

Canadian Lakes Aquatic Plant Control Program 2020 Activity Summary

A publication of the Canadian Lakes Property Owners Corp.

Canadian Lakes Property Owners Corporation

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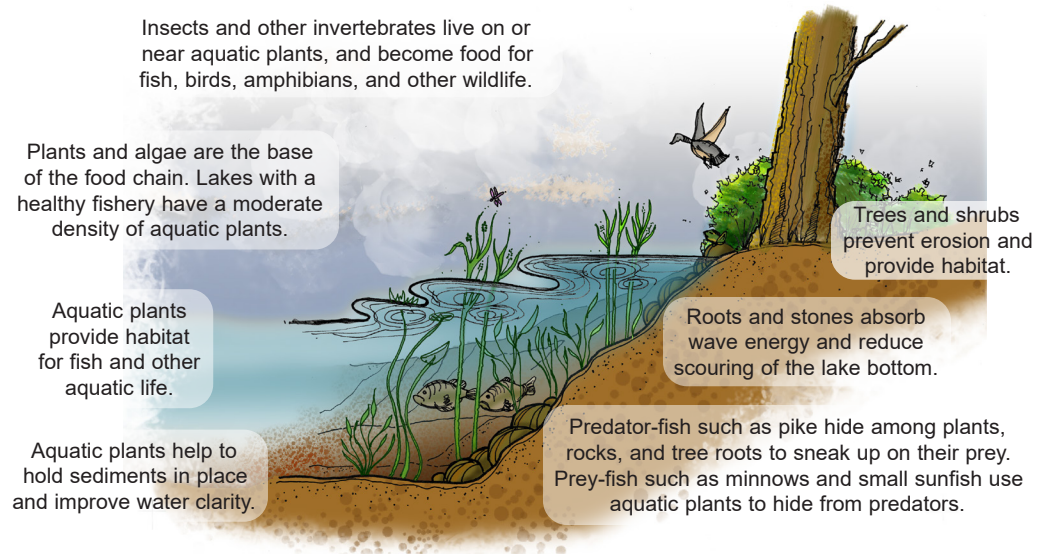
Greg Babbitt
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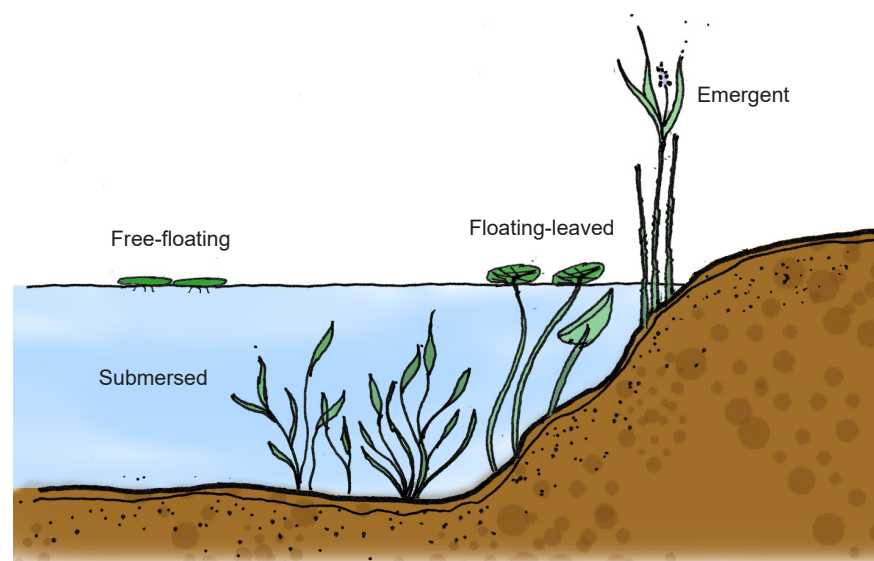
For the past several years, a nuisance plant control program has been ongoing on Canadian Lakes. The primary objective of the program is to prevent the spread of invasive aquatic plants while preserving beneficial plant species. This report contains an overview of plant control activities conducted on Canadian Lakes in 2020.

Aquatic plants are an important component of lakes. They produce oxygen during photosynthesis, provide food, habitat and cover for fish, and help stabilize shoreline and bottom sediments.

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There are four main aquatic plant groups: submersed, floating-leaved, free-floating, and emergent. Each plant group provides important ecological functions. Maintaining a diversity of aquatic plants is important to sustaining a healthy fishery and a healthy lake.

