

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>Eradiation</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 5 <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.		

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

Impact: Use the PRISM-specific invasiveness rankings if available, or use NYS ranks (see nys.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.

Finger Lakes PRISM Tiered Species List
2020

Tier Rank	Terrest	Scientific Name	Common Name	NYS Rank	Score	NYS Profile
1	A	<i>Aldrovanda vesiculosa</i>	Waterwheel	NA	NA	
1	T	<i>Anoplophora glabripennis</i>	Asian Longhorn Beetle	H	72	NYS PDF
1	A	<i>Channa argus</i>	Northern Snakehead	H	77	NYS PDF
1	T	<i>Cryptococcus fagisuga</i>	Beech Scale	H	80	NYS PDF
1	A	<i>Egeria densa</i>	Brazilian waterweed	H	74.71	NYS PDF
1	A	<i>Gambusia affinis</i>	Western Mosquitofish	VH	80.43	NYS PDF
1	A	<i>Gambusia holbrooki</i>	Eastern Mosquitofish	VH	81.72	NYS PDF
1	A	<i>Hypophthalmichthys molitrix</i>	Silver Carp	H	79	NYS PDF
1	A	<i>Limnoperna fortunei</i>	Golden Mussel			
1	A	<i>Ludwigia peploides (Kunth) Raven</i>	Floating primrose-willow	VH	89.36	NYS PDF
1	T	<i>Myocastor coypus</i>	Nutria	VH	81	NYS PDF
1	A	<i>Myriophyllum aquaticum</i>	Parrot-feather, Brazilian milfoil	H	76.67	NYS PDF
1	A	<i>Nymphoides peltata</i>	Yellow Floating Heart	H	74.47	NYS PDF
1	A	<i>Potamopyrgus antipodarum</i>	New Zealand Mud Snail	H	79	NYS PDF
1	T	<i>Pueraria montana</i>	Kudzu	VH	84.44	NYS PDF
1	A	<i>Stratiotes aloides</i>	Water Soldier			NYS PDF
1	A	<i>Tinca tinca</i>	Tench	H	77	NYS PDF
2	T	<i>Ampelopsis glandulosa var. brevif</i>	Porcelain Berry	H	71.26	NYS PDF
2	T	<i>Cardamine impatiens</i>	Narrowleaf Bittercress	H	76.32	NYS PDF
2	T	<i>Euphorbia esula</i>	Leafy Spurge	H	75.9	NYS PDF
2	A	<i>Hydrocharis morsus-ranae</i>	European Frogbit	VH	85.57	NYS PDF
2	A	<i>Misgurnus anguillicaudatus</i>	Oriental Weatherfish	VH	80.25	NYS PDF
3	T	<i>Adelges tsugae</i>	Hemlock woolly adelgid	H	76	
3	A	<i>Bellamya chinensis (Cipangopaludina chinensis)</i>	Chinese Mystery Snail	VH	83	NYS PDF
3	A	<i>Bellamya japonica (Cipangopaludina japonica)</i>	Japanese Mystery Snail	M	62.5	NYS PDF
3	A	<i>Bithynia tentaculata</i>	Faucet Snail	H	71.28	NYS PDF
3	T	<i>Celastrus orbiculatus</i>	Oriental Bittersweet	VH	86.67	NYS PDF
3	A	<i>Cercopagis pengoi</i>	Fishhook Water Flea	VH	84.04	NYS PDF
3	T	<i>Cynanchum louiseae</i>	Black Swallow-wort	VH	89.69	NYS PDF
3	T	<i>Cynanchum rossicum</i>	Pale Swallow-wort	VH	87.63	NYS PDF
3	A	<i>Hemimysis anomala</i>	Bloody Red Shrimp	H	70.23	NYS PDF
3	A	<i>Hydrilla verticillata</i>	Hydrilla	VH	91.4	NYS PDF
3	A	<i>Myriophyllum heterophyllum</i>	Broadleaf Water-milfoil	VH	93.62	NYS PDF
3	A	<i>Neogobius melanostomus</i>	Round Goby	H	78.57	NYS PDF
3	A	<i>Nitellopsis obtusa</i>	Starry Stonewort			
3	A	<i>Orconecte rusticus</i>	Rusty Crayfish	H	78	NYS PDF
3	A	<i>Procambarus clarkii</i>	Red Swamp Crayfish			
3	T	<i>Ranunculus ficaria</i>	Lesser Celandine, Fig Buttercup	VH	85.56	NYS PDF

