

OIPC Conference and AGM

Canada 150 & OIPC 10: Success, Milestones and the Future of Invasive Plant Management in Ontario

Agenda

**note, this agenda is subject to change.*

Date: October 10-11 2017

Time: **October 10** (field tours and evening social): 1:00 pm – 8:00 pm, **October 11** (main conference): 7:30 am – 5:00 pm

Location: Ottawa Event and Conference Centre, 200 Coventry Road, Ottawa, Ontario

Time **Details (October 10)**

1:00 – 5:00 (pm) Field Tours, Ottawa Event and Conference Centre, 200 Coventry Road, Ottawa

This year, there will be two field tours, consisting of the same site visits. For both tours, participants will all start at the same location, above. The group will then split and head to separate locations. Once finished at those locations, the groups will alternate. Therefore, both groups will experience the same tour, just at different times, in smaller groups.

This first stop on this tour is to Macoun Marsh, a unique urban wetland located in the southeast section of Beachwood Cemetery and named after John Macoun, a pioneering Canadian naturalist. The marsh has received provincial, national, and international attention and has been used as a unique teaching tool about natural wonders, but now, invasives have begun to creep in and disrupt its teaching value. The second (or third, depending on tour) stop on the tour is the Leitrim Wetland, located near the Findlay Creek Community within the urban boundary of the City of Ottawa. South Nation Conservation, in collaboration with other community partners, helps to monitor and manage resources within this Provincially Significant Wetland. SNC has been completing glossy buckthorn removal within fen habitat in the wetland for several years in an effort to maintain this important feature. Although a full eradication of glossy buckthorn is unlikely, progress has been made, and fen indicator species are once again flowering. The third (or second,

depending on tour) stop on this tour will be to Mud Lake, which is one of the most ecologically important natural habitats in the urban part of Canada’s Capital Region. It is identified as a provincially significant wetland and an area of Natural and Scientific Interest, as well as a protected area by the International Union for Conservation of Nature. However, invasive plants threaten the biodiversity of the Mud Lake habitat. Learn more about what the National Capital Commission (NCC) is doing to control invasive plant and preserve the ecological integrity of the natural environment.

What to bring: water, rubber boots, jacket, rain gear in case, snacks provided.

Confirmation details will be sent one week prior to the event.

6:00 – 8:00 (pm) Evening Social, Ottawa Conference and Event Centre, 200 Coventry Road, Ottawa
This year's evening social will be held at the Ottawa Conference and Event Centre, 200 Coventry Road, Ottawa. The evening social will start at 6 pm and end at 8 pm. There will be complimentary appetizers and a cash bar. Take this time to mingle and connect with your fellow colleagues!

Time	Details (October 11)
7:30-8:00 (am)	Registration with coffee and refreshments
8:00-8:10	Welcome, Ottawa City Councillor Tobi Nussbaum
8:10-9:00	<p>Keynote Speaker: David Phillips, Environment Canada and Climate Change <i>Tomorrow’s Weather Forecast: Warmer, Wetter and Wilder</i></p> <p>The Earth is warming faster and greater now than it has in a very long time. Yet, more extreme and variable weather and a destabilization of historic weather patterns may be the most significant outcome from an over-heated planet facing run-away climate change. For nature, it’s clear that even slight warming will have a significant impact on biodiversity and the loss of life-sustaining habitats. Environmental change will also cause native species to become stressed putting invasives at a competitive advantage for the exploitation of dwindling resources. What is for sure is that we can no longer assume that</p>

yesterday's weather will apply tomorrow. The future is not going to look like the past. We need to prepare better for the climate coming not what has happened.