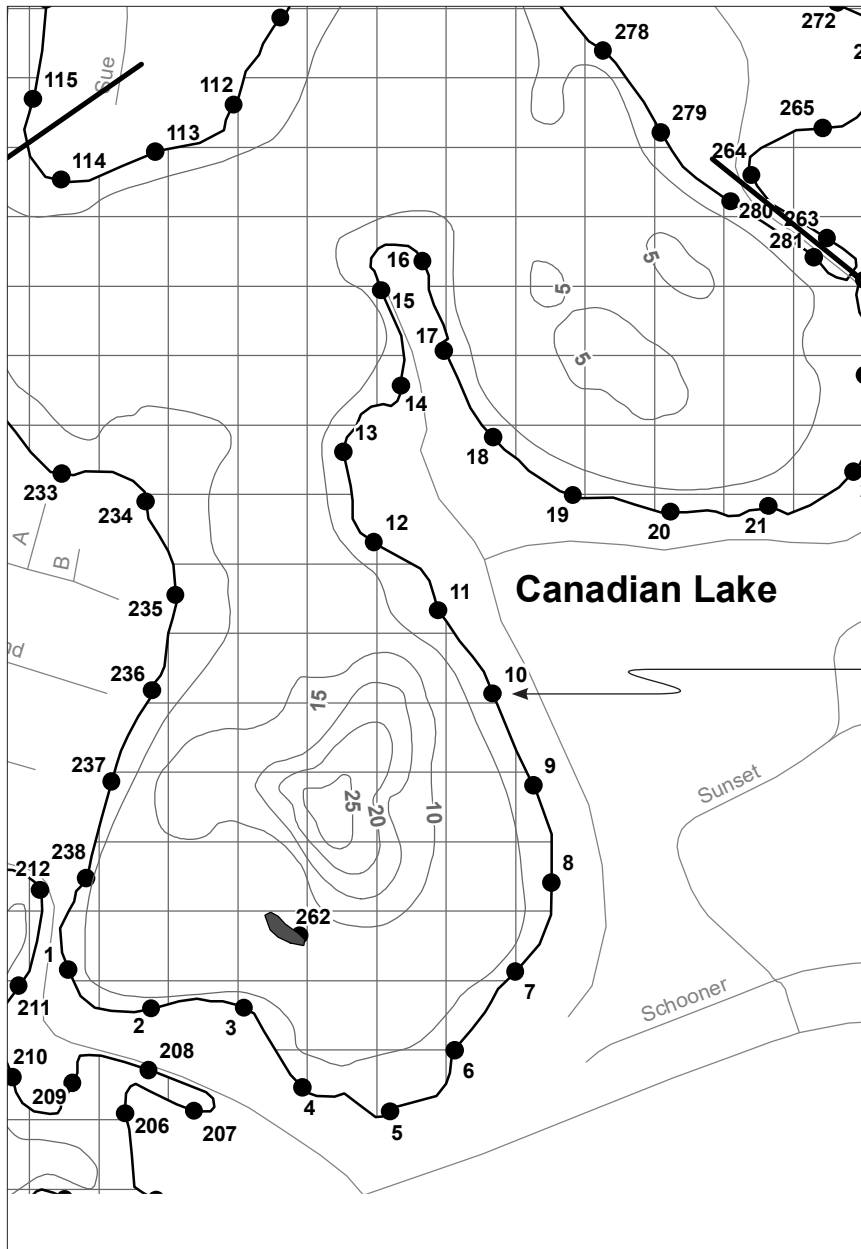


Environmental Consultant
Progressive AE

Herbicide Applicator
Michigan Lakefront Solutions

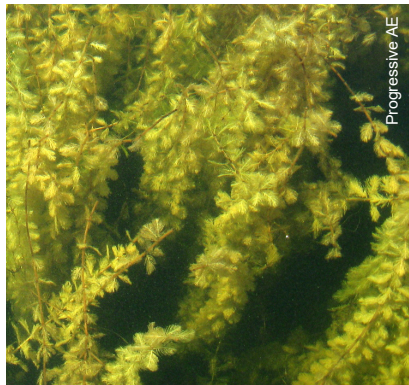
Plant control activities are coordinated under the direction of an environmental consultant, Progressive AE. Biologists from Progressive conduct GPS-guided surveys of the lake to identify problem areas, and georeferenced plant control maps are provided to the plant control contractor.

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GPS reference points established along the shoreline of Canadian Lakes are used to guide plant surveys and to accurately identify the location of nuisance plant growth areas.

Plant control in Canadian Lakes involves the select use of herbicides and mechanical harvesting to control invasive plant growth. Primary plants targeted for control in Canadian Lakes include Eurasian milfoil and starry stonewort. Both of these plants are non-native (exotic) species that tend to be highly invasive and have the potential to spread quickly if left unchecked.



Eurasian milfoil (*Myriophyllum spicatum*)



Starry stonewort (*Nitellopsis obtusa*)

Plant control activities conducted on Canadian Lakes in 2020 are summarized in the table below.

CANADIAN LAKES 2020 NUISANCE AQUATIC PLANT CONTROL SUMMARY

Work Type	Date	Plants Targeted	Acres
Survey	May 28		
Herbicide	June 11	Eurasian milfoil, *CLP, native plants, algae	23
Survey	June 18		
Herbicide	June 24	Eurasian milfoil, *SSW, native plants, algae	181
Survey	June 29		
Herbicide	July 2	Algae	25
Survey	July 20		
Herbicide	July 29	Eurasian milfoil, *SSW, native plants, algae	60
Survey	August 17		
Herbicide	August 25	Eurasian milfoil, *CLP, native plants, algae	69
Survey	September 14		
Total			358

*CLP = Curly-leaf pondweed

*SSW = Starry stonewort

Truxor Mechanical Harvesting

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In addition to herbicide treatments, aquatic plant harvesting is conducted with a Truxor machine, an amphibious vehicle that cuts and collects aquatic plants. It is owned and operated by the Canadian Lakes Property Owners Corporation. Areas of operation are based on maps provided by Progressive AE. Operations are conducted continuously throughout the summer, targeting plants that are better controlled through mechanical removal than herbicide application. It is important to utilize the Truxor harvesting capabilities as it removes tons of plant biomass from the lakes each year.



Truxor harvesting aquatic plants on Canadian Lakes