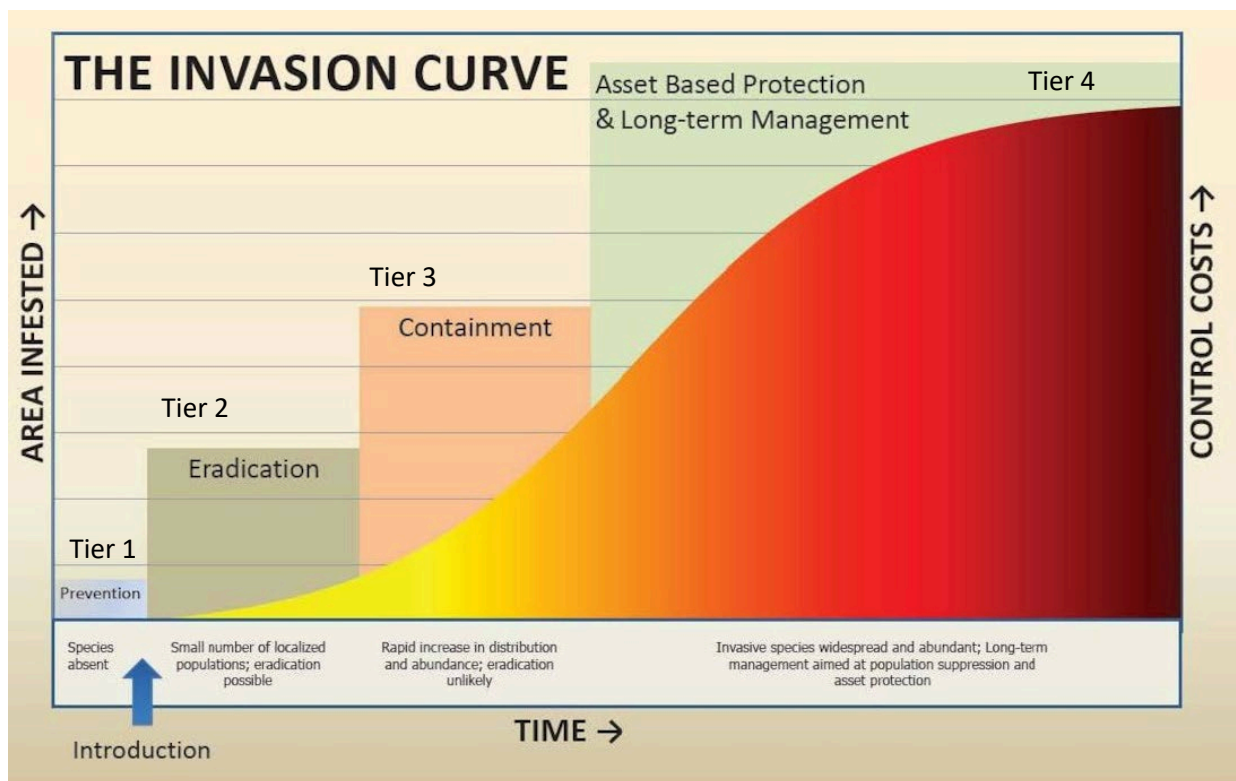




Capital Region PRISM Invasive Species Tier List 2024

The PRISM has categorized invasive species based on known populations into a tier ranking system. The purpose of the tier system is to focus attention on high threat species that are not found in our region or are appearing in small populations that are manageable with limited resources. Preventing the introduction of new species is the most cost-effective strategy in controlling invasive species. Early identification and rapid response to new infestations that are found in small populations can result in successful eradication. When an invasive species is found regionally over a widespread area the cost to control populations can become prohibitive.

The Invasion Curve below demonstrates that prevention is the most efficient and cost-effective method of controlling invasive species. As invasive species becomes more established over time, the effort, and associated costs of addressing infestations increases significantly. The PRISM has delineated populations into a tier system that follows the Invasion Curve.



(Photo by: USDA Forest Service 2005 Invasive Plant Environmental Impact Statement) VIRIN: 140305-A-CE999-053.JPG





Invasive Species Tier List Defined and Ranked

(October 2024 Last Revision)

Tier 1 - Prevention / Early Detection

Not in yet PRISM, with anticipated high or very high impacts. Highest level of survey efforts. Should conduct delineation surveys and assign to appropriate Tier if detected.

Tier 1a: Species not in the PRISM, but in the buffer (surrounding PRISM- within 100 miles of border)

Tier 1b: Species not in PRISM or the buffer, but in Eastern North America (with potential for establishment)

Tier 1c: Species far outside PRISM and buffer (not in Eastern North America), but introduction pathway exists

Tier 2 – Eradication / Full Containment may be Feasible

High and very high impact species with low enough abundance to make eradication feasible within the PRISM. Highest level of response efforts. Need delineation surveys to determine full extent. (at the low end of invasion curve)

Tier 3 – Containment / Strategic Management

High and very high impact species that are likely too widespread for eradication, but low enough abundance to think about regional containment. Target strategic management to slow the spread since many surrounding regions could be at risk if left unattended.

