



Curly-leaf Pondweed (*Potamogeton crispus*)

SEARCH LOCATIONS

- In water **3-10 feet deep**
- Fragments along shoreline

SEARCH TIME

- **Ice-off through August**

SEARCH IMAGE

- Submerged **"lasagna"** leaves

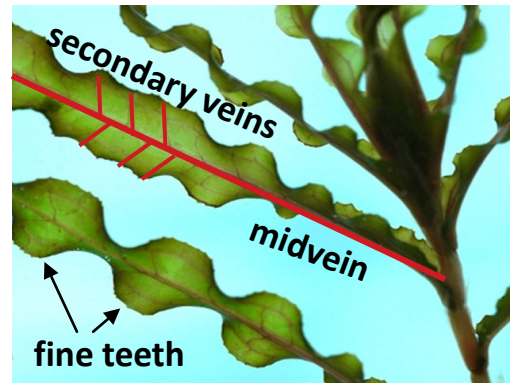
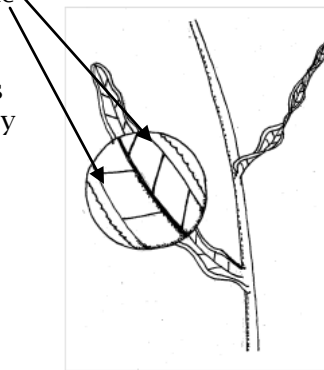


IDENTIFICATION CHECKLIST

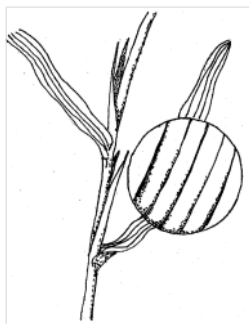
- ✓ 1) Leaf edges have **fine teeth**
- ✓ 2) Leaves have **secondary veins branching** from the midvein

OTHER HELPFUL HINTS

- A single **leaf vein runs parallel** to the leaf edge
- Leaf tips are **blunt** (not pointed)
- Branching stems may/not form **mats** just below water surface (flowers may extend above water)



LOOK-ALIKES with "lasagna" leaves



These native look-alikes have **parallel** (not branching) **leaf veins**

INFORMATION ON HUBBARD COUNTY AQUATIC INVASIVE SPECIES WATCH:

Curly-leaf Pondweed (*Potamogeton crispus*)

MINNESOTA STATUS: *Prohibited invasive species*

It is unlawful (a misdemeanor) to possess, import, purchase, transport, or introduce curly-leaf pondweed except under a permit for disposal, control, research, or education.

IF YOU FIND A NEW OCCURANCE OF CURLY-LEAF PONDWEED

- 1) Record its location (GPS coordinates, labeled dot on map or landmark)
- 2) Record the date
- 3) Document the plant (electronic images that include items on the “checklist”)
- 4) Provide this information to the local MN DNR Aquatic Invasive Species Specialist. Name and contact information can be found at: <http://www.dnr.state.mn.us/invasives/ais/contacts.html>

METHOD(S) OF REPRODUCTION

- “Turions” (dormant buds; see images below) form on the plants, sink and lie dormant on the lake bottom during the hottest part of summer; they germinate in the fall and live under the ice during winter
- Stem segments can root and grow into new plant (stems break from waves, boat propellers, harvesting)
- Underground stems (rhizomes) spread outward from original plant to form new plants
- No germination of seeds has been observed

VECTORS OF SPREAD

- Plants or stem fragments in/on boats, motors, live wells, bilges, boat trailers, other equipment

RESOURCES

Center for Invasive Species and Ecosystem Health: <http://www.invasive.org>

MN Dept. of Natural Resources: http://www.dnr.state.mn.us/invasives/index_aquatic.html and http://files.dnr.state.mn.us/aboutdnr/reports/legislative/2012_invasive_species_annual_report_final.pdf

2/2016

