







COMMON EMERGENT SPECIES			NC STATE UNIVERSITY
			
Pickerelweed <i>Pontederia cordata</i> Purple flowers arranged in a spike. Cordate leaf base.	Common Arrowhead <i>Sagittaria laifolia</i> White flowers arranged in whorls of 3. Sagittate leaf base. Veins palmate.	Arrow Arum <i>Peltandra virginica</i> Leaves with 3 main veins plus one small vein parallel to the entire margin	Cattail <i>Typha spp.</i> Stems can grow up to 7 feet tall. Flowers arranged in a spike.

AQUATIC PLANT MANAGEMENT

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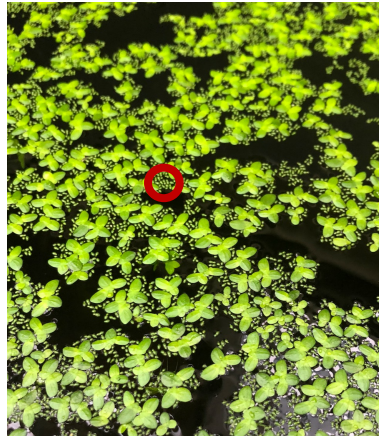
COMMON FLOATING-LEAVED SPECIES		NC STATE UNIVERSITY
Common Duckweed <i>Lemna minor</i> NATIVE		
asexual (vegetative) reproduction single rootlet		 Leaves about 2-5 mm long and 1.5-3.5 mm across, smooth, succulent texture

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COMMON FLOATING-LEAVED SPECIES

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**Watermeal***Wolffia spp.***NATIVE**Often confused with
duckweed or algal scumsTiny, rootless,
ellipticalSmallest flowering
plant in the world!

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COMMON FLOATING-LEAVED SPECIES

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Giant Salvinia*Salvinia molesta***NON-NATIVE**Leaves free-floating,
dimpled, ellipticOpposite leaf
arrangementVegetative reproduction;
forms dense matsLeaves covered in
branched hairs that
fuse at tip

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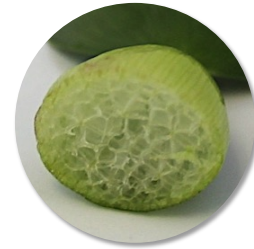
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COMMON FLOATING-LEAVED SPECIES

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Water Hyacinth*Eichhornia crassipes***NON-NATIVE**

Flowers showy, purple,
borne on stalks



Leaves inflated spongy
bulbs with round,
glossy blades



Free-floating
basal rosette

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COMMON FLOATING-LEAVED SPECIES

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Crested Floating Heart*Nymphoides cristata***NON-NATIVE**

Leaves cordate, entire,
with deep red or purple
margins, floating

Stems bottom-rooted,
thin, elastic



Flowers delicate, white,
5-petaled, ruffled (crested)



Reproduces by seed,
fragmentation



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COMMON FLOATING-LEAVED SPECIES

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Yellow Floating Heart*Nymphoides peltata***NON-NATIVE**

Leaves cordate, ruffled margins, floating, light to dark green

Stems bottom-rooted, thin, elastic



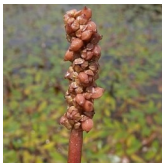
Flower yellow, 5-petaled, fringed edges

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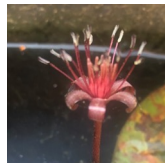
COMMON FLOATING-LEAVED SPECIES

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Long-leaved Pondweed

Potamogeton nodosus



Watershield

Brasenia schreberi



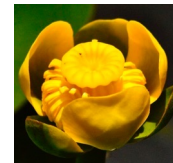
Fragrant Water Lily

Nymphaea odorata



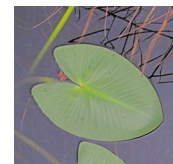
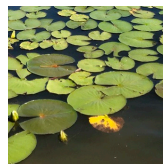
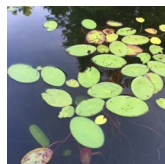
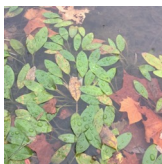
Yellow Lotus