Tier 4 – Local Control / Exclusion or Suppression

Well-established species with high and very high impacts. Eradication efforts are not feasible; only localized management over time to contain, exclude, or suppress, if justified to meet local management goals. (Suppression efforts) *Subcategory: Not established outside of PRISM, manage to contain within PRISM.

Tier M - Monitor:

Tier Ma: Species in our PRISM that need more research, mapping, and monitoring to understand invasiveness and impacts. These species include potential sleeper species.

Tier Mb: Species surrounding our PRISM that need more research, mapping, and monitoring to understand invasiveness and impacts. These species include potential sleeper species.





New York State Natural Heritage Program Invasive Species Tier List

Invasive Species Tiers
Standardized species lists for each PRISM

		Difficulty of Eradication / Cost of Control Abundance (In PRISM plus Buffer)			
		None in PRISM	Low (Eradication/ Full containment may be feasible)	Medium (Strategic management to contain infestations and slow spread in PRISM)	High (Established/widespread in PRISM; only strategic localized management)
Impact (current and future)	Very High or High	TIER 1 <i>Early Detection/Prevention</i> Highest level of early detection survey efforts. Should conduct delineation surveys and assign to appropriate Tier if detected. a) Inside buffer, but not in PRISM b) Outside PRISM and Buffer, but close (eastern North America) c) Far outside PRISM and buffer (not in east NA), but introduction pathway exists	TIER 2 <i>Eradication</i> Highest level of early detection response efforts. High impact species with low enough abundance and suitable treatment method available to make eradication feasible within the PRISM. Need delineation surveys to determine extent.	TIER 3 <i>Containment</i> Target strategic management to slow the spread, as likely too widespread for eradication, but many surrounding regions could be at risk if left unattended. For plants, use the IPMDAT. Possible eradication candidate only if adequate resources and effective control methods available.	TIER 4 <i>Local Control</i> Eradication from PRISM not feasible; focus on localized management over time to contain, exclude, or suppress to protect high-priority resources like rare species or recreation assets. Be strategic when deciding if / where to control.
	Medium	<i>Evaluate (Medium Impact)</i> Further evaluate impacts and PRISM resources to see if the species should be assigned to one of the other lists. If this species could feasibly become high impact with climatic or other environmental changes, consider moving to the appropriate High Impact row based on abundance. If too little is known, consider moving to "Monitor".			
	Unknown	X	TIER M <i>Monitor</i> Species that need more research, mapping, and monitoring to understand their invasiveness. This includes naturalized species and cultivated-only species that are known to be invasive in other regions but are not yet invasive here. Invasiveness may change with environmental or genetic changes. Should monitor populations on a regular basis to see if they are starting to become invasive and assign to appropriate Tier if invasive infestations detected.		

Tier definitions were formalized in 2017 by the NYS invasive species network of PRISMs, state agencies, and NYNHP.

Buffer: An area chosen by the PRISM that surrounds the PRISM and takes in certain counties, states, and provinces. Most PRISMs use about 100 miles as the buffer.

Impact: Use the PRISM-specific invasiveness rankings if available or use NYS ranks (see nysis.info for existing ranks). For species that are not ranked yet, or PRISM-specific adjustments of state ranks are deemed necessary, use expert opinion and document justification. Low-impact species not included since cannot justify spending resources to control these.

Abundance: This is left as a qualitative metric, since assigning standardized values to categories is not feasible due to the diversity of species dispersal strategies and data gaps. This ranking system takes into account populations that have escaped into natural areas, but not intentionally (and legally) distributed individuals. For example, a landscape planting would not be counted.

The Capital Region Tier List is not comprehensive. The Tier List focuses on invasive species found within or near a PRISM that have a high or very high invasiveness ranking or are found to act aggressively enough in our region to be on the Tier List. This is only a subset of all invasive species and does not include all regulated and prohibited species. For a full list of NYS prohibited and regulated species as per NYCRR Part 575, please visit [here](#).

The New York State Natural Heritage Program has a comprehensive Statewide Tier List. To view that page click [here](#). On an annual basis the CR-PRISM does re-evaluate and update the Tier List for the Capital Region.





