Aquatic Plants of Marsh, Jones and Downing Ponds, New Durham



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Overview

- This slideshow includes four sections aimed at helping you effectively Weed Watch on your waterbody:
 - The first section shows photos of NATIVE aquatic plants that have been documented in your waterbody to date. Learn these and ignore them! They are fine.
 - The second section shows photos of algae you may encounter during your survey. Some are good, some are of concern.
 - The third section shows photos of INVASIVE aquatic plants you <u>do not</u> want in your waterbody. Search for these and report immediately!
 - The final section shows photos of INVASIVE aquatic animals you <u>do not</u> want in your waterbody. Search for these and report immediately!

Types of Aquatic Plants

Emergent





Submergent





Floating

Algae

Plant Refresher Native plants of

Marsh, Jones and Downing Ponds

Floating-leaved plants

 Includes both rooted and unrooted here









Duckweed- note that this is a very tiny plant, which almost appears as a scum on the surface, often mistaken for an algal bloom. Top side of leaves is green, underside is red with trailing roots.





Emergent plants

 Plants that are rooted and have most of their biomass as erect vegetation above the water























Arrow arum



Submergent plants

- Rooted or unrooted
- Vegetative portion wholly underwater
- Flowers may be emergent







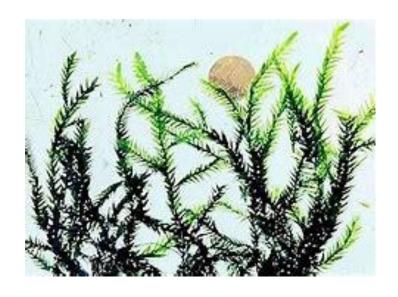




Spike rush (emergent and submergent)



Aquatic moss (Fontinalis)



Algae (also important to look at)



- Single celled to colonial
- Simple plants
- Base of the food chain



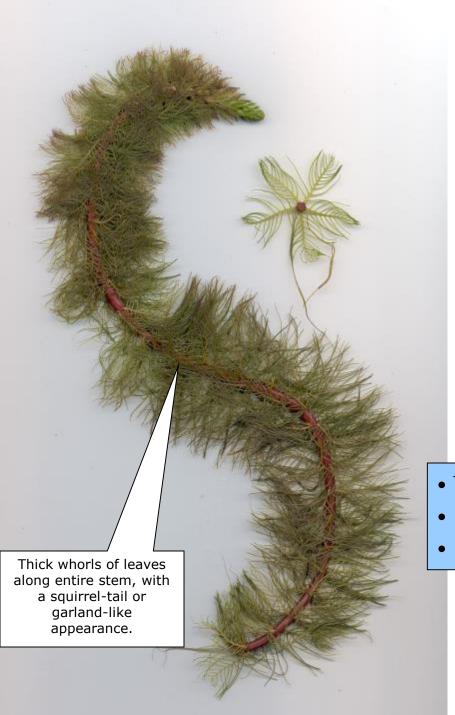


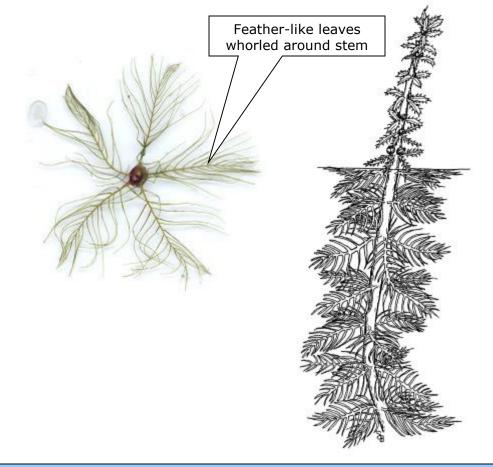
The Exotic Plants (aka- plants you don't want)

Use these pictures to help you identify any new growth that may come in.

