

<h1 style="text-align: center;">Non-native Plant and Animal Species in Aquatic and Wetland Habitats in Vermont</h1> <p style="text-align: center;">Updated May 2004</p>	Elements of the VTDEC's Aquatic Nuisance Control Program				
	Control Research Technology	Environmental Monitoring	Control and Spread Prevention	Admin. of Grants and Permits	Public Info and Education
<b>Category One:</b> Non-native aquatic or wetland species with a demonstrated ability to be highly invasive on a localized or widespread scale. These species are currently having economic and/or ecological impacts in Vermont.					
<a href="#">flowering rush</a> ( <i>Butomus umbellatus</i> )		√			√
yellow flag iris ( <i>Iris pseudacorus</i> )		√			√
<a href="#">Japanese knotweed</a> ( <i>Fallopia japonica</i> )					√
<a href="#">purple loosestrife</a> ( <i>Lythrum salicaria</i> )	√	√	√	√	√
<a href="#">Eurasian watermilfoil</a> ( <i>Myriophyllum spicatum</i> )	√	√	√	√	√
<a href="#">common reed</a> ( <i>Phragmites australis</i> )					√
<a href="#">water chestnut</a> ( <i>Trapa natans</i> )	√	√	√	√	√
<a href="#">zebra mussel</a> ( <i>Dreissena polymorpha</i> )	√	√	√	√	√
<b>Category Two:</b> Non-native aquatic or wetland species considered having the potential to be invasive on a localized or widespread scale.					
<a href="#">European frogbit</a> ( <i>Hydrocharis morsus-ranae</i> )		√			√
<a href="#">slender-leaved naiad</a> ( <i>Najas minor</i> )		√			√
<a href="#">yellow floating heart</a> ( <i>Nymphoides peltata</i> )		√			√
<a href="#">curly leaf pondweed</a> ( <i>Potamogeton crispus</i> )		√			√
great water cress ( <i>Rorippa amphibia</i> )					√
<a href="#">alewife</a> ( <i>Alosa pseudoharengus</i> )					F&W
faucet snail ( <i>Bithynia tentaculata</i> )		√			√
Chinese mystery snail ( <i>Cipangopaludina chinensis</i> )		√			√
mute swan ( <i>Cygnus olor</i> )			F&W		F&W
common carp ( <i>Cyprinus carpio</i> )					
gizzard shad ( <i>Dorosoma cepedianum</i> )					
white perch ( <i>Morone americana</i> )					
rusty crayfish ( <i>Orconectes rusticus</i> )		√			√
European rudd ( <i>Scardinius erythrophthalmus</i> )					

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<b>Category Three:</b> Non-native aquatic or wetlands species not known to be present in Vermont, but with the potential to become invasive if/when they arrive. Known regional location follows scientific name.						
<u>fanwort</u> ( <i>Cabomba caroliniana</i> )	CT, MA, NH, NJ, NY, PA, RI	√	√			√
<u>Brazilian elodea</u> ( <i>Egeria densa</i> )	CT, MA, NH, NJ, NY, PA	√	√			√
<u>East Indian hygrophila</u> ( <i>Hygrophila polysperma</i> )	FL	√	√			√
<u>hydrilla</u> ( <i>Hydrilla verticillata</i> )	CT, MA, ME, NJ, PA	√	√			√
<u>giant salvinia</u> ( <i>Salvinia molesta, auriculata, biloba or herzogii</i> )	NC	√	√			√
<u>parrot's feather</u> ( <i>Myriophyllum aquaticum</i> )	CT, NJ, NY, MA, PA	√	√			√
<u>variable-leaved watermilfoil</u> ( <i>Myriophyllum heterophyllum</i> )	CT, MA, ME, NH, NY, RI	√	√			√
spiny water flea ( <i>Bythotrephes cederstroemi</i> )	NY					√
asiatic clam ( <i>Corbicula fluminea</i> )	NY, MA					
quagga mussel ( <i>Dreissena bugensis</i> )	NY, Quebec	√	√			√
Eurasian ruffe ( <i>Gymnocephalus cernuus</i> )	Lakes Superior & Huron					√
round goby ( <i>Neogobius melanostomus</i> )	NY					√
tubenose goby ( <i>Proterothinus marmoratus</i> )	NY					
tench ( <i>Tinca tinca</i> )	NY		F&W			F&W

√ = VT Department of Environmental Conservation

F&W = VT Department of Fish & Wildlife

For specific information on the species or programs listed above contact:

**VT Department of Environmental Conservation at**

802-241-3777 or [www.vtwaterquality.org](http://www.vtwaterquality.org)

or

**VT Department of Fish & Wildlife at**

802-241-3700 or [www.anr.state.vt.us/fw/fwhome](http://www.anr.state.vt.us/fw/fwhome)