Aquatic Invasive Plant Species

Common name	Scientific name	Ecological Threat	Socio-Economic Threat	Regulatory Status	2024 Tier Rank
Indian swampweed	<i>Hygrophila polysperma</i>	Very High	Low Negative		1
Swamp crop	<i>Crassula helmsii</i>	High	Significant Negative		1
Water hyacinth	<i>Eichhornia crassipes</i>	High	Insignificant Negative		1
European water fern; european waterclover	<i>Marsilea quadrifolia</i>	Moderate	Insignificant Negative		1a
Fanwort	<i>Cabomba caroliniana</i>	High	Not assessed	Prohibited	1a
Floating primrose willow	<i>Ludwigia peploides ssp glabrescens</i>	Very High	Insignificant Negative	Prohibited	1a
Hydrilla	<i>Hydrilla verticillata</i>	Very High	Insignificant Negative	Prohibited	1a
Onerow yellowcress	<i>Nasturtium microphyllum</i>	High	Equal outcome		1a
Parrot feather watermilfoil	<i>Myriophyllum aquaticum</i>	High	Not assessed	Prohibited	1a
Water lettuce	<i>Pistia stratiotes</i>	Very High	Insignificant Negative		1a
Water spangles	<i>Salvinia minima</i>	High	Not assessed		1a
Water soldiers	<i>Stratiotes aloides</i>				1a
Waterwheel plant	<i>Aldrovanda vesiculosa</i>	Unknown	Insignificant Positive		1a
Alligator-weed	<i>Alternanthera philoxeroides</i>	High	Significant Negative		1b
Reed mannagrass	<i>Glyceria maxima</i>	High	Not assessed	Prohibited	1b
Crested floating-heart	<i>Nymphoides cristata</i>	High	Not assessed		1c
Brazilian elodea	<i>Egeria densa</i>	High	Insignificant Negative	Prohibited	2
Indian lotus	<i>Nelumbo nucifera</i>	Moderate	High Positive		2
Starry stonewort	<i>Nitellopsis obtusa</i>	Very High	High Negative		2
Variable watermilfoil; broadleaf watermilfoil	<i>Myriophyllum heterophyllum</i>	Very High	Equal outcome	Prohibited	2
European frogbit; common frogbit	<i>Hydrocharis morsus-ranae</i>	Very High	Insignificant Negative	Prohibited	3





Common name	Scientific name	Ecological Threat	Socio-Economic Threat	Regulatory Status	2024 Tier Rank
Flowering rush	<i>Butomus umbellatus</i>	Moderate	Insignificant Negative		3
Watercress	<i>Nasturtium officinale</i>	Moderate	Insignificant Positive		3
Yellow floating heart	<i>Nymphoides peltata</i>	High	Not assessed	Prohibited	3
Brittle naiad	<i>Najas minor</i>	Moderate	Significant Negative		4
Curly pondweed	<i>Potamogeton crispus</i>	Very High	Not assessed	Prohibited	4
Eurasian water-milfoil	<i>Myriophyllum spicatum</i>	Very High	Insignificant Negative	Prohibited	4
Water chestnut	<i>Trapa natans</i>	Very High	Significant Negative	Prohibited	4





Aquatic Invasive Animal Species

Common name	Scientific name	Ecological Threat	Socio-Economic Threat	Regulatory Status	2024 Tier Rank
Killer shrimp	<i>Dikerogammarus villosus</i>	High	Significant Negative		1
Marbled crayfish	<i>Procambarus virginalis</i>	High	Not assessed		1
Mozambique tilapia	<i>Oreochromis mossambicus</i>	High	Insignificant Positive		1
Rainbow smelt	<i>Osmerus mordax</i>	High	Equal outcome		1
Suminoe Oyster	<i>Crassostrea ariakensis</i>	Very High	Insignificant Negative	Prohibited	1
Asian shore crab	<i>Hemigrapsus sanguineus</i>	Very High	Insignificant Negative	Prohibited	1a
Chinese softshell	<i>Pelodiscus sinensis</i>	Not assessed	Not assessed		1a
Dark false mussel	<i>Mytilopsis leucophaeata</i>	High	Not assessed		1a
Eastern Mosquitofish	<i>Gambusia holbrooki</i>	High	Negative	Prohibited	1a
European stream valvata	<i>Valvata piscinalis</i>	High	Significant Negative		1a
Fathead minnow	<i>Pimephales promelas</i>	Very High	Insignificant Positive		1a
Fishhook waterflea	<i>Cercopagis pengoi</i>	Very High	Significant Negative	Prohibited	1a
Green crab	<i>Carcinus maenas</i>	Moderate	Insignificant Negative	Regulated	1a
Guppy	<i>Poecilia reticulata</i>	Moderate	Insignificant Positive		1a
Lionfish (species unknown)	<i>Pterois spp (species unknown)</i>	Moderate	Significant Negative		1a
Oriental weatherfish	<i>Misgurnus anguillicaudatus</i>	High	Insignificant Negative	Prohibited	1a
New zealand mudsnail	<i>Potamopyrgus antipodarum</i>	High	Insignificant Negative	Prohibited	1a
Northern snakehead	<i>Channa argus</i>	High	Significant Negative	Prohibited	1a
Red swamp crayfish	<i>Procambarus clarkii</i>	High	Equal outcome		1a
Redear sunfish	<i>Lepomis microlophus</i>	High	Equal outcome		1a
Red-rim melania	<i>Melanoides tuberculata</i>	High	Equal outcome		1a
Bighead carp	<i>Hypophthalmichthys nobilis</i>	Moderate	Insignificant Negative	Prohibited	1b
Flathead catfish	<i>Pylodictis olivaris</i>	High	Insignificant Negative		1b





