**LEONA DOMBROWSKY**  
 in the  
 Conservation Dome

7:00 am

Breakfast with the

10:00 am - 10:30 am

**BREAK**

F1B

**NATURAL HERITAGE**  
 \* *Katie Nasswetter*  
 Room 4

**Planning Together for the Most Effective Source Protection: A Conservation Authority Perspective**

It is proposed that Conservation Authorities must work together within source protection planning areas and facilitate joint source protection planning with their municipalities and community on a watershed basis. The Lake Simcoe Region and Nottawasaga Valley Conservation Authorities have mapped out a joint approach to source protection planning in their shared planning area. This presentation will provide an overview of their proactive approach which combines staff resources and watershed information as well as highlights on the challenges and opportunities faced.

*"Joint Source Protection Planning in the Lake Simcoe Watershed"* Gayle Wood, Lake Simcoe Region Conservation Authority; Wayne Wilson, Nottawasaga Valley Conservation Authority

**Natural Heritage Inventories: An Evolution in Approach - From Pioneers To Practitioners**

The inventory and assessment of natural areas has been an effective means of documenting critical habitats within municipalities and supporting their planning process. From the early days of Haldimand-Norfolk study to the ongoing Halton inventory, these leading edge initiatives have not been without their challenges. These sessions will take us through the evolution of this work and the lessons learned.

*"The 1987 Haldimand-Norfolk Natural Areas Inventory - What Have We Learned?"* Jon McCracken, Bird Studies Canada

*"1993-2002: The Hamilton Natural Areas Inventory and Nature Counts: Partnerships and Implementation"* Paul Attack, Hamilton Field Naturalists; Cathy Plosz, City of Hamilton

*"2003 - 2004: Halton Natural Areas Inventory: How to Get Partners, How to Get Money, Whom to Hire, How to Get Municipal Buy-In"* Jill Dwyer, Halton Natural Areas Inventory

F1C

**WATER**  
 \* *Jessica Paterson*  
 Room 15

**Surface Water and Groundwater Interaction**

The movement of water from the surface to the ground water system and groundwater recharge of baseflow in streams is a relatively new science that is integral to watershed structure, composition and function.

*"Introduction"* Barbara Anderson, Ministry of the Environment

*"Groundwater Under Direct Influence"* Dan Dobrin, Jim Gehrels, Ministry of the Environment

*"Defining Minimum Baseflow to Maintain Ecologic Features and Functions"* Jack Imhof, Trout Unlimited Canada

*"Baseflow analysis and investigations - the Duffins Creek Experience"* Rick Gerber, University of Toronto

*"Groundwater and Surface Water - One Resource One Model"* Douglas Graham, DHI Water and Environment

F2A

**WATERSHED MANAGEMENT**  
 \* *Jennifer Kirkness*  
 Room 16

10:30 am - 12:00 pm

\* Session Moderator

F2B

**NATURAL HERITAGE**  
 \* *Katie Nasswetter*  
 Room 4

**Source Water Protection in a Watershed Context**

A review of results from a recently completed research project with the University of Guelph that focuses on both surface water and groundwater source protection.

Rob de Loë, Reid Kreutzwiser, Janet Ivey, University of Guelph

**Monitoring Natural Heritage Systems**

Measuring the effectiveness of our natural heritage planning is critical to adaptive environmental management. The science and practice of monitoring is very much in a state of evolution. This session will provide an update on the Provincial role and discuss examples at the municipal, watershed and habitat levels.

*"Performance Monitoring and Sustainable Development Practices Under the Provincial Policy Statement"* Jim Dougan, Dougan & Associates

*"Effects of Development on Nest Success of Forest Birds"* Dawn Burke, Ministry of Natural Resources

*"CVC's Terrestrial Watershed Monitoring Program and Preliminary Results"* Deanne Meadus, Credit Valley Conservation

F2C

**WATER**  
 \* *Jessica Paterson*  
 Room 15

**Permit to Take Water Pilot Project: Instream Flow Requirements**

The Ministry of the Environment/ Conservation Ontario Instream Flow Requirement pilot project is being carried out in three watersheds: Cataraqui, Grand River and Long Point Region. The project will address the need for a series of standardized approaches to setting threshold flows for surface waters in Ontario.

*"Provincial Context for the Pilot Project"* Joanne Di Maio, Ministry of the Environment

*"Instream Flow Requirements Technical Project Overview"* Dave Maunder, Aquafor Beech Limited

*"Overview of Instream Flow Methodologies"* Warren Yerex, Grand River Conservation Authority

*"Integrated Technical Approach for Three Pilot Watersheds in Ontario"* Bill Baskerville, Long Point Region Conservation Authority



**F1D**

## SUSTAINABILITY IN ACTION

\* *Melissa Watkins*  
Room 11

### Water: Public or Private?

*"Privatization of Municipal Water Services: An Overview of Issues"* Finn Poschmann, C.D. Howe Institute

*"Managing Drinking Water Systems: Essential Obligations Flowing from Walkerton"* Juli Abouchar, Willms & Shier Environmental Lawyers

