

UTRCA Phragmites Management

City of London Environmentally Significant Area
Projects

City of London ESA Phrag



49 sites total – 10m² to ½ acre

3 sites registered with PAMF (Phragmites Adaptive Management Framework)

Foliar Spraying



June 21, 2018 - Roundup Weathermax @ 5%

September 14, 2018 – Roundup Weathermax @5%

Glyfos @ 5% with MSO @ 1%

October 11, 2018 – Roundup Weathermax @ 5% with MSO @ 1%

Cutting dead Phrag



Dead phrag cut on January 4, 2019

Spraying roadside



Cut dead Phrag Feb 6, 2018

August 14, 2018 – Arsenal Powerline @ 1%

Arsenal Powerline @ 2%

August 15, 2018 - Roundup Weathermax at 5%

IPM certification required...Public Works



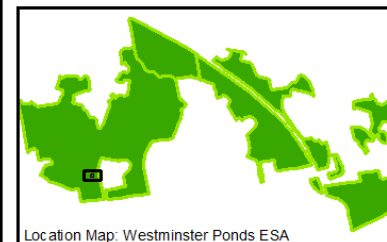
Tarping

Cut Phrag in 2015 and 2016

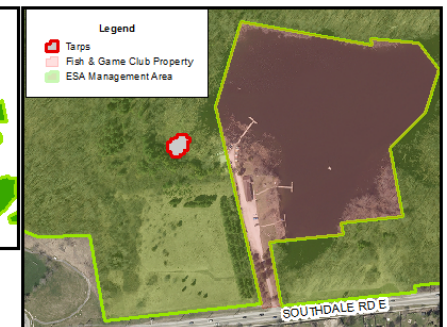
Cut Phrag – March 22, 24 and 28, 2017
as site prep



2018 Westminster Ponds ESA - Phragmites Tarping



UPPER THAMES RIVER
CONSERVATION AUTHORITY



Tarping

Scots pine and patio stones for weight



March 29, 2017: cut Scots pine/lay out tarp
March 31 and April 3, 2017: lay out 5 tarps
July 6, 2017: lay out 3 additional tarps
Total tarp area – 595 m²



Tarping – regrowth



Pulled 1362 stems June 22, 2017



Removing the tarp



3 weeks after tarp removal...



Nodding Bur-marigold (Nodding Beggar's ticks)



Spading/Drowning



Summary

Successes

- Very good overall success with foliar spraying:
 - results of test between Arsenal Powerline at different rates compared to Weathermax in 2019
 - results of herbicide only vs with MSO in 2019
- Encouraging initial results from tarping – reassess in 2019

Challenges

- Continues to be standing water
- Spading/drowning low to moderate effectiveness – labour intensive
- Tarping very labour intensive and \$\$\$, also high water/flooding
- Roadside/public works requires IPM certification
- Removal of dead stalks – manual or expensive machinery (access)