









- Increased light levels due to non-native mussel filtering activity
- excessive nutrient inputs accumulate in the sediments where they are available for plant growth
 - Perhaps enhanced by zebra mussel pseudo-feces?
 - often combined with introductions of non-native species which are able to exploit these nutrient-enriched conditions
 - i.e. Eurasian milfoil
- with the excessive growth of non-natives, many of the benefits provided by the native macrophyte species are lost and replaced by:
 - temporal (diurnal or seasonal) reductions in dissolved oxygen (DO) owing to plant respiratory demands for oxygen and decay of dead organic matter by aerobic bacteria,
 - changes in benthic habitat for fish and invertebrates,







Herbicide Permits

No matter where you live in Ontario, if you wish to use a herbicide to control aquatic plants along your waterfront you must have a permit from the Ontario Ministry of Environment (OMOE), both to purchase the herbicide and to apply it. This OMOE permit is in addition to any other permit requirements listed.

Department of Fisheries and Oceans (DFO)

DFO administers the federal Fisheries Act, which prohibits the harmful alteration, disruption or destruction of fish habitat (HADD). They do not issue permits, but rather provide advice to other agencies as well as to the public for preventing or mitigating HADDs. Following DFO's "Friendly Practices" guidelines, found on their "Working Around Water?" fact sheets will simplify your application for a permit

Conservation Authorities (CAs)

Conservation Authorities provide approval for building projects close to and affecting water bodies but do not have jurisdiction for work below the high water mark. Consequently, they do not have authority over aquatic plant removal, unless it is part of a project at the shoreline. As noted, however, they can stand in for DFO in advising the permit granting agencies.