*"Too Precious To Privatize – CUPE's Campaign for Public Ownership and Control of Water"* Brenda Wall, Canadian Union of Public Employees

**F1E**

## CLIMATE CHANGE

\* *Jane Gurney*  
Room 10A

### An Overview of the Science of Climate Change and Its Implications on Conservation

*"Climate Change: Implications for Conservation"* Daniel Scott, University of Waterloo

*"Climate Change and Source Protection"* Dave Pearson, Laurentian University

**F1F**

## PARKS MANAGEMENT

\* *Kevin Tupman*  
Room 5

### Visitor Statistics for Conservation Authorities in Ontario: Current Status and Methods

A survey conducted in 2002 showed that almost 6 million people visit Conservation Areas each year in Ontario. This session will provide an overview of the results of the survey and recommendations on how Conservation Authorities can cost effectively increase the efficiency of their data collection.

Eric Baldin, Toronto & Region Conservation Authority

**F1G**

## LANDOWNER PERSPECTIVES

\* *Stew Hilts*  
Room 6

### Exploring Landowner Attitudes Towards Conservation and Conservation Agencies - Part 1

Conservation of Ontario's natural heritage, wildlife and habitat resources depends on the interest & will of private landowners. This session will explore landowner attitudes towards conserving natural resources on their property.

*"Learning from Rural Landowners"* Stewart Hilts, Susan Mulley, Lee-Anne Milburn, University of Guelph

*"Results From A Series of Rural Landowners Focus Group Being Conducted by Ducks Unlimited"* Bob Clay, Ducks Unlimited Canada

*"Influence of Education, Types of Land Ownership, and Community Attitudes"* Ron Reid, Couchiching Conservancy

**F2D**

## SUSTAINABILITY IN ACTION

\* *Melissa Watkins*  
Room 11

### Sustainable Transportation

*"What Sustainable Transportation Will Mean for Conservation Authorities"* Richard Gilbert, Centre for Sustainable Transportation

*"Transportation Planning: A Municipal Perspective"* Bob Sasaki, City of Mississauga

**F2E**

## CLIMATE CHANGE

\* *Jane Gurney*  
Room 10A

### Climate Change: Risk Management

Overview of the various risks associated with climate change on resource management.

*"Water Management and Issues with Extreme Events"* Don Haley, Toronto Region Conservation Authority

*"Practical Implications"* Ellen Wall, University of Guelph

**F2F**

## PARKS MANAGEMENT

\* *Kevin Tupman*  
Room 5

### Protecting Natural Areas - Balancing Visitors and Nature

How do we balance the increasing need for access and conserve what attracts people to these natural places? Hiking, biking, camping, all terrain vehicles and snowmobiles all want access to the same areas. Is this multi-use or just misuse?

*"Bruce Peninsula National Park – Managing An Array of Habitats and Recreational Opportunities"* Ethan Meleg, Bruce Peninsula National Park & Fathom Five National Marine Park

*"Terra Cotta Conservation Area – From Intense Recreation To Naturalization"* Tim Wood, Credit Valley Conservation

**F2G**

## LANDOWNER PERSPECTIVES

\* *Stew Hilts*  
Room 6

### Rural Landowners Session 2 Exploring Landowner Attitudes Towards Conservation and Conservation Agencies - Part 2

A group of rural landowners will share their experiences and perceptions of conservation on their property and conservation agencies.

Gary Gardhouse, Brian Smith, Chris Bowes, Mark Ostrowski



Mario Belvedere



Bryan Howard

## LUNCHEON / WRAP-UP PLENARY SESSION (Conservation Dome)

12:00 pm - 2:00 pm

**Keynote Speakers:** Mario Belvedere, Chief Administrative Officer, Town of Milton – *"Eco-Tech Village Project... Making Choices Toward Sustainability"*

Bryan Howard, former Conservation Authority General Manager 1969-1985 – *"Reflections on Art Latornell"*



# Thank you for your support!

Each year, the A.D. Latornell Symposium Steering Committee organizes on-going fundraising activities to contribute towards the A.D. Latornell Conservation Symposium Grant. This year the Grant is supporting 12 recipients to attend the Symposium.

Your continued support is very much appreciated and, in particular, toward this 10th year Dream Auction celebration. All sales will be contributed to the Latornell Grant to assist students and non-for-profit organizations in taking part in next year's Symposium. You can also support other conservation causes by purchasing some of the following items available at the Registration Desk.



## Limited Edition Prints of the Latornell Tree

Artist: Bonna E.G. Rouse



## Latornell Fleece Vests

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### Oak Ridges Moraine Trails

Detailed maps, directions, descriptions for trip planning information for the 36 trails on the beautiful Oak Ridges Moraine.



### 44 Country Trails

Maps and trail descriptions that will guide you through the Conservation Area lands and trails of the Grand River, Hamilton, Halton, Long Point and Niagara conservation authorities.



### Bruce Peninsula Trails

Maps and trail descriptions for the Bruce and trails in the Grey Sauble, Maitland and Saugeen Valley conservation authorities.



### The Best of the Bruce

Highlights portions of the trail from the wine country of Niagara to the wilderness of the Bruce Peninsula.

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