Common name	Scientific name	Ecological Threat	Socio-Economic Threat	Regulatory Status	2024 Tier Rank
Golden mussel	<i>Limnoperna fortunei</i>	High	Significant Negative		1c
Silver carp	<i>Hypophthalmichthys molitrix</i>	High	Insignificant Negative	Prohibited	1c
Alewife	<i>Alosa pseudoharengus</i>	Moderate	Insignificant Negative		2
Bluegill	<i>Lepomis macrochirus</i>	Not assessed	Not assessed		2
Chinese mitten crab	<i>Eriocheir sinensis</i>	Moderate	Insignificant Negative	Prohibited	2
Freshwater jellyfish	<i>Craspedacusta sowerbyi</i>	Moderate	Equal Outcome		2
Mud bithynia	<i>Bithynia tentaculata</i>	High	Low Negative	Prohibited	2
Quagga mussel	<i>Dreissena bugensis</i>	Very High	Significant Negative	Prohibited	2
Sea lamprey	<i>Petromyzon marinus</i>	Moderate	Significant Negative	Prohibited	2
Spiny waterflea	<i>Bythotrephes longimanus</i>	Very High	High Negative	Prohibited	2
Tench	<i>Tinca tinca</i>	High	Insignificant Positive	Prohibited	2
Virile crayfish	<i>Orconectes virilis</i>	Very High	Insignificant Positive		2
Western mosquitofish	<i>Gambusia affinis</i>	Very High	Insignificant Negative	Prohibited	2
White perch	<i>Morone americana</i>	High	Equal outcome		2
Bloody-red shrimp	<i>Hemimysis anomala</i>	High	Insignificant Positive	Prohibited	3
Grass carp	<i>Ctenopharyngodon idella</i>	Moderate	Insignificant Negative		3
Green sunfish	<i>Lepomis cyanellus</i>	Not assessed	Not assessed		3
Red-eared slider turtle	<i>Trachemys scripta elegans</i>	Moderate	Low Positive	Regulated	3
Round goby	<i>Neogobius melanostomus</i>	High	Insignificant Negative	Prohibited	3
Asian clam	<i>Corbicula fluminea</i>	High	Significant Negative	Prohibited	4
Banded mysterysnail	<i>Viviparus georgianus</i>	High	Insignificant Negative		4
Chinese mysterysnail	<i>Cipangopaludina chinensis</i>	Very High	Insignificant Negative	Prohibited	4
Common carp	<i>Cyprinus carpio</i>	Very High	Insignificant Negative	Regulated	4
Goldfish	<i>Carassius auratus</i>	Moderate	Insignificant Positive	Regulated	4
Rudd	<i>Scardinius erythrophthalmus</i>	Moderate	Insignificant Positive	Regulated	4
Rusty crayfish	<i>Orconectes rusticus</i>	High	Insignificant Negative	Prohibited	4





Capital Region PRISM
Partnership for Regional
Invasive Species Management
capitalregionprism.org

Cornell Cooperative Extension Saratoga County
50 West High St.
Ballston Spa, NY 12020

Common name	Scientific name	Ecological Threat	Socio-Economic Threat	Regulatory Status	2024 Tier Rank
Zebra mussel	<i>Dreissena polymorpha</i>	Very High	Insignificant Negative	Prohibited	4
Freshwater tubenose goby	<i>Proterorhinus semilunaris</i>	Moderate	Insignificant Negative	Prohibited	M
Japanese mystery snail	<i>Cipangopaludina japonica</i>	Moderate	Insignificant Negative	Prohibited	M
Rainbow darter	<i>Etheostoma caeruleum</i>	Not assessed	Not assessed		M
Red bellied pacu	<i>Piaractus brachypomus</i>	Unknown	Insignificant Positive		M



Department of
Environmental
Conservation

The New York State Department of Environmental Conservation provides financial support to The Capital Region PRISM via the Environmental Protection Fund



