

CAPITAL-MOHAWK PRISM ~ Regional Invasive Species Ranking (*as of October 2018*)

Tier 1 – Early Detection / Prevention

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)

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 east NA), but introduction pathway exists

Tier 2 - Eradication

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

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

Well-established species with high and very high impacts. Eradication efforts 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 5 - Research:

Species in or surrounding PRISM that need more research, mapping, and monitoring to understand invasiveness and impacts.

Aquatic Invasive Plant Species:

Tier 1:

1a: *Aldrovanda vesiculosa*, Waterwheel
Cabomba caroliniana, Carolina Fanwort
Hydrilla verticillata, Hydrilla
Myriophyllum aquaticum, Parrot feather

1c: *Alternanthera philoxeroides*, Alligatorweed

Tier 2:

Egeria densa, Brazilian elodea
Nitellopsis obtusa, Starry stonewort
Nymphoides peltata, Yellow Floating-heart

Tier 3:

Hydrocharis morsus-ranae, European Frog-bit
Myriophyllum heterophyllum, Variable Leaf Watermilfoil

Tier 4:

Myriophyllum spicatum, Eurasian Watermilfoil,
Potamogeton crispus, Curly Pondweed
Trapa natans, Water chestnut

Tier 5:

Didymosphenia geminata, Didymo
Eichhornia crassipes, Water Hyacinth
Marsilea quadrifolia, European Water Fern
Pistia stratiotes, Water Lettuce

Aquatic Invasive Animal Species:

Tier 1:

1a: *Channa argus*, Northern Snakehead
Hemimysis anomala, Bloody Red Shrimp
Misgurnus anguillicaudatus, Oriental Weatherfish
Neogobius melanostomus, Round Goby

1b: *Hypophthalmichthys* sp., Asian Carp
Tinca tinca, Tench

Tier 2:

Bythotrephes longimanus, Spiny Waterflea
Cipangopaludina chinensis, Chinese Mystery Snail
Cygnus olor, Mute Swan

Tier 3:

Bithynia tentaculata, Mud Bithynia (snail)

Tier 4:

Carassius auratus, Goldfish
Corbicula fluminea, Asian Clam
Dreissena sp. (*bugensis* & *polymorpha*), Quagga & Zebra Mussel
Eriocheir sinensis, Chinese Mitten Crab
Orconectes rusticus, Rusty Crayfish
Scardinius erythrophthalmus, Rudd
Trachemys scripta elegans, Red-eared Slider (turtle)

Tier 5:

Alosa pseudoharengus, Alewife (native to some drainages of NYS & ranked Medium)

Terrestrial Invasive Plant Species:

Tier 1:

- 1a:** *Actinidia arguta*, Hardy Kiwi, Taravine
Actinidia polygama, Silver Vine
Akebia quinata, Chocolate Vine
Arum italicum, Italian Arum
Brachypodium sylvaticum, Slender False Brome
Clematis terniflora, Japanese Virgin's Bower
Corydalis incisa, Incised Fumewort
Cytisus scoparius, Scotch Broom
Dioscorea polystachya, Chinese Yam
Eragrostis curvula, Weeping Lovegrass
Lespedeza cuneata, Chinese Bushclover
Phellodendron amurense, Amur Corktree
Photinia villosa, Oriental Red-tip
Primula japonica, Japanese Primrose
Pueraria montana var. *lobata*, Kudzu
Rubus laciniatus, Cutleaf Blackberry
Salix cinerea, Gray Florists willow
Salvia glutinosa, Sticky Sage
Schoenoplectus mucronatus, Bog Bulrush (one historical record in CapMo)
Symplocos paniculata, Sapphireberry
Viburnum dilatatum, Linden Viburnum
Viburnum plicatum, Double-File Viburnum
Viburnum sieboldii, Siebold's Viburnum
- 1b:** *Oplismenus hirtellus*, Wavyleaf Basketgrass
Perilla frutescens, Beefsteak Plant

Tier 2:

