



IDENTIFICATION OF MINNESOTA AQUATIC INVASIVE:

Curly-leaf Pondweed

(*Potamogeton crispus*)

SEARCH LOCATIONS

In water 3-10 feet deep

SEARCH TIME

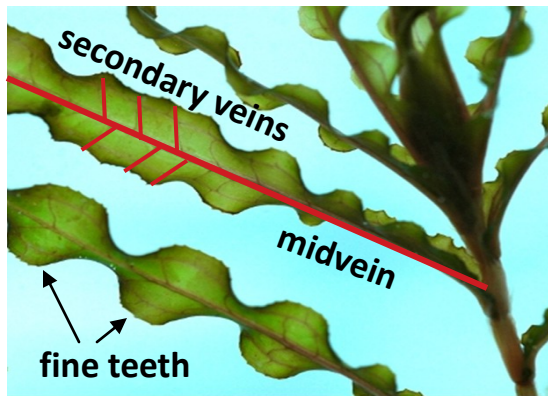
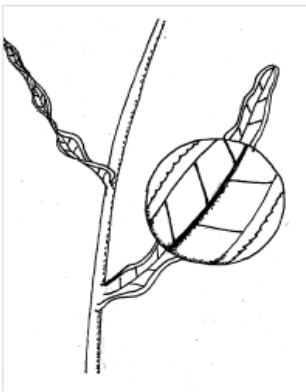
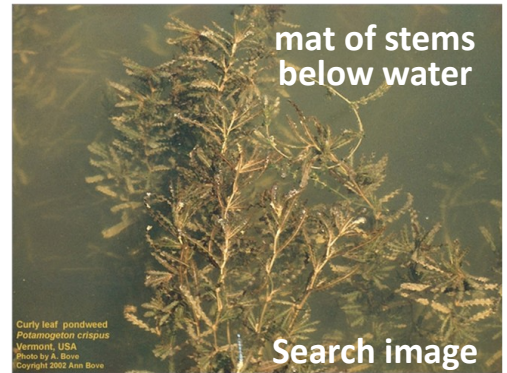
Ice-off through August

SEARCH IMAGE

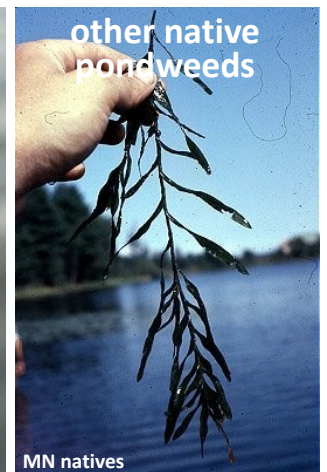
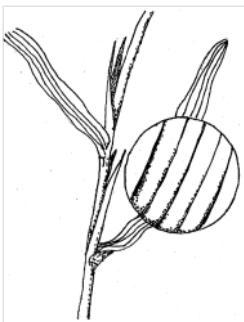
- Branching stems may/not form **mats** just below water surface (flowers may extend above water)
- “Lasagna” leaves

IDENTIFICATION CHECKLIST

- ✓ Leaves attach to stem **alternately**
- ✓ Leaf edges have **fine teeth**
- ✓ Leaves have **secondary veins branching from the midvein**



LOOK-ALIKES with “lasagna” leaves



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

INFORMATION ON MINNESOTA AQUATIC INVASIVE:

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 or make pressed samples that include items on the “checklist”)
- 4) Provide this information to the local MN DNR Aquatic Invasive Species Specialist, Rich Rezanka (richard.rezanka@state.mn.us)

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

STRATEGIES FOR RESTORING NATIVE PLANT COMMUNITY

(Contact your local MN DNR for permit and specific details)

- 1) Ongoing curly-leaf pondweed control, including chemical and mechanical treatments (no biocontrols available)
- 2) Allow native aquatic plant community to recover

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

