



Capital Region PRISM 2023 Aquatic High Priority Invasive Species List

For more information including resources for identification, visit www.capitalregionprism.org

To report an invasive species, visit www.nyimainvasives.org

Purpose: The Capital Region Partnership for Regional Invasive Species Management (CR-PRISM) created this list to identify the highest priority invasive species for monitoring, detection and response efforts within the Capital Region PRISM boundaries. This list fulfills Objective 2.4: *Anticipate new introductions and reassess current species of concern through event horizon scanning* within “Goal 2: Prevent” in the [CR-PRISM 2023-2027 Five-Year Strategic Plan](#). All species that comprise this list are high or very high threat and many are prohibited within the state of New York by the NYS Department of Environmental Conservation. This list will be shared with the Partnership to incorporate into their education and outreach, monitoring, detection, and response efforts.

These species were selected by the CR-PRISM staff through the revision of the CR-PRISM Tier List, ecological threat rankings and species regulatory status. In addition, event horizon scanning techniques were used including reviewing tier rankings on neighboring PRISM tier lists, the [NYNHP Statewide Tier List](#), and observing proximity of species to the CR-PRISM region for each species.

Tier 2 High Priority Invasive Species- species with few known populations in the Capital Region PRISM

Common Name	Scientific Name	Growth Type	Ecological Threat	Socio-economic Threat	Part 575 Regulatory Status
Brazilian elodea	<i>Egeria densa</i>	Submerged	H	Insignificant Negative	Prohibited
Chinese mitten crab	<i>Eriocheir sinensis</i>	Animal	M	Insignificant Negative	Prohibited
European frogbit	<i>Hydrocharis morsus-ranae</i>	Floating	VH	Insignificant Negative	Prohibited
Sea Lamprey	<i>Petromyzon marinus</i>	Animal	M	Significant Negative	Prohibited
Spiny waterflea	<i>Bythotrephes longimanus</i>	Animal	VH	High Negative	Prohibited
Starry stonewort	<i>Nitellopsis obtusa</i>	Submerged	VH	High Negative	x
Variable watermilfoil	<i>Myriophyllum heterophyllum</i>	Submerged	VH	Equal Outcome	Prohibited





Tier 1 High Priority Invasive Species- species not yet detected in the Capital Region PRISM

Common Name	Scientific Name	Growth Form	Ecological Threat	Socio-economic Threat	Part 575 Regulatory Status
Fanwort	<i>Cabomba caroliniana</i>	Submerged	VH	Insignificant Negative	Prohibited
Fishhook waterflea	<i>Cercopagis pengoi</i>	Animal	VH	Significant Negative	Prohibited
Freshwater Jellyfish	<i>Craspedacusta sowerbyi</i>	Animal	Moderate	Equal Outcome	x
Parrot feather watermilfoil	<i>Myriophyllum aquaticum</i>	Emergent	H	Not Assessed	Prohibited
Hydrilla	<i>Hydrilla verticillata</i>	Submerged	VH	Insignificant Negative	Prohibited
Northern snakehead	<i>Channa argus</i>	Animal	H	Significant Negative	Prohibited
Waterwheel plant	<i>Aldrovanda vesiculosa</i>	Submerged	Unknown	Insignificant Positive	x

Definitions:

Invasive Species

A species that is nonnative to the ecosystem under consideration, and whose introduction causes or is likely to cause economic or environmental harm or harm to human health. For the purpose of 6 NYCRR Part 575, the harm must significantly outweigh any benefits.

Prohibited Species

Prohibited invasive species cannot be knowingly possessed with the intent to sell, import, purchase, transport or introduce. In addition, no person shall sell, import, purchase, transport, introduce or propagate prohibited invasive species.

Regulated Species

Regulated invasive species, on the other hand, are species which cannot be knowingly introduced into a free-living state or introduced by a means that one should have known would lead to such an introduction, although such species shall be legal to possess, sell, buy, propagate, and transport.

Horizon Scanning

A process for identifying and assessing potential risks posed by non-native species that may be introduced and become established.

High Priority Invasive Species (HPIS)

A Tier 1 or 2 invasive species which poses a high or very high threat that are of particular concern with significant impacts to our ecosystems, economy, agricultural systems, and human health.

Species of Concern (SOC)

Species that have unknown consequences and impacts to our environment, economy, agricultural systems, and human health. These species have shown evidence of invasive tendencies that could pose moderate to very high threats. These species can be approaching the region or found locally.