- 9:00-9:15** **Questions**
- 9:15-11:20** **Success and Milestones in Invasive Plant Management: Focus on Eastern Ontario**
- 9:15-9:35 ***Vegetation Management Project at Mud Lake, Genevieve Mercier, National Capital Commission***
- The presentation will describe the Mud Lake Vegetation Management Project and will highlight the accomplished results. The methodology will be described – including the partnerships and the next steps will be mentioned.
- 9:35-9:55 ***Invasive Plant Management and Control at McKay Lake - an Ottawa Urban Natural Area***
- 9:55-10:10** **BREAK**
- 10:10-10:30 ***Ottawa Wild Parsnip Management Plan, City of Ottawa, Genevieve Raymond***
- 10:30-10:50 ***Management of European Water Chestnut at Voyageur Provincial Park, Voyageur Provincial Park***
- 10:50-11:10 ***Combatting Invasive Species through Habitat Restoration, Erling Armson and Kyle Borrowman, Ducks Unlimited***
- Over the years, Ducks Unlimited Canada (DUC) has contributed to the fight against invasive species through assisting legislation and policy development, performing scientific research, and control projects. DUC has partnered with various organizations and regulatory agencies to tackle invasive plant management projects across the country in order to conserve, restore and manage wetlands and associated waterfowl habitats. This collaborative approach has been applied on both regional and local scales using integrated pest management informed by science and research including mechanical, chemical and biological control methods to combat invasive species. As invasive species continue to create challenges to restoring wetland habitat, new and novel approaches to identify, control and monitor program success will need to be explored. This presentation will provide an overview on DUC's past projects as well as spotlighting current and emerging projects including early detection and rapid response and large scale monitoring. Specific interest will be given to ongoing projects related to European water chestnut (*Trapa natans*) and European common reed (*Phragmites australis*).

11:10-11:20 **Questions**

11:20-12:00 **OIPC AGM (Iola Price, OIPC President/OIPC Update)/Poster Tour (for those not attending AGM)**

12:00-1:00 **Lunch (provided)**

1:00-3:05 **New Research and the Future of Invasive Plant Management**

1:00-1:20 ***The Management of Giant Hogweed: Control Options throughout the Year, Guelph University***

1:20-1:40 ***Mechanisms of invasion by Dog-strangling Vine in North America, University of Toronto***

The spread of dog-strangling vine (DSV; *Vincetoxicum rossicum*) in Ontario has reached epidemic proportions in the last 20 years. This four year 3-part study examined 56 DSV populations across Ontario, an “invasion in progress” field case study, and five manipulative greenhouse experiments using 12 different soils. Results of the study suggest that DSV employs a combination of allelopathy and the accumulation of fungal pathogens and dark septate endophytes in its spread. These fungal partners may be used as markers in determining a site’s susceptibility to invasion and assist in the reclamation of invaded sites.

1:40-2:00 ***Comparing fish community composition in invasive *Phragmites australis* and native emergent species’ in the St. Clair River Delta, Trent University***

Invasive *Phragmites australis* ssp. *australis* has established and rapidly spread throughout several coastal and nearshore areas of the Great Lakes. The extent to which *Phragmites* provides comparable habitat for freshwater fishes is currently unquantified, although widely considered to be unsuitable. This study will assess whether fish assemblages and production in stands of *Phragmites* differs from that in stands of two native emergent species, *Typha* sp. and *Schoenoplectus* sp. in the St. Clair River Delta. Working collaboratively with Walpole Island First Nation and Fisheries and Oceans Canada, the results from this study will help to determine whether *Phragmites* is contributing comparable habitat for freshwater fishes, and provide management agencies with quantitative data on potential losses to fish habitat associated with the spread of this invasive species.

2:00-2:15 **BREAK**

2:15-2:35 ***What’s new in Biocontrol, Agriculture and Agri-Food Canada***

2:35-2:55 ***New research on Five-leaf aralia, Conservation Halton and POWER***

- 2:55-3:05** Questions
- 3:05-3:15** **BREAK**
- 3:15-4:15** **Combatting Invasive Plants in a Municipal and Private Landowner Setting**
- 3:15-3:35 *Invasive Plant Management Strategy for the York Regional Forest, York Region*
- 3:35-3:55 *Update on Kudzu Management Plan in Ontario, Canadian Food Inspection Agency*
- 3:55-4:15 *City of London*
- 4:15-4:25** Questions
- 4:25-4:45** *Canada 150: National Invasive Species Update, Natural Resources Canada*
- 4:45-4:50** Questions
- 4:50-5:00** Wrap-Up and Adjourn