

July 13, 2022 NEAR Aquatic Plant Survey Results (pre-treatment)

- No invasive Hydrilla or Eurasian milfoil were found.
- New *Trapa natans* (Water chestnut) was found as only a couple plants, which were hand-removed by NEAR staff. This species can be spread by birds.
- Only one location with invasive *Potamogeton crispus* (Curly-leaf pondweed)
- Non-native *Glossostigma* (Mud-mat) is a very low growing plant, located only in shallow water; not major concern compared to other aquatic invasive species.
- *Phragmites australis* (Common-reed) have been present in wetland/shoreline locations around Coventry Lake for many years. Not managed at present.
- State-listed *Potamogeton vaseyi* (Vasey's pondweed) still present.
- *Potamogeton amplifolius* (Large-leaf pondweed) and *Potamogeton perfoliatus* (Clasping-leaf pondweed) may present nuisance growth in certain locations around the lake. Can be managed in the future, but only if necessary to preserve recreation. It is a native species.

Coventry Lake 2022 Pre-treatment Survey Species List

Ceratophyllum demersum	<i>Phragmites australis</i>
Chara sp.	<i>Potamogeton amplifolius</i>
Eleocharis acicularis	<i>Potamogeton berchtoldii</i>
Elodea canadensis	<i>Potamogeton bicupulatus</i>
Elodea nuttallii	<i>Potamogeton crispus</i>
Filamentous algae	<i>Potamogeton perfoliatus</i>
<i>Glossostigma cleistanthum</i>	<i>Potamogeton pusillus</i>
Gratiola sp.	<i>Potamogeton vaseyi</i>
Ludwigia sp.	<i>Sagittaria graminea</i>
Lyngbya cyanobacteria mats	<i>Trapa natans</i>
Myriophyllum tenellum	<i>Typha latifolia</i>
Najas flexilis	<i>Vallisneria americana</i>
Nitella sp.	<i>Zosterella dubia</i>

