

# Hydrilla

## *Hydrilla verticillata*

### Description

This species has been listed as a noxious weed under federal law and is also prohibited under Michigan law.

### Habit

Submerged, rooted, perennial; forms monocultures.

### Leaves

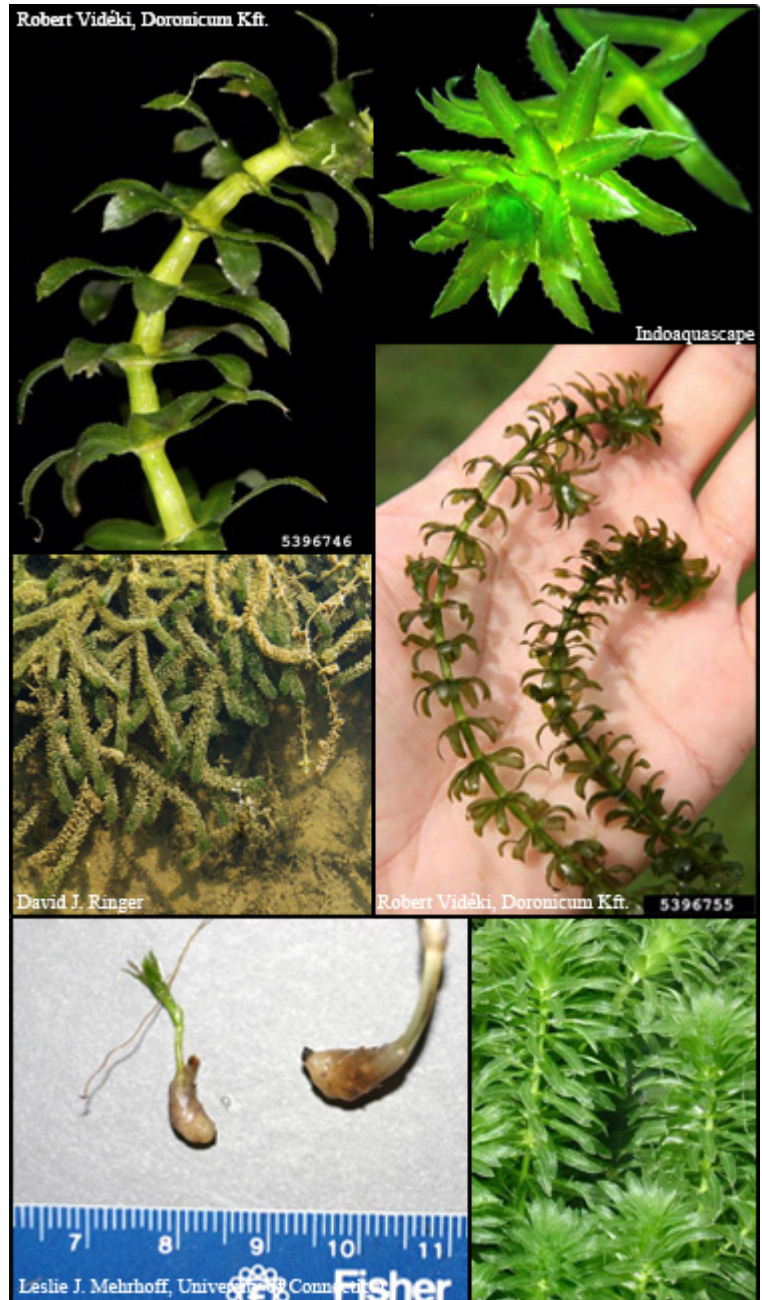
Whorls of 3-10 thin (2-4 mm wide, 6-20 mm long), rough leaves at the node, small spines give the leaf margin a toothed appearance, midribs red and often spiny.

### Stems

Usually rooted in water up to 6 m (20 ft) deep; little branching in deep water but dense at water's surface; forms horizontal stems in water (stolons) and underground (rhizomes).

### Flowers

Female flowers are small, white, 6 parted, and





occur from leaf axils; male flowers are green in color and resemble an inverted bell.

### **Fruits and Seeds**

Seed pod, cylindrical, 1-5 smooth, tiny, brown in color.

### **Habitat**

Found in lakes, ponds, reservoirs and ditches.

### **Reproduction**

Vegetatively by tubers and vegetative winter buds (turions), fragments root at nodes, seed less important.

### **Similar**

Canadian waterweed (*Elodea canadensis*) lacks Hydrilla's toothed leaf margins, red veins, and spiny leaf midrib.

### **Monitoring and Rapid Response**

Monitor aquatic habitats. Mechanical removal is problematic as fragments may produce new plants. Drawdown from fall through spring may reduce population levels. Herbicides with contact poisons have been used to control hydrilla but are non-selective and may be highly toxic to fish; systemic herbicides reduce the overall growth rate of this species, without eliminating it completely. BioControls are being tested. Permits are usually required for herbicide use in water bodies and wetlands. For information see [MDEQs Aquatic Nuisance Control website](https://www.michigan.gov/egle/0,9429,7-135-3313_3681_3710---,00.html) at: [https://www.michigan.gov/egle/0,9429,7-135-3313\\_3681\\_3710---,00.html](https://www.michigan.gov/egle/0,9429,7-135-3313_3681_3710---,00.html). As this species is not yet recorded in Michigan, it is important to document new occurrences. Please obtain flowering or fruiting specimens and submit to: Anton Reznicek, Curator (Vascular Plants), University of Michigan Herbarium, 3600 Varsity Drive, Ann Arbor, MI 48108-2287.

### **Credits**

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