Terrestrial Invasive Plant Species

Common name	Scientific name	Ecological Threat	Socio-Economic Threat	Regulatory Status	2024 Tier Rank
Balfour's touch-me-not	<i>Impatiens balfourii</i>	Not assessed	Not assessed		1a
Beale's oregon-grape	<i>Mahonia bealei</i>	High	Equal outcome		1a
Beefsteak plant	<i>Perilla frutescens</i> var. <i>frutescens</i>	High	Insignificant Positive		1a
Chinese privet	<i>Ligustrum sinense</i>	High	Insignificant Negative		1a
Chinese yam	<i>Dioscorea polystachya</i>	High	Insignificant Negative	Prohibited	1a
Crape myrtle	<i>Lagerstroemia indica</i>	High	Insignificant Positive		1a
European dewberry	<i>Rubus caesius</i>	High	Equal outcome		1a
Fuzzy deutzia; pride-of-rochester	<i>Deutzia scabra</i>	High	Equal outcome		1a
Incised fumewort	<i>Corydalis incisa</i>	Moderate	Equal outcome		1a
Italian arum	<i>Arum italicum</i>	High	Equal outcome		1a
Johnson grass	<i>Sorghum halepense</i>	Moderate	Significant Negative		1a
Juliana's barberry	<i>Berberis julianae</i>	High	Equal outcome		1a
Kudzu	<i>Pueraria montana</i> var. <i>lobata</i>	Very High	Insignificant Negative	Prohibited	1a
Nodding star of bethlehem	<i>Ornithogalum nutans</i>	High	Insignificant Negative		1a
Oriental redbtip	<i>Photinia villosa</i>	High	Insignificant Positive		1a
Paper-mulberry	<i>Broussonetia papyrifera</i>	High	Equal outcome		1a
Perennial pepperweed; broadleaf pepperweed	<i>Lepidium latifolium</i>	High	Not assessed	Prohibited	1a
Golden Bamboo	<i>Phyllostachys aurea</i>	NA	Not assessed	Prohibited	1a
Ravenna grass	<i>Tripidium ravennae</i>	High	Equal outcome		1a
Rusty willow	<i>Salix atrocinerea</i>	Very High	Insignificant Negative	Prohibited	1a
Sapphireberry	<i>Symplocos paniculata</i>	High	Equal outcome		1a
Scotch broom	<i>Cytisus scoparius</i>	High	Low Negative		1a
Silver vine	<i>Actinidia polygama</i>	Unknown	Low Positive		1a
Slender falsebrome	<i>Brachypodium sylvaticum</i> ssp. <i>sylvaticum</i>	Very High	Insignificant Negative	Prohibited	1a





Common name	Scientific name	Ecological Threat	Socio-Economic Threat	Regulatory Status	2024 Tier Rank
Sticky sage	<i>Salvia glutinosa</i>	Moderate	Insignificant Negative		1a
Sycamore maple	<i>Acer pseudoplatanus</i>	High	Not assessed	Prohibited	1a
Tea viburnum	<i>Viburnum setigerum</i>	Not assessed	Not assessed		1a
Weeping lovegrass	<i>Eragrostis curvula</i>	Moderate	Not assessed		1a
Cutleaf blackberry	<i>Rubus laciniatus</i>	Moderate	Insignificant Positive		1b
European gray willow	<i>Salix cinerea</i>	Not assessed	Not assessed		1b
European wand loosestrife	<i>Lythrum virgatum L</i>	Very High	Low Negative		1b
Giant reed	<i>Arundo donax</i>	High	Insignificant Negative		1b
Japanese chaff flower	<i>Achyranthes japonica</i>	High	Not assessed	Prohibited	1b
Marsh dewflower	<i>Murdannia keisak</i>	High	Not assessed	Prohibited	1b
Roundleaf chastetree	<i>Vitex rotundifolia</i>	High	Not assessed	Prohibited	1b
Uruguayan pampas grass	<i>Cortaderia selloana</i>	High	Insignificant Negative		1b
Wavyleaf basketgrass	<i>Oplismenus hirtellus</i>	High	Not assessed		1b
Amur corktree	<i>Phellodendron amurense</i>	High	Not assessed	Prohibited	2
Asian bush clover	<i>Lespedeza cuneata</i>	High	Not assessed	Prohibited	2
Beautybush	<i>Kolkwitzia amabilis</i>	High	Equal outcome		2
Bigleaf lupine	<i>Lupinus polyphyllus var polyphyllus</i>	Not assessed	Not assessed		2
Black jetbead	<i>Rhodotypos scandens</i>	Moderate	Insignificant Negative		2
Black knapweed	<i>Centaurea nigra</i>	Not assessed	Not assessed		2
Blue cat-tail	<i>Typha x glauca</i>	Very High	Insignificant Negative		2
Castor-aralia	<i>Kalopanax septemlobus</i>	High	Insignificant Positive		2
Chinese millet grass	<i>Pennisetum alopecuroides</i>	High	Equal outcome		2
Chinese wisteria	<i>Wisteria sinensis</i>	Moderate	Insignificant Negative		2
Chocolate vine	<i>Akebia quinata</i>	Moderate	Insignificant Negative		2
Cup-plant	<i>Silphium perfoliatum var perfoliatum</i>	High	Not assessed	Prohibited	2
Five-leaf aralia	<i>Eleutherococcus pentaphyllus</i>	Unknown	Equal outcome		2