Acer palmatum, Japanese Maple
Acer pseudoplatanus, Sycamore Maple
Ampelopsis glandulosa, Porcelain Berry
Aralia elata, Japanese Angelica Tree
Arthraxon hispidus, Small Carpetgrass
Elentherococcus pentaphyllus, Five-leaf Aralia
Euonymus fortunei, Wintercreeper
Ficaria verna Lesser celandine
Hedera helix, English Ivy
Heracleum mantegazzianum, Giant Hogweed
Humulus japonicus, Japanese Hops
Impatiens glandulifera, Policeman's Helmet
Lamium galeobdolon, Yellow Archangel
Lespedeza bicolor, Shrubby Bushclover
Lonicera maackii, Amur Honeysuckle
Lysimachia vulgaris, Yellow Garden Loosestrife
Malus seboldii, Tusingo Crabapple
Miscanthus sinensis, Chinese Silver Grass
Persicaria perfoliata, Mile-A-Minute Vine
Polygonum nepalense, Nepalese Smartweed
Populus alba, White Poplar
Rhodotypos scandens, Black Jetbead
Rubus phoenicolasius, Wineberry
Salix atrocinerea, Rusty Willow
Silphium perfoliatum var. *perfoliatum*, Cup-plant
Spirea japonica, Japanese Spirea
Syringa reticulata, Japanese Tree Lilac
Viburnum lantana, Wayfaring Tree
Viburnum opulus, European Cranberry Viburnum
Wisteria spp., Wisteria (Chinese and Japanese)

Tier 3:

Euphorbia virgata, Leafy Spurge
Ulmus pumila, Siberian Elm

Tier 4:

Acer platanoides, Norway Maple
Aegopodium podagraria, Bishop's Goutweed
Ailanthus altissima, Tree of heaven
Alliaria petiolata, Garlic Mustard
Alnus glutinosa, Black Alder
Anthriscus sylvestris, Wild Chervil
Artemisia vulgaris var. vulgaris, Mugwort
Berberis thunbergii, Japanese Barberry
Cardamine impatiens, Narrowleaf Bittercress
Celastrus orbiculatus, Asian Bittersweet
Centaurea stoebe ssp. Micranthos, Spotted Knapweed
Cirsium arvense, Canada Thistle
Cynanchum louiseae, Black Swallow-wort
Cynanchum rossicum, Pale Swallow-wort
Dispsacus laciniatus, Cut-leaf Teasel
Elaeagnus umbellata, Autumn Olive
Euonymus alatus, Burning Bush
Euphorbia cyparissias, Cypress Spurge
Frangula alnus, Glossy Buckthorn
Iris pseudacorus, Water Flag Iris
Ligustrum spp., Privet
Lonicera japonica, Japanese Honeysuckle
Lonicera morrowii, Morrow Honeysuckle
Lonicera tatarica, Tartarian Honeysuckle
Lonicera x bella, Showy pink honeysuckle
Lythrum salicaria, Purple Loosestrife
Microstegium vimineum, Japanese Stiltgrass
Morus alba, White Mulberry
Pastinaca sativa, Wild Parsnip
Phalaris arundinacea, Reed Canarygrass
Phragmites australis ssp. Australis, Common Reed
Reynoutria japonica var. japonica: Fallopia japonica var. japonica, Japanese Knotweed
Rhamnus cathartica, Common Buckthorn
Robinia pseudoacacia, Black Locust
Rosa multiflora, Multiflora Rose
Vinca Minor, Periwinkle

Tier 5:

Fallopia baldschuanica, China Fleece Vine
Carlina vulgaris, Carline Thistle
Commelina communis, Asiatic Dayflower
Daphne mezereum, February Daphne
Epilobium hirsutum, Hairy Willow Herb
Lupinus polyphyllus, Bigleaf Lupine
Reynoutria sachalinensis: Fallopia sachalinensis, Giant Knotweed
Sorghum halepense, Johnsongrass

Terrestrial Invasive Animal and Fungi Species:

Tier 1:

1a: *Anoplophora glabripennis*, Asian Longhorned Beetle

Myrmica rubra, European fire Ant

1b: *Myocastor coypus*, Nutria

Sus scrofa, Eurasian Boar

Lymantria dispar asiatica, Asian Gypsy Moth

Tier 2:

Dendroctonus frontalis, Southern Pine Beetle

Lycorma delicatula, Spotted Lanternfly

Ceratocystis fagacearum, Oak Wilt

Tier 3:

Amyntas agrestis, Crazy Snake Worm

Adelges tsugae, Hemlock Woolly Adelgid

Tier 4:

Agrilus planipennis, Emerald Ash Borer

Drosophila suzukii, Spotted Winged Drosophila

Fiorinia externa, Elongated Hemlock Scale

Halyomorpha halys, Brown Marmorated Stink Bug

Lymantria dispar, European Gypsy Moth

Pyrrhalta viburni, Viburnum Leaf Beetle

Sirex noctilio, European Woodwasp

Tier 5:

Adelges piceae, Balsam Woolly Adelgid

