

EURASIAN WATER-MILFOIL ALERT

The Township of North Frontenac is asking for the public's help to slow down the spread of this invasive species that is threatening many of our lakes.



EWM is an invasive, very aggressive aquatic plant that can totally infest shallow lakes with dense growth in the water and on the surface; tangles in rudders, props and fishing gear; kills native vegetation and depletes oxygen levels for fish and other aquatic animals.

WHAT YOU CAN DO:

- Clean your boat, propeller and trailer at home before launching in a different lake.
- Avoid disturbing established EWM patches while boating or fishing. Use a scoop to retrieve pieces. Even small broken pieces re-root in days.
- If you own lakeshore property, hand-pull plants along your shoreline and dispose of them away from the water.
- Participate in a Weed Watch program to report new colonies.



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Each leaf of EWM has at least 12 thread-like segments.

If removing EWM from a motor while on the water, take fragments to shore for disposal.

EURASIAN WATER MILFOIL PILOT PROJECT TIMELINE

- 2015 Track the growth of aquatic invasive species echo-rebound directed by Prof. Vermaire
- 2016 EWM located in Ardoch Lake shoreline site; hand-pulled; conducted Boating Survey
- 2017 Local secondary drone program to start; partnership formed with Above & Beyond; EWM noted in Malcolm Lake; new colonies recorded; Invading Species Awareness program conducted education session on relevant invasive species with FOCA funding; presentation to MNR for support and approval; Aquatic Invasive Species sign and identification cards designed; establish "Weed Watchers" reporting with membership; analyses of data by Above & Beyond
- 2018 Orthomosaic maps prepared by Above & Beyond; more drone flights in the spring; application to MNRF for approval of burlap laying; EWM presentation at AGM and other summer social events; contacts with other Lake Associations especially Big Cedar Lake in Kawarthas dealing with the issue; contact with Prof. Eric Sager of Trent University re: use of weevils; GPS mapping to select priority sites; August report to Township Council seeking support; grant from Township for initial burlap purchase; grant writing by Stewardship to FOCA, OFH&A, TD Bank; input from Mississippi Valley Conservation Authority and Watersheds Canada; grant received from FOCA for education session and some hand tools; collection of data & initial writing of EWM Control Plan; resolution by Township to fund up to \$10000 for grad student to do research; fall drone flights; more grant writing; partnership with Prof Jesse Vermaire, Carleton University to do research for the pilot project; grad student provided by Carleton University so Township approved hiring of summer student with drone experience for 2019; comparison of studies with Farlain Lake Community Association (Penentanguishene Peninsula); Township Mayor addresses issue with MOE/MNRF seeking approval for permit request; Late Sept. Letter of Authority received for burlap laying; one strip of burlap at mouth of Ardoch Lake laid; more drone flights; Above & Beyond Program analyzes data and prepares maps throughout the winter; request to MNRF for 2019 pilot project and extended sites for burlap; approved in late December; more report writing for draft of EWM Management Plan;
- 2019 Grant requests submitted to organizations; testing for dissolved oxygen and phosphorous levels begin Jan.-Apr.by Stewardship; timeline planning with partners; Carleton University extensive sampling begins May- Sept.; MALLA receives financial support from membership for EWM material; burlap laid in June; summer student hired; drone flights for summer and fall; update report to community in August; monitoring.