



Overview of Invasive Phragmites Control at Coots Pond and Hydro Marsh

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Invasive Phragmites Control at Coots Pond



DNGS Biodiversity 2018

Legend

- Site Study Area
 - * Amphibian Monitoring Stations
 - Survey Area Boundary
 - Drainage Feature
 - Bat Acoustic Monitor Locations
 - Bank Swallow Monitoring Area
- ### Breeding Bird Transects
- A Coot's Pond
 - B Bobolink Hill
 - C Big Hedge
 - D Butterfly Meadow (Discontinued 2015)
 - E East Hedge
 - F Woodlot
 - G Bunting Thicket
- ### Snake Monitoring Transects
- 1 Snake Monitoring Transects, 1
 - 2 Snake Monitoring Transects, 2
 - Snake Hibernaculum
- ### Bat Monitoring Transects
- North East
 - Coot's Pond
 - South West

First Base Solutions
Web Mapping Service 2018

UTM Zone 17 N, NAD 83

0 125 250 500 Metres

1:12,000



















Control Recommendations:

Year 1: 2022

i) Pond:

- use amphibious, all terrain vehicle (Fat Truck) to treat large, high-density cells in dry section with herbicide
- use backpack spray units to treat small and low density areas
- manually cut plants in water

ii) upland habitat: herbicide

- use Gator with hose and handgun and backpack spray units

iii) adjacent agricultural field: herbicide

- use Fat Truck to treat large, high-density cell
- use Gator and backpack spray units in sparse area

Herbicide: WeatherPRO



Tommy Thompson Park, Toronto, September 28, 2021



Tommy Thompson Park, Toronto, September 29, 2021



Lake Huron Coastal Wetland, Municipality of Kincardine, September 17, 2015

➤ cane cutting

Cutting to Drown Invasive Phragmites



Special thanks to Greg Lisson and Leslie Wood (Oliphant Fishing Islands Phragmites Community Group) and Donna Stewart (South Bruce Peninsula Phragmites Group) for demonstrating the raspberry cane cutting method.

Invasive Phragmites Control at Hydro Marsh





Control Recommendations:

2021

Phragmites in water: cut-to-drown

- 2 Truxors were used to cut and remove Phragmites on November 30th and December 1st 2021

2022

ii) Dry areas: herbicide

- amphibious, all terrain vehicle (Fat Truck) to treat large, high-density cells
- backpack spray units to treat small and low density populations

Herbicide: WeatherPRO

Invasive Phragmites Control Centre

➤ Truxor amphibious machine



Oliphant, Lake Huron, September 15, 2017

J.M. Gilbert

Truxor Cutting Program



Oliphant Fishing Islands, August 2018

Truxor Cutting Program



Lambton Centre, Lake Huron, September 2017



containment boom

November 30, 2021



November 30, 2021

Chemical Control

Herbicide Options in Ontario:

Dry land application

- WeatherMax, VisionMax, WeatherPRO (Bayer)
Timberline (Belchim Crop Protection Canada)
- glyphosate + surfactant (polyethyloxyated tallowamine)
- Arsenal Powerline (BASF)
- imazapyr + surfactant
- Requires a Letter of Opinion- written opinion from the MNR that the use is an appropriate means to protect or manage natural resources (exempt: roads, infrastructure, industrial uses, agricultural lands)



QUESTIONS?

Rondeau Provincial Park, Lake Erie, September 2012

J.M. Gilbert