Common name	Scientific name	Ecological Threat	Socio-Economic Threat	Regulatory Status	2024 Tier Rank
Giant hogweed	<i>Heracleum mantegazzianum</i>	High	Not assessed	Prohibited	2
Giant knotweed	<i>Reynoutria sachalinensis; Fallopia sachalinensis</i>	Not assessed	Not assessed	Prohibited	2
Golden-rain tree	<i>Koelreuteria paniculata</i>	High	Equal outcome		2
Hardy kiwi	<i>Actinidia arguta</i>	High	Insignificant Positive		2
Japanese angelica tree	<i>Aralia elata</i>	Very High	Equal outcome	Prohibited	2
Japanese butter-bur	<i>Petasites japonicus</i>	High	Equal outcome		2
Japanese primrose	<i>Primula japonica</i>	High	Insignificant Negative		2
Japanese wisteria	<i>Wisteria floribunda</i>	Not assessed	Not assessed		2
Linden arrow-wood	<i>Viburnum dilatatum</i>	Moderate	Equal outcome		2
Mile-a-minute	<i>Persicaria perfoliata</i>	Very High	Significant Negative	Prohibited	2
Oregon grape	<i>Berberis aquifolium</i>	Not assessed	Not assessed		2
Plume poppy	<i>Macleaya cordata</i>	High	Equal outcome		2
Russian olive	<i>Elaeagnus angustifolia</i>	Moderate	Insignificant Positive		2
Shrubby lespedeza; shrubby bush clover	<i>Lespedeza bicolor</i>	Moderate	Equal outcome		2
Siberian peashrub	<i>Caragana arborescens</i>	High	Insignificant Negative		2
Siebold's viburnum	<i>Viburnum sieboldii</i>	Moderate	Insignificant Positive		2
Small carpetgrass; joint-head arthraxon	<i>Arthraxon hispidus</i>	High	Not assessed	Prohibited	2
Spiny plumeless thistle	<i>Cardus acanthoides L</i>	Moderate	Significant Negative		2
Spring fumewort	<i>Corydalis solida</i>	High	Equal outcome		2
Wisteria species	<i>Wisteria spp</i>	Not assessed	Not assessed		2
Yellow groove bamboo	<i>Phyllostachys aureosulcata</i>	Not assessed	Not assessed	Prohibited	2
Amur honeysuckle	<i>Lonicera maackii</i>	Very High	Insignificant Negative	Prohibited	3
Amur maple	<i>Acer ginnala</i>	Moderate	Insignificant Positive		3
Bohemian knotweed	<i>Fallopia x bohémica</i>	Not assessed	Not assessed	Prohibited	3
Callery pear	<i>Pyrus calleryana</i>	High	Insignificant Negative		3





Common name	Scientific name	Ecological Threat	Socio-Economic Threat	Regulatory Status	2024 Tier Rank
Chinese silvergrass	<i>Miscanthus sinensis</i>	High	Not assessed	Regulated	3
English ivy	<i>Hedera helix</i>	Moderate	Equal outcome		3
European fly honeysuckle	<i>Lonicera xylosteum</i>	Moderate	Insignificant Negative		3
European privet; common privet	<i>Ligustrum vulgare</i>	Moderate	Insignificant Negative		3
False spiraea	<i>Sorbaria sorbifolia</i>	Moderate	Equal outcome		3
Fly honeysuckle	<i>Lonicera x bella</i>	Not assessed	Not assessed	Prohibited	3
Guelder rose; european cranberrybush	<i>Viburnum opulus var opulus</i>	Moderate	Not assessed		3
Japanese honeysuckle	<i>Lonicera japonica</i>	Very High	Insignificant Negative	Prohibited	3
Japanese snowball	<i>Viburnum plicatum</i>	High	Insignificant Negative		3
Japanese spiraea	<i>Spiraea japonica</i>	Moderate	Low Positive		3
Japanese virgin's-bower	<i>Clematis terniflora</i>	High	Not assessed	Regulated	3
Japanese-spurge	<i>Pachysandra terminalis</i>	High	Insignificant Negative		3
Japanese-tree lilac	<i>Syringa reticulata</i>	Moderate	Insignificant Positive		3
Leafy spurge	<i>Euphorbia virgata (E. esula misapplied)</i>	High	Not assessed	Prohibited	3
Lesser celandine	<i>Ficaria verna ssp verna</i>	High	Equal outcome	Prohibited	3
Narrowleaf cattail	<i>Typha angustifolia</i>	Not assessed	Not assessed		3
Porcelain berry; amur peppervine	<i>Ampelopsis brevipedunculata</i>	High	Not assessed	Prohibited	3
Toringo crabapple	<i>Malus toringo</i>	Unknown	Insignificant Positive		3
Tyrol knapweed	<i>Centaurea nigrescens</i>	NA	Not assessed		3
Wild chervil	<i>Anthriscus sylvestris</i>	High	Not assessed	Prohibited	3
Wineberry	<i>Rubus phoenicolasius</i>	Very High	Equal outcome	Prohibited	3
Winter creeper	<i>Euonymus fortunei</i>	High	Not assessed	Regulated	3
Yellow arch-angel	<i>Lamium galeobdolon</i>	Moderate	Insignificant Positive		3
Yellow garden loosestrife	<i>Lysimachia vulgaris</i>	High	Not assessed	Prohibited	3
Autumn olive	<i>Elaeagnus umbellata</i>	Very High	Insignificant Negative	Prohibited	4
Black locust	<i>Robinia pseudoacacia</i>	Very High	Insignificant Positive	Regulated	4
Black swallowwort	<i>Vincetoxicum nigrum</i>	Very High	High Negative	Prohibited	4
Border privet	<i>Ligustrum obtusifolium</i>	High	Not assessed	Prohibited	4