Report any sightings of these to: Amy P. Smagula NH DES 29 Hazen Drive Concord, NH 03301 Amy.Smagula@des.nh.gov 603-271-2248



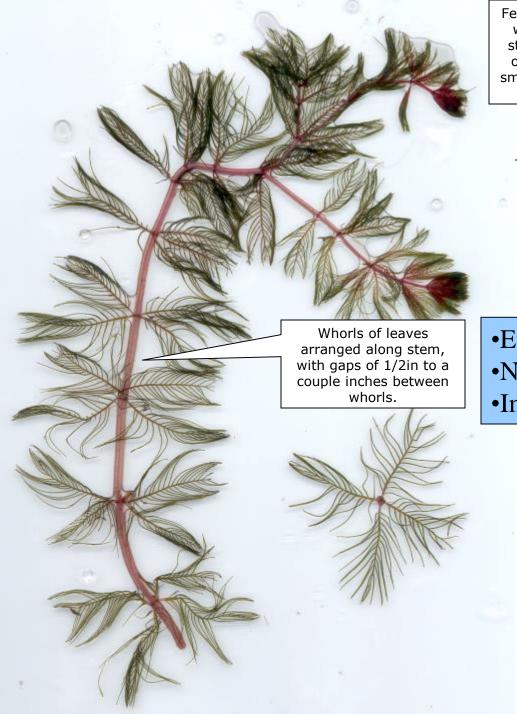




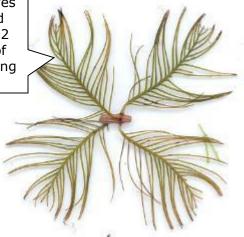
- Variable milfoil- *Myriophyllum heterophyllum*
- Native to southern and central U.S., not to NH
- In several waterbodies in NH







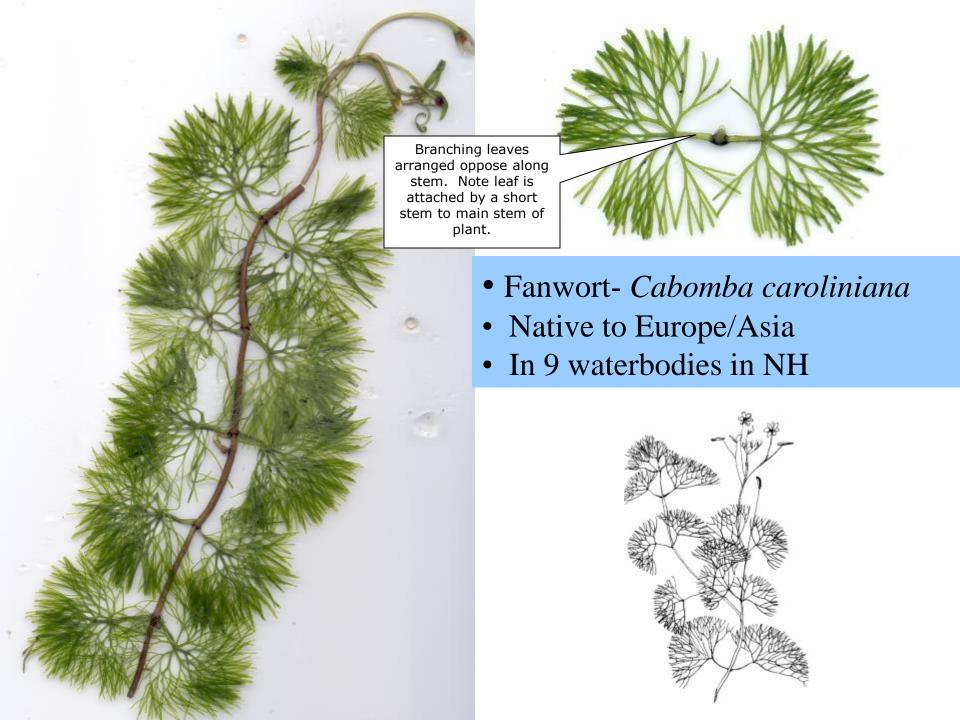
Feather-like leaves whorled around stem, at least 12 or more pairs of small leaflets along one leaf



