

# Aquatic Invasive Species & Fish Diseases

Rank #	Ecological Rank Definitions
1	This category includes species that are either new to the watershed or new to a particular portion of the watershed (such as a new spatial occurrence in a priority location). These species have the potential to disrupt entire aquatic communities.
2	This category includes species that are already established in Lake Ontario or the watershed. These species have the potential to disrupt entire aquatic communities.
3	This category includes species with low or localized impacts on the surrounding aquatic community or those in which the potential threat is uncertain.
*	These species are not yet present in the watershed. These are on a 'watch list' of species that have the potential to impose significant impacts on aquatic systems should they be introduced.
Rank #	Management Rank Definitions
1	This category includes species whose distribution and occurrence is such that efforts to eradicate may prove successful if undertaken in a timely manner. Tools or techniques are available to enable management. Rapid response to detection is advisable on any new reports.
2	This category includes species whose characteristics of dispersal and introduction to new areas of the watershed is such that containment over the long term is not likely feasible. Efforts should focus on actively monitoring, reducing dispersal, and keeping the species out of high quality habitats and sensitive areas.
3	This category includes species that have already spread throughout the watershed or there are no tools and techniques available to contain or slow the spread. Efforts should focus on monitoring and opportunistic removal.

## Aquatic Invasive Species & Fish Diseases

Common Name	Latin Name	Ecological Rank	Management Rank
Common Carp	<i>Cyprinus carpio</i>	1	2
Frog Virus 3 (FV3) (type species of Ranavirus genus)		1	2
Quagga Mussel	<i>Dreissena rostriformis bugensis</i>	1	3
Round Goby	<i>Neogobius melanostomus</i>	1	1
Rudd	<i>Scardinius erythrophthalmus</i>	1	1
Sea Lamprey	<i>Petromyzon marinus</i>	1	1
Zebra Mussel	<i>Dreissena polymorpha</i>	1	3
Banded Mystery Snail	<i>Viviparus georgianus</i>	2	3
Goldfish	<i>Carassius auratus</i>	2	2
Oriental Mystery Snail	<i>Cipangopaludina chinensis</i>	2	3
Amur Carp (Koi)	<i>Cyprinus rubrofuscus</i>	3	2
Red-eared Slider Turtle	<i>Trachemys scripta elegans</i>	3	3
Allegheny Crayfish	<i>Faxonius obscurus</i>	1*	3
Bighead Carp	<i>Hypophthalmichthys nobilis</i>	1*	1
Black Carp	<i>Mylopharyngodon piceus</i>	1*	1
Didymo Algae (rock snot)	<i>Didymosphenia geminata</i>	1*	2
Grass Carp	<i>Ctenopharyngodon idella</i>	1*	1
Louisiana Crayfish	<i>Procambarus clarkii</i>	1*	3
Marbled Crayfish	<i>Procambarus virginalis</i>	1*	3
Ruffe	<i>Gymnocephalus cernuus</i>	1*	1
Rusty Crayfish	<i>Faxonius rusticus</i>	1*	3
Silver Carp	<i>Hypophthalmichthys molitrix</i>	1*	1
Snakehead	Genera <i>Channa</i> and <i>Parachanna</i>	1*	1
Tench	<i>Tinca tinca</i>	1*	1
VHS (Viral Hemorrhagic septicaemia)		1*	2
Bloody-red Mysid	<i>Hemimysis anomala</i>	2*	3
Fishhook Waterflea	<i>Cercopagis pengoi</i>	2*	3
Spiny Waterflea	<i>Bythotrephes longimanus</i>	2*	3
Tubenose Goby	<i>Proterorhinus semilunaris</i>	2*	1
Mosquito Fish	<i>Gambusia affinis</i>	3*	1