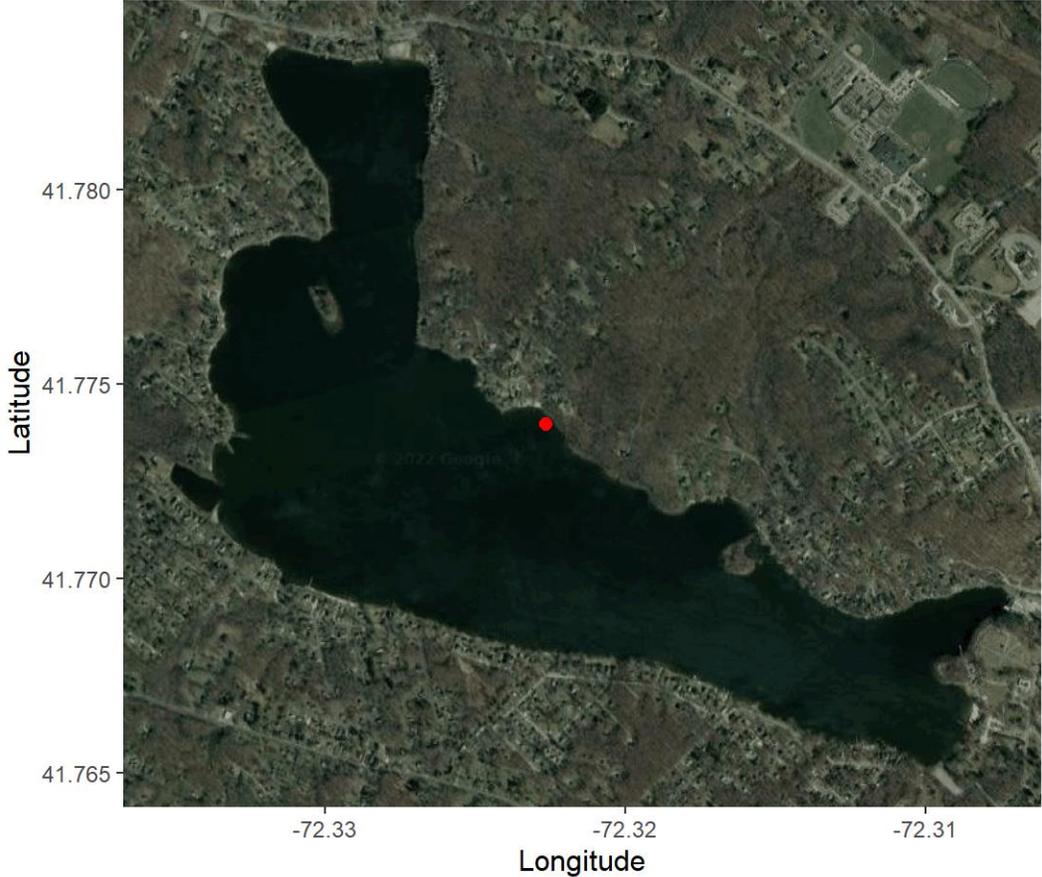
Invasive Species

State-listed rare Species

Species present at potentially nuisance levels in certain areas

Location where new invasive Water chestnut was found and hand-removed by NEAR

Coventry 7-13-22: *Trapa natans*



Trapa natans

Common names:
Water chestnut
European water chestnut

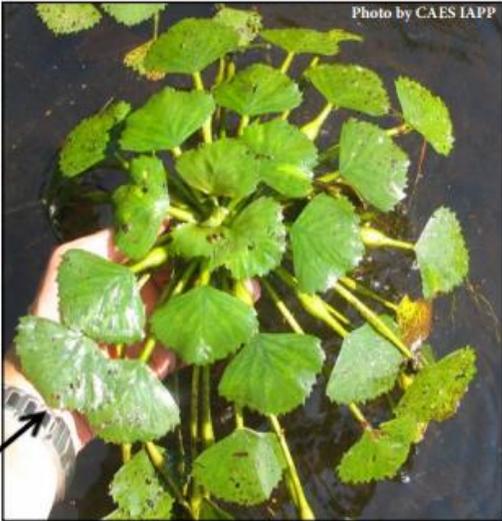
Origin:
Asia and Europe

Key features:
Plants are rooted to substrate and float
Stems: Stem is submersed, flaccid and can be up to 15 feet (5 m) long
Leaves: Leaves 0.8-0.16 inches (2-4 cm) long are triangular and toothed along the front edge with inflated petioles, leaves float in a rosette pattern
Flowers: Flowers are located in the center of the rosette and have four white petals
Fruits/Seeds: Fruit is hard and has four sharp spines
Reproduction: Seeds and fragmentation