Common name	Scientific name	Ecological Threat	Socio-Economic Threat	Regulatory Status	2024 Tier Rank
Brown knapweed	<i>Centaurea jacea</i>	Moderate	Significant Negative		4
Burning bush	<i>Euonymus alatus</i>	Very High	Insignificant Positive	Regulated	4
Canada thistle	<i>Cirsium arvense</i>	High	Not assessed	Prohibited	4
Common barberry	<i>Berberis vulgaris</i>	Moderate	Insignificant Negative		4
Common buckthorn	<i>Rhamnus cathartica</i>	Very High	Insignificant Negative	Prohibited	4
Common reed grass	<i>Phragmites australis ssp australis</i>	Very High	Insignificant Positive	Prohibited	4
Cypress spurge	<i>Euphorbia cyparissias</i>	High	Not assessed	Prohibited	4
Dame's rocket	<i>Hesperis matronalis</i>	Not assessed	Not assessed		4
European alder	<i>Alnus glutinosa</i>	Moderate	Insignificant Negative		4
Garlic mustard	<i>Alliaria petiolata</i>	Very High	Insignificant Negative	Prohibited	4
Glossy buckthorn	<i>Frangula alnus</i>	High	Insignificant Negative	Prohibited	4
Goutweed	<i>Aegopodium podagraria</i>	Moderate	Insignificant Negative		4
Japanese barberry	<i>Berberis thunbergii</i>	Very High	Equal outcome	Prohibited	4
Japanese hops	<i>Humulus japonicus</i>	High	Not assessed	Prohibited	4
Japanese knotweed	<i>Fallopia japonica var japonica</i>	Very High	Insignificant Negative	Prohibited	4
Japanese stiltgrass	<i>Microstegium vimineum</i>	Very High	Insignificant Negative	Prohibited	4
Morrow's honeysuckle	<i>Lonicera morrowii</i>	Very High	Insignificant Negative	Prohibited	4
Mugwort	<i>Artemisia vulgaris var vulgaris</i>	High	Not assessed	Prohibited	4
Multiflora rose	<i>Rosa multiflora</i>	Very High	Equal outcome	Prohibited	4
Norway maple	<i>Acer platanoides</i>	Very High	Insignificant Positive	Regulated	4
Oriental bittersweet	<i>Celastrus orbiculatus</i>	Very High	Insignificant Negative	Prohibited	4
Pale swallowwort	<i>Vincetoxicum rossicum</i>	Very High	High Negative	Prohibited	4
Periwinkle	<i>Vinca minor</i>	Moderate	Not assessed		4
Purple loosestrife	<i>Lythrum salicaria</i>	Very High	Insignificant Negative	Prohibited	4
Reed canarygrass	<i>Phalaris arundinacea</i>	High	Not assessed		4