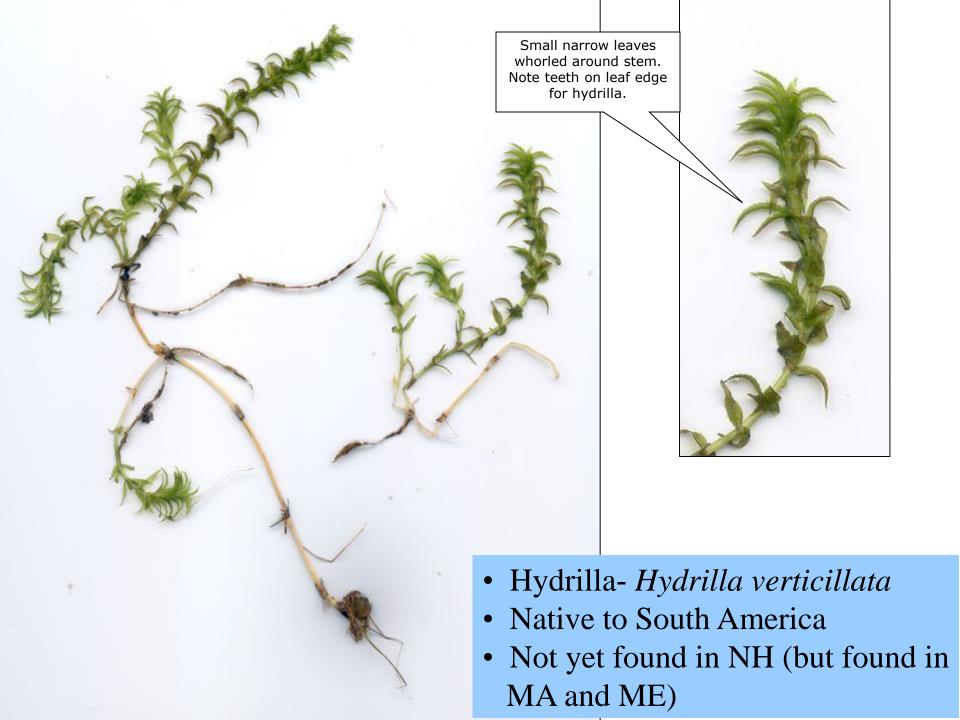
- •Eurasian milfoil- Myriophyllum spicatum
- •Native to Asia
- •In 5 waterbodies in NH