Easily confused species:
None



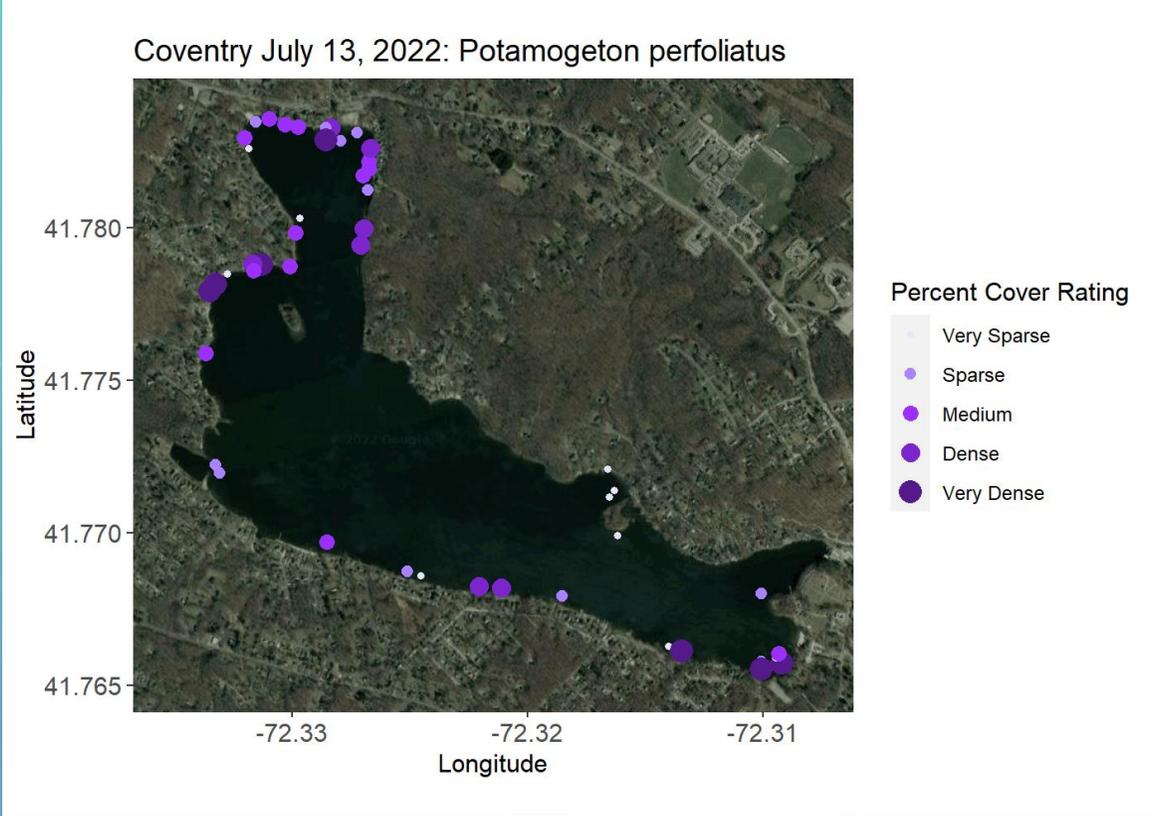
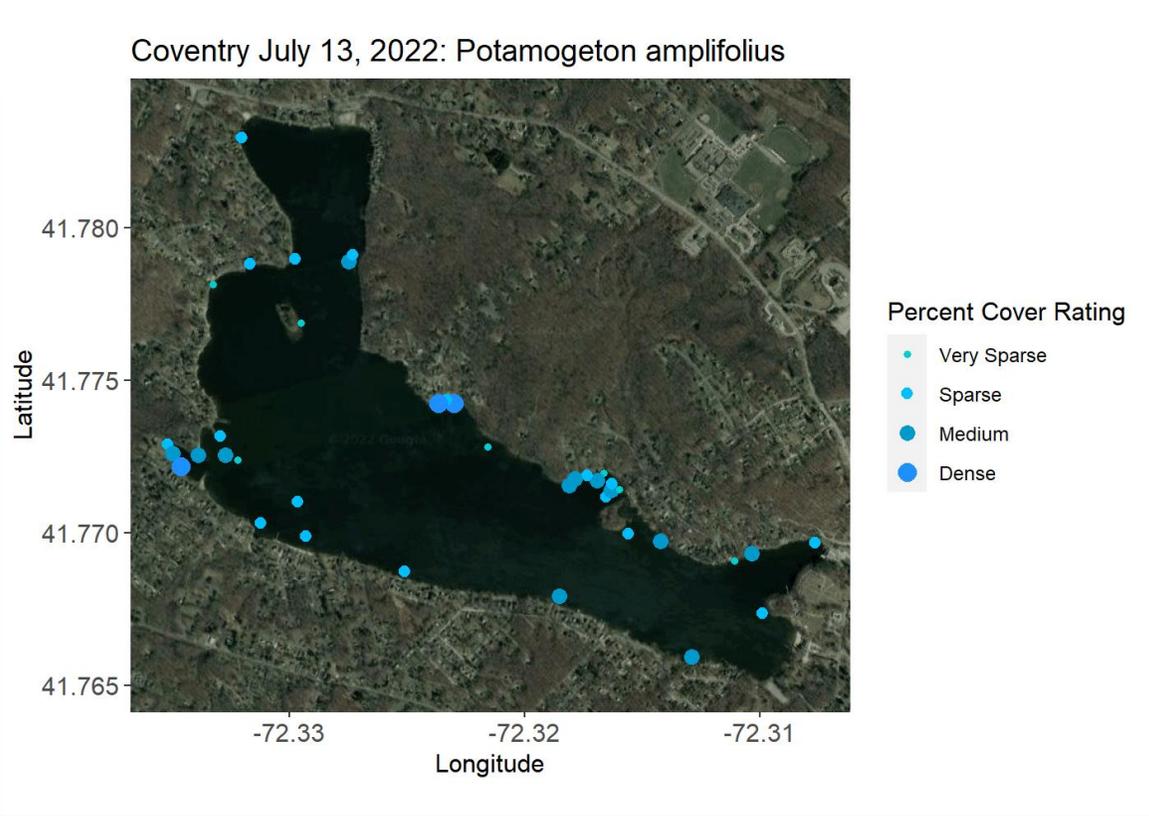
← Fruit



→ Rosette

https://www.branford-ct.gov/sites/default/files/field/files-docs/2012_field_guide_online_1.pdf

Locations where native Large-leaf pondweed (*Potamogeton amplifolius*) and native Clasping-leaf pondweed (*Potamogeton perfoliatus*) are present in Coventry Lake 2022



<https://www.minnesotawildflowers.info/aquatic/large-leaved-pondweed>



Photos by Hillary Kenyon @ Coventry Lake