Common name	Scientific name	Ecological Threat	Socio-Economic Threat	Regulatory Status	2024 Tier Rank
Siberian elm	<i>Ulmus pumila</i>	Moderate	Equal outcome		4
Spotted knapweed	<i>Centaurea stoebe spp micranthos</i>	High	Not assessed	Prohibited	4
Swallowwort species	<i>Vincetoxicum spp</i>	Not assessed	Not assessed		4
Tartarian honeysuckle	<i>Lonicera tatarica</i>	Not assessed	Not assessed	Prohibited	4
Tree-of-heaven	<i>Ailanthus altissima</i>	High	Insignificant Negative		4
White mulberry	<i>Morus alba</i>	Moderate	Insignificant Positive		4
Wild parsnip	<i>Pastinaca sativa</i>	Moderate	Insignificant Positive		4
Yellow iris	<i>Iris pseudacorus</i>	High	Not assessed	Prohibited	4
Chameleon plant	<i>Houttuynia cordata</i>	Unknown	Insignificant Positive		Ma
Crabapple species	<i>Malus spp</i>	Not assessed	Not assessed		Ma
Crested elsholtzia	<i>Elsholtzia ciliata</i>	Moderate	Insignificant Positive		Ma
European crabapple	<i>Malus sylvestris</i>	High	Equal outcome		Ma
European spindletree	<i>Euonymus europaeus</i>	Moderate	Insignificant Positive		Ma
Japanese spindletree	<i>Euonymus japonicus</i>	Not assessed	Not assessed		Ma
Kousa dogwood	<i>Cornus kousa</i>	Unknown	Insignificant Positive		Ma
Lanceleaf sage	<i>Salvia relexa</i>	Not assessed	Not assessed		Mb
Lungwort	<i>Pulmonaria officinalis</i>	Not assessed	Not assessed		Ma
Oleaster species	<i>Elaeagnus spp</i>	Not assessed	Not assessed		Ma
Princess tree	<i>Paulownia tomentosa</i>	Moderate	Insignificant Positive		Ma
Rugosa rose	<i>Rosa rugosa</i>	Moderate	Insignificant Positive		Ma
Siberian crabapple	<i>Malus baccata</i>	High	Equal outcome		Ma
Wayfaring-tree	<i>Viburnum lantana</i>	Moderate	Not assessed		Ma
Blessed milkthistle	<i>Silybum marianum</i>	High	Equal outcome		Mb
Carline thistle	<i>Carlina vulgaris</i>	Unknown	Insignificant Positive		Mb
China fleece vine	<i>Fallopia baldschuanica</i>	Moderate	Equal outcome		Mb
Cogon grass	<i>Imperata cylindrica</i>	High	Not assessed	Prohibited	Mb





Terrestrial Invasive Animal Species

Common name	Scientific name	Ecological Threat	Socio-Economic Threat	Regulatory Status	2024 Tier Rank
Asian Tiger Mosquito	<i>Aedes albopictus</i>	Not assessed	Not assessed		1a
Asian longhorned beetle	<i>Anoplophora glabripennis</i>	High	Very High Negative	Prohibited	1a
European fire ant	<i>Myrmica rubra</i>	High	Significant Negative		1a
Feral swine; wild boar	<i>Sus scrofa</i>	Very High	Significant Negative	Prohibited	1b
Nutria	<i>Myocastor coypus</i>	Very High	Significant Negative	Prohibited	1b
Asian longhorn tick	<i>Haemaphysalis longicornis</i>	High	Significant Negative		2
Oak wilt	<i>Bretziella fagacearum</i>	High	High Negative		2
Southern pine beetle	<i>Dendroctonus frontalis</i>	High	Significant Negative		2
Beech leaf disease nematode	<i>Litylenchus crenatae mccannii</i>	Not assessed	Not assessed		3
Lily leaf beetle	<i>Lilioderis lili</i>	Moderate	Significant Negative		3
Mute swan	<i>Cygnus olor</i>	High	Insignificant Negative	Prohibited	3
Spotted lanternfly	<i>Lycorma delicatula</i>	High	Negative		3
Beech scale	<i>Cryptococcus fagisuga</i>	Very High	Very High Negative	Prohibited	4
Elongate hemlock scale	<i>Fiorinia externa</i>	Moderate	Low Negative		4
Emerald ash borer	<i>Agrilus planipennis</i>	Very High	Very High Negative	Prohibited	4
Hemlock woolly adelgid	<i>Adelges tsugae</i>	High	Very High Negative	Prohibited	4
Jumping worms (species unknown)	<i>Amyntas-Metaphire spp species unknown</i>	Moderate	Insignificant Negative	Prohibited	4
Spongy moth	<i>Lymantria dispar</i>	High	Very High Negative	Prohibited	4
Allium leaf miner	<i>Phytomyza gymnostoma</i>	Not assessed	Not assessed		M
Balsam woolly adelgid	<i>Adelges piceae</i>	Moderate	High Negative		M
Deer ked	<i>Lipoptena cervi</i>	Not assessed	Not assessed		M
Elm zigzag sawfly	<i>Aproceros leucopoda</i>	Not assessed	Not assessed		M
European woodwasp	<i>Sirex noctilio</i>	High	Significant Negative	Prohibited	M
Viburnum leaf beetle	<i>Pyrrhalta viburni</i>	Not assessed	Not assessed		M