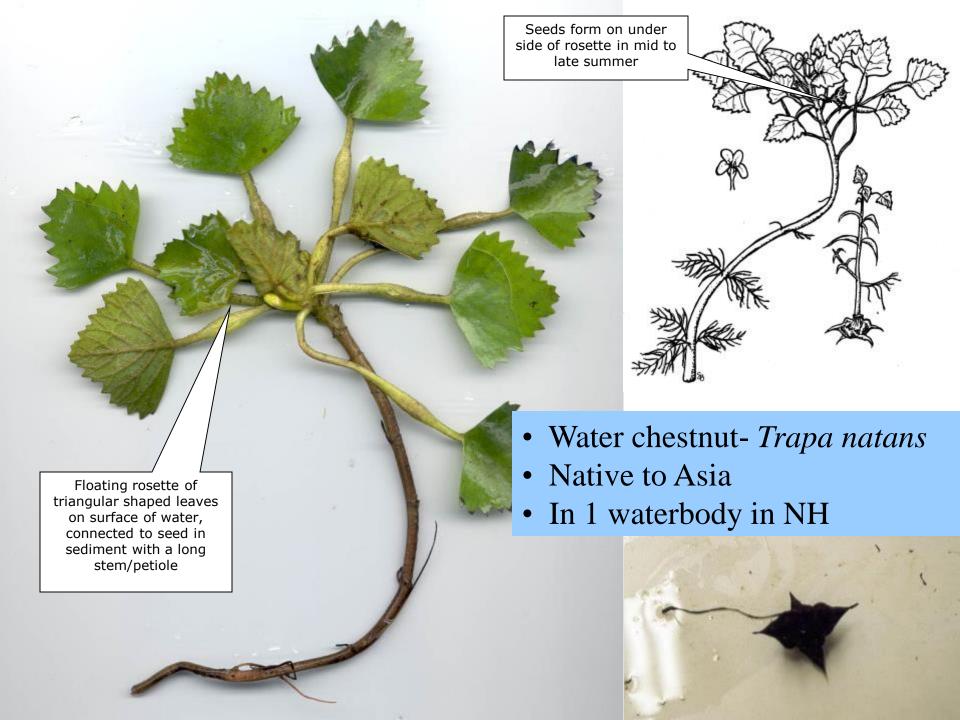








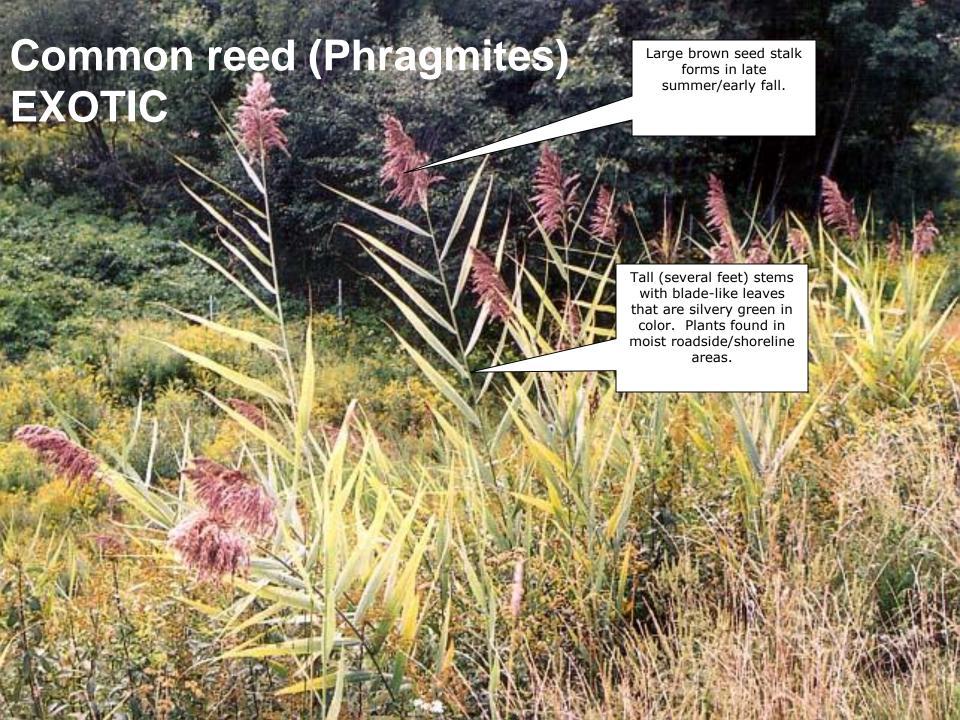










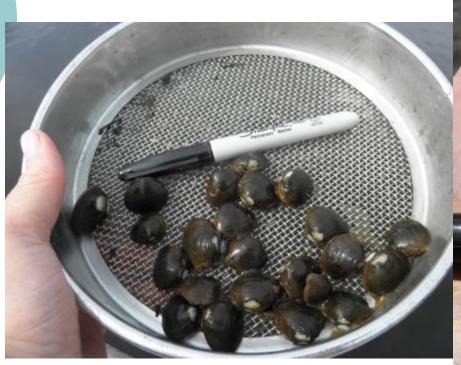




Invasive Aquatic Animals (aka- critters you don't want)

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Asian Clam



Roughly the diameter of a dime, sometimes a quarter



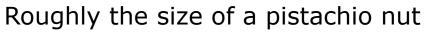
Chinese Mystery Snail





Zebra Mussel



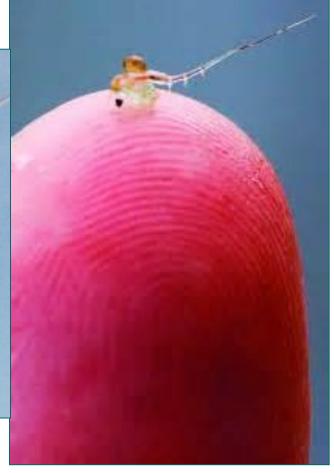




Spiny Water Flea



Several spiny water fleas on fishing line



Spiny water flea on fingertip

Please...

When in doubt about an identification, please send in voucher specimens or email photos of what you have to Amy.Smagula@des.nh.gov for proper identification.