



London Phragmites Management Strategy Ontario Phragmites Working Group AGM - 2019

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Ontario Invasive Plant Council, 2017:

"The City of London is a **provincial leader** in municipal action against invasive plants. They're doing great work prioritizing invasive plant species and populations to help safeguard urban biodiversity hubs. More on their efforts at http://www.lfpress.com/.../strategy-if-adopted-calls-for-a-tr....

London's strategic approach to invasive plant planning has helped provide a model for other municipalities to build from."



LIPMS adopted by City Council September 2017





	Invasive Plant Species Management in London's ESAs, Parks & Woodlands									
		2006 - 2008	2009	2010	2011	2012	2013	2014	2015	2016
	Phragmites australis (Common Reed)*							•	•	•
	Japanese Knotweed*						•	•	•	•
	Dog Strangling Vine*						•	•	•	•
	Common and Glossy Buckthorn*	•	•	•	•	•	•	•	•	•
ĺ	Giant Hogweed*					•	•	•	•	•
	Garlic Mustard		•						•	•
	Goutweed							•	•	•
١	Periwinkle								•	•
	Purple Loosestrife		•						•	•
1	Black Locust								•	•
	Scots Pine							•	•	•
	Non-Native Honeysuckle								•	•
	Russian/Autumn Olive							•	•	•
	*denotes priority species									



LONDON INVASIVE PLANT MANAGEMENT STRATEGY



RECOMMENDATIONS

The LIPMS sets out a detailed vision for controlling multiple invasive species across the entire City. The following recommendations are needed to implement the strategy. Each recommendation will require specific funding to fully and effectively implement. Staff will, upon acceptance of this report, prepare detailed funding and implementation timelines for Council approval.

1) Develop a *Phragmites* control program according the Strategic Process (Section 5.0) outlined in the LIPMS. This is the City's highest priority species, as it poses the biggest threat to the ecological integrity and long term health of the City's Natural Heritage System, and creates potential health and safety concerns. As such, this program is already being developed in conjunction with other City departments outside of Planning Services to make it a city-wide control program. This program will include reaching out to City of London neighbours and provincial partners with the intent of creating a larger regional approach to controlling this species as quickly as possible.







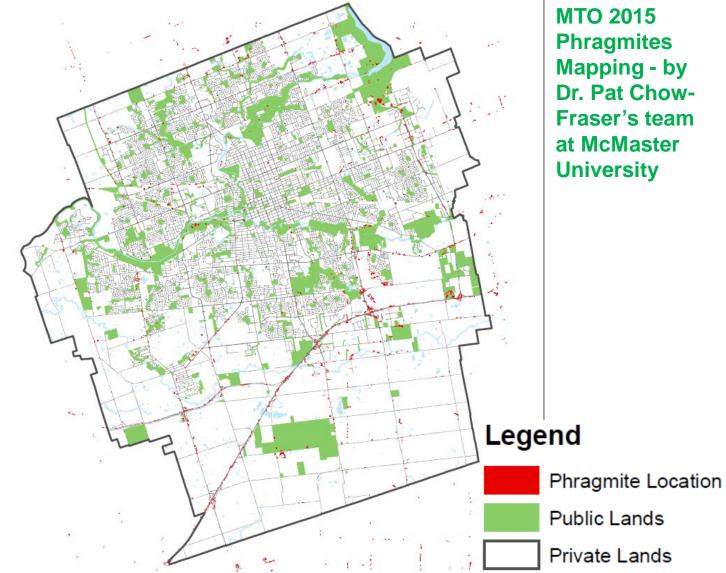




- City retained Dr. Janice Gilbert to assist the City with the London Phragmites
 Management Strategy.
- Formed a London Phragmites Working Group in 2017 (City staff from Parks, Sewer Operations, Transportation, Urban Forestry, and 3 local Conservation Authorities, MTO etc.)
- Group met 4 times, enhanced awareness and knowledge of Phragmites
- Led to great partnerships / control projects in London
- City funded Phragmites control program is underway since 2013 and increases in scope every year.