Nelumbo lutea



Spatterdock

Nuphar luteum



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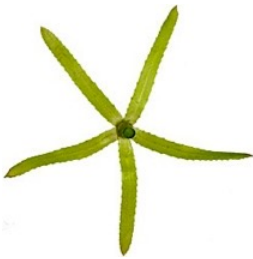
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COMMON SUBMERSED SPECIES

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Hydrilla*Hydrilla verticillata***NON-NATIVE**

Leaves linear,
serrated edges
and midvein



Leaves arranged in
whorls of 5



Reproduces by
fragmentation,
tubers, turions,
seed

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COMMON SUBMERSED SPECIES

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Brazilian Elodea*Egeria densa***NON-NATIVE**

Leaves linear, smooth
edges and midvein,
short internode
distance



Rooted or free floating,
submersed



small, white,
3-petaled flower

Leaves arranged in
whorls of 4 - 5


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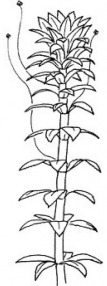


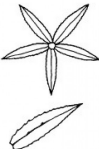


American Waterweed

Elodea Canadensis
Native



1 cm

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Center for Aquatic and Invasive Plants

HYDRILLA	ELODEA	EGERIA
		
		
		

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Southern Naiad

Najas guadalupensis
Native




Brittle Naiad

Najas minor
Non-Native




5400638

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Long-leaved Pondweed
Potamogeton nodosus



Curly-leaf Pondweed
Potamogeton crispus



Variable-leaf Pondweed
Potamogeton diversifolius



Slender Pondweed
Potamogeton pusillus



Horned Pondweed
Zannichellia palustris

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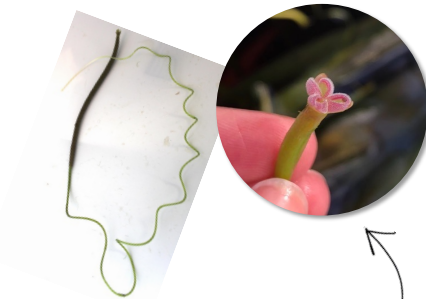
COMMON SUBMERSED SPECIES

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Tape-Grass *Vallisneria americana* NATIVE

Leaves long, thin,
ribbon-like,
no apparent veins

Basal
leaf arrangement



Female flowers small, purple
float to surface

Male flowers formed in spathes
then free-floating

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COMMON EMERGENT SPECIES

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Parrot Feather

Myriophyllum aquaticum
NON-NATIVE



Emergent leaves are waxy, green

Submersed leaves are delicate, green to red.

Leaves arranged in whorls of 4 - 6



Leaves finely divided into 10+ leaflet pairs.



Flowers occur on leaf axils, dioecious

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COMMON SUBMERSED SPECIES

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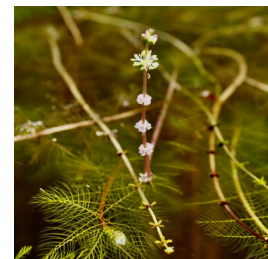
Eurasian Watermilfoil

Myriophyllum spicatum
NON-NATIVE



Leaves finely divided into 12 or more leaflet pairs

Leaf arranged in whorls of 4



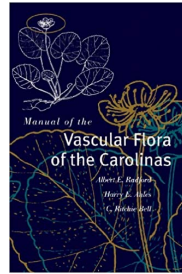
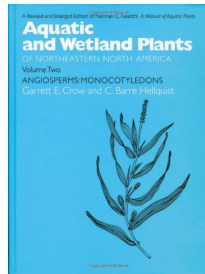
Inflorescence arranged in a terminal spike with small yellow flowers

Stems thin, range from red, green, yellow in color.

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Helpful Resources: Plant ID Books



Scan for more info!

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Helpful Resources: Plant ID Apps



PictureThis™



PlantSnap™



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Contact and Acknowledgements

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Ms. Kara Foley

Questions?