



NATURAL CHANNELS 2010

Stream Corridor Management: Restoring Our Natural Infrastructure.

2010 is the International Year of Biodiversity. Reed Noss considered biodiversity a combination of the organisms living in specific ecosystems and the physical attributes that they require for their life cycle: stressing the importance of the linkage between organism and habitat.

The way that watersheds, their valleys, stream corridors and channels create habitat constitutes part of the natural infrastructure of a watershed that provides the opportunities for the organisms living within the watershed. Recently, there has been increased recognition that the natural environment and its structures and composition provide critical functions that support the continuity and growth of human society, and that these elements of “natural infrastructure” merit the same priority for investment and management as built infrastructure.

This conference is intended to explore the concept and application of Natural Channel System design to stream corridors as part of the continuum of development of this initiative in Ontario and elsewhere and to explore the importance of streams and their corridors to the biodiversity of watersheds.

www.naturalchannels.ca

4TH INTERNATIONAL CONFERENCE ON NATURAL CHANNELS SYSTEMS

DAY 1 - MONDAY, SEPTEMBER 27TH

8:30AM to 9:00AM	Welcome and Introductions		
	<p>Ed Gazendam, President, <i>Water's Edge Environmental Solutions Team Ltd.</i> Hon. Linda Jeffrey, Minister of Natural Resources Don Pearson, General Manager, <i>Conservation Ontario</i></p>		
9:00AM to 10:00AM	Keynote Address		
	<ul style="list-style-type: none"> Keynote Speaker: Dr. Kurt Fausch, Professor, Department of Fish, Wildlife, and Conservation Biology, <i>Colorado State University</i> 		
10:15AM to 12:00PM	Plenary Session		
	<ul style="list-style-type: none"> Plenary Speakers: Dr. Stephen Bocking, Professor and Chair, Environmental and Resources Science, Studies Program, <i>Trent University</i> Jack Imhof, National Biologist, Director of Conservation Ecology, <i>Trout Unlimited Canada</i> Ryan Ness, Manager-Water Resources, <i>Toronto and Region Conservation Authority</i> 		
12:00PM to 1:15PM	Lunch		
1:15PM to 2:45PM	Concurrent Sessions		
M1A	Biodiversity and Stream Corridors - Part 1		
	<p>Dena Lewis, <i>Toronto and Region Conservation Authority</i></p>	<p>David Lawrie, <i>Toronto and Region Conservation Authority</i></p>	<p>Dr. Ashraf Al Zaghaf, <i>University of Guelph</i></p>
M1B	Tools for Design and Function – Part 1		
	<p>Robin J. McKillop, <i>AECOM</i></p>	<p>Dr. Ted Endreny, <i>Environmental Resources Engineering, SUNY</i></p>	<p>Mariane M. Vocal Ferencevic, <i>Brock University and University of Western Ontario</i></p>
M1C	Special Design Considerations – Part 1		
	<p>Brian Hindley, <i>Aquafor Beech Ltd.</i></p>	<p>Mike Gregory, P.Eng, <i>AECOM</i></p>	<p>Rick Portiss, <i>Toronto and Region Conservation Authority</i></p>
2:45PM to 3:00PM	Coffee Break		
3:00PM to 4:30PM	Concurrent Sessions		
M2A	Biodiversity and Stream Corridors - Part 2		
	<p>Andrea Sinclair, <i>Niagara College</i></p>	<p>Brad Fairley, <i>Stantec Consulting Ltd.</i></p>	<p>David P. Johnston, <i>Otonabee Conservation</i></p>
M2B	Tools for Design and Function – Part 2		
	<p>Amanda Brunet, <i>University of Western Ontario</i></p>	<p>Trevor Chandler, <i>Stantec Consulting Ltd.</i></p>	<p>Mariette Prent-Pushkar, <i>Aquafor Beech Ltd.</i></p>
M2C	Special Design Considerations – Part 2		
	<p>Joanna L. Eyquem, <i>Parish Geomorphic</i></p>	<p>Jeff Prince, <i>AECOM</i></p>	<p>David Stephenson, <i>Natural Resource Solutions Inc.</i></p>
4:30PM to 7:00PM	Poster Session and Social		
	<p>Naomi Langlois-Anderson, <i>South Nation Conservation</i></p> <p>Kevin Tabata, M.Sc. Dave Bidelspach, <i>Stantec Consulting Ltd.</i></p>	<p>Nina Sampson, <i>University of Western Ontario</i></p> <p>Kirk Bowers, <i>Credit Valley Conservation</i></p> <p>Brad Fairley, <i>Stantec Consulting Ltd.</i></p>	<p>Curniss McGoldrick, <i>EarthWise Thunder Bay</i></p> <p>Adrienne Sones, E.I.T. & David Arseneau, E.I.T., <i>AECOM</i></p>