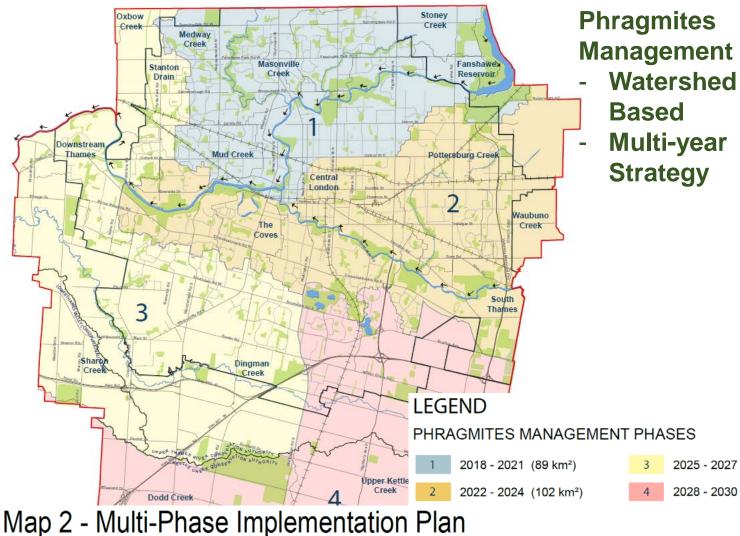






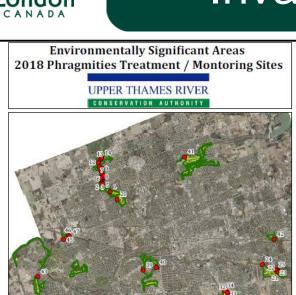






for Phragmites Management





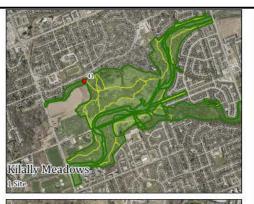












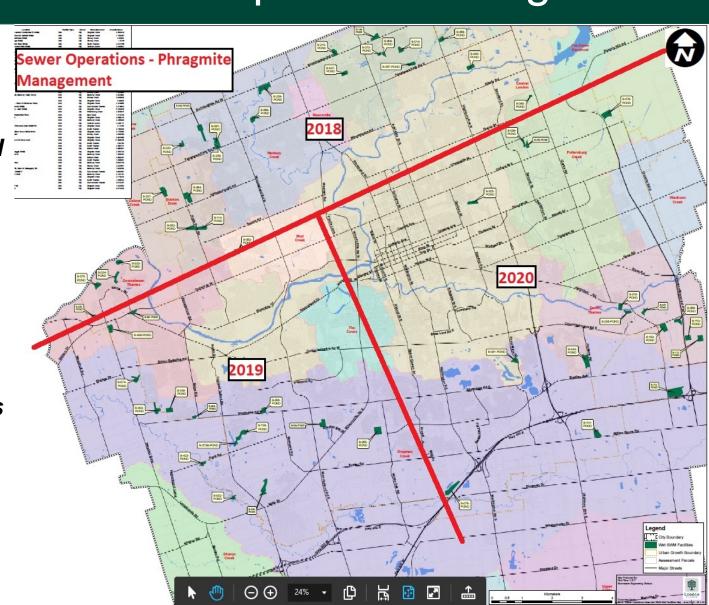






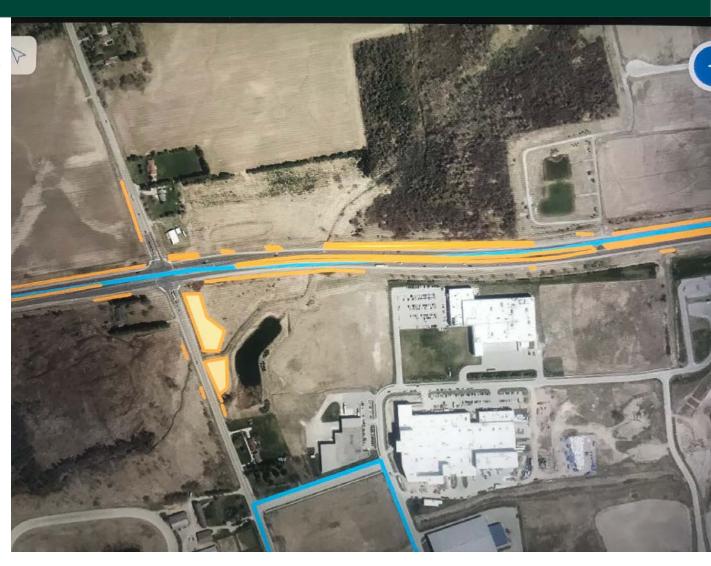


- All Phragmites in City SWM ponds will be treated and under monitoring program by 2020
- Developers must treat Phragmites before City assumption of SWM ponds
- For new SWM
 ponds Phragmites
 is treated prior to
 construction.
- Phragmites in municipal drains, is sprayed and removed.





- City's Forestry
 Operations staff
 mapped all
 roadside
 Phragmites in
 London
- Are following the approach and mapping in the LPMS
- Sample of mapping shows VMP at Hamilton Rd
- Looking to ramp up work in 2019 forward

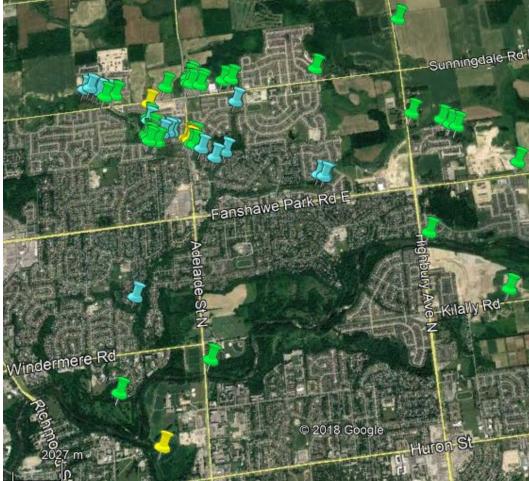




LONDON INVASIVE PLANT MANAGEMENT STRATEGY



Invasive Phragmites Control Centre - contracted to map, manage & monitor Phragmites in NE London in 2018



Green Pins:

Sprayed

Blue

Pins:

Cut to

Drown

Yellow

Pins:

Cut – future spray



LONDON INVASIVE PLANT MANAGEMENT STRATEGY



Invasive Phragmites Control Centre - contracted to map, manage & monitor Phragmites in NE London



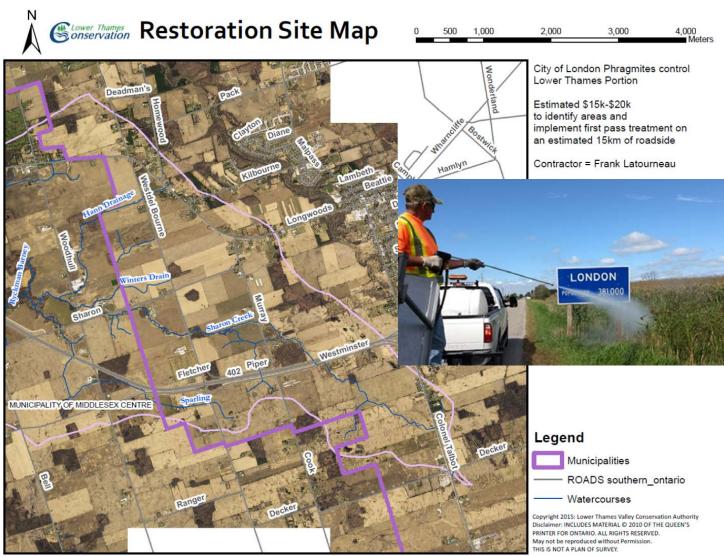
IPCC - Cutting to drown – cannot spray over water



IPCC – applying herbicide to Phragmites









LONDON INVASIVE PLANT MANAGEMENT STRATEGY 0908 Legend

London Phragmites Strategy 3144 3115 3110 1780 3680 3244 3192 9752 9660 4200 6101 6019 City's share of 7605 7537 control work 8135 8076 7494 7448 4005 4334 7511 7459 cost was only 4159 4360 \$5,000 - LTVCA 4678 4704 3 6 1 9216 9062 8021 4737 4763 4815 coordinated 4453 9340 4708-4740 4785 4803 4827 9143 and funded half the work as a 5224-5238 7395 .. 7161 5318 9045 7527-754 **BIG** 4769 4762 4885 5075 win win!!! 5221 6190 61 5079 5336 10680 10648 10203 10736 10751 5001 5121-5160 5216

Lower Thames Onservation

2018

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5341

5398

Phragmites

Parcels







How can I help?



Service **London**



Report Phragmites on the Service London Portal

https://service.london.ca/







Phragmites Management and Monitoring:

- Phragmites reporting/mapping tool is live on City website
- City Environmentally Significant Areas (735 hectares of land) by City funded ESA team ongoing since 2013
- 30 kilometers of City roadways in Lower Thames Valley
 Subwatershed partnership with LTVCA/City Roadside Ops
- NE London Thames River at Fanshawe Dam working downstream by Invasive Phragmites Control Centre
- Storm Water Management Ponds Phragmites control by Sewer Operations Section – complete by 2020
- EA/EIS recommendations for Phragmites control in Development Agreements, Subdivision Agreements and EA recommendations
- Ongoing Parks Operations, Urban Forestry Park and Woodland invasive species management projects
- Private Lands (90% City) provide a list of contractors
- London Phragmites Management Strategy finalized





Thank you to all our Phrag Fighters!



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