DAY 2 - TUESDAY, SEPTEMBER 28TH

8:15AM to 8:30AM	Welcome and Introduction		
	Hazel Breton , Manager, <i>Hamilton Conservation Authority</i>		
8:30AM to 10:00AM	Concurrent Sessions		
T1A	Biodiversity and Stream Corridors - Part 3		
	Elizabeth Snell , <i>Snell and Cecile Environmental Research</i>	Dr. Bruce Kilgour , <i>Kilgour and Associates Ltd.</i>	Brett Woodman , <i>Natural Resource Solutions Inc.</i>
T1B	Tools for Design and Function – Part 3		
	Mr. William Cody Fleece , <i>Stantec Consulting Ltd.</i>	Dr. Bill Annable , <i>University of Waterloo</i>	Dave Bidelspach , <i>Stantec Consulting Ltd.</i>
T1C	Implementation Through Regulation, Policy and Guidelines – Part 1		
	Robert Amos , <i>Aquafor Beech Ltd.</i>	Graham Bryan , <i>Canadian Wildlife Service</i>	Steve Bobrowicz , <i>Ontario Ministry of Natural Resources</i>
10:00AM TO 10:30AM	Coffee Break		
10:30AM TO 12:00PM	Concurrent Sessions		
T2A	Biodiversity and Stream Corridors - Part 4		
	David Arseneau , <i>AECOM</i>	Michelle Craig , <i>University of Waterloo</i>	David Arseneau , <i>AECOM</i>
T2B	Tools for Design and Function – Part 4		
	Imran Khan , <i>Geomorphic Solutions</i>	Harry Reinders , <i>R+M Construction</i>	Moranne McDonnell , <i>Toronto and Region Conservation Authority</i>
T2C	Monitoring Stream Corridor Designs		
	Les Stanfield , <i>Ontario Ministry of Natural Resources</i>	Roger Phillips , <i>University of Toronto and Aquafor Beech Ltd.</i>	Dean Young , <i>Toronto and Region Conservation Authority</i>
12:00PM to 1:15PM	Lunch		
1:15PM TO 2:45PM	Concurrent Sessions		
T3A	Biodiversity and Stream Corridors - Part 4		
	Jennifer Drake , <i>University of Guelph</i>	Ed Gazendam , <i>University of Guelph and Water's Edge Environmental Solutions Team Ltd.</i>	Laurian Farrell , <i>Toronto and Region Conservation Authority</i>
T3B	Tools for Design and Function – Part 4		
	Dr. Peter Ashmore , <i>University of Western Ontario</i>	Dr. Bill Annable , <i>University of Waterloo</i>	Dr. Charlotte Young , <i>ENVision...synergy</i>
T3C	Implementation Through Regulation, Policy and Guidelines – Part 2		
	Andrew McCammon , <i>Ontario Headwaters Institute</i>	Mark A. Van Der Woerd , <i>LURA Consulting</i>	Mark Heaton , <i>Ontario Ministry of Natural Resources</i>
2:45PM to 3:00PM	Coffee Break		
3:00PM to 4:30PM	Plenary Session		
	<ul style="list-style-type: none"> Plenary Speakers: Alastair Driver, National Conservation Manager, <i>Environment Agency (UK)</i> Gord Miller, Environmental Commissioner of Ontario 		
4:30PM to 4:45PM	Wrap-up and Closing Remarks		

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