Finger Lakes PRISM Tiered Species List
2020

Tier Rank	Terrest	Scientific Name	Common Name	NYS Rank	Score	NYS Profile
3	A	<i>Trapa natans</i>	Water Chestnut	VH	82	NYS PDF
4	T	<i>Acer platanoides</i>	Norway Maple	VH	82	NYS PDF
4	T	<i>Agrilus planipennis</i>	Emerald Ash Borer	VH	96	NYS PDF
4	T	<i>Ailanthus altissima</i>	Tree of heaven	M	68	NYS PDF
4	T	<i>Alliaria petiolata</i>	Garlic Mustard	VH	84	NYS PDF
4	A	<i>Alosa pseudoharengus</i>	Alewife	M	56.7	NYS PDF
4	A	<i>Carassius auratus</i>	Gold Fish	VH	81.63	NYS PDF
4	A	<i>Corbicula fluminea</i>	Asian Clam	H	73.68	NYS PDF
4	A/T	<i>Cygnus olor</i>	Mute Swan	H	76	NYS PDF
4	A	<i>Cyprinus carpio</i>	Common Carp	VH	90.43	NYS PDF
4	A	<i>Dreissena polymorpha</i>	Zebra Mussel	VH	83	NYS PDF
4	A	<i>Dreissena rostriformis bugensis</i>	Quagga Mussel	VH	88	NYS PDF
4	A	<i>Gymnocephalus cernuus</i>	Ruffe	M	59.57	NYS PDF
4	T	<i>Iris pseudacorus</i>	Yellow Iris	H	76	NYS PDF
4	T	<i>Lythrum salicaria</i>	Purple Loosestrife	VH	91	NYS PDF
4	A	<i>Osmerus mordax</i>	Rainbow Smelt			
4	A	<i>Potamogeton crispus</i>	Curly Leaved Pondweed	H	79.79	NYS PDF
4	T	<i>Pyrus calleryana</i>	Callery Pear	M	65.06	NYS PDF
4	T	<i>Rosa multiflora</i>	Multiflora Rose	VH	89	NYS PDF
4	A	<i>Scardinius erythrophthalmus</i>	Rudd	M	54	NYS PDF
5	A	<i>Eichhornia crassipes</i>	(Common) Water Hyacinth	NA	NA	NYS PDF
5	A	<i>Pistia stratiotes</i>	Water Lettuce			NYS PDF
NA	A	<i>Eriocheir sinensis</i>	Chinese Mitten Crab	M	62	NYS PDF
NA	A	<i>Hemigrapsus sanguineus</i>	Asian Shore Crab	VH	88.75	NYS PDF
NA	A	<i>Monopterus albus</i>	Asian Swamp Eel	M	53	NYS PDF
NA	A	<i>Rapana venosa</i>	Veined Rapa Whelk	H	72	NYS PDF
NA	A	<i>Styela plicata</i>	Asian Sea Squirt	M	65	NYS PDF
		<i>Acanthopanax sieboldianum</i> (Mokina)				
	T	<i>Acer ginnala</i>	Amur maple	M	66.22	NYS PDF
	T	<i>Acer palmatum</i> Thunb.	Japanese maple	M	50	NYS PDF
	T	<i>Acer pseudoplatanus</i>	Sycamore Maple	H	71.11	NYS PDF
	A	<i>Achatina achatina</i>	Giant Ghana Snail	Insig.	31.25	NYS PDF
	T	<i>Achatina fulica</i> (<i>Lissachatina fulica</i>)	Giant African Land Snail	L	40	NYS PDF
	T	<i>Achyranthes japonica</i>	Japanese Chaff Flower	H	71.08	NYS PDF
	T	<i>Aegopodium podagraria</i>	Bishop's goutweed	M	63.75	NYS PDF
	T	<i>Agrostis gigantea</i> Roth <i>Agrostis alba</i> (not non)	Redtop, black bentgrass	M	67.5	NYS PDF
	T	<i>Akebia quinata</i>	Chocolate vine	M	52.38	NYS PDF
	T	<i>Albizia julibrissin</i> Durazz.	Silktree, mimosa	L	40	NYS PDF
	T	<i>Alnus glutinosa</i>	European alder, black alder	M	64.44	NYS PDF
	A/T	<i>Alopochen aegyptiacus</i>	Egyptian Goose	M	52	NYS PDF
	T	<i>Amylostereum areolatum</i>	Sirex Wasp Fungus	H	75	NYS PDF
	T	<i>Amyntas spp.</i>	Asian Earthworms	H	71	NYS PDF

Finger Lakes PRISM Tiered Species List
2020

Tier Rank	Terrest	Scientific Name	Common Name	NYS Rank	Score	NYS Profile
	T	<i>Anthriscus sylvestris</i> (L.) Hoffm.	Wild chervil	H	78.75	NYS PDF
	T	<i>Apis mellifera scutellata</i> x <i>A. mell</i>	Africanized Honey Bee	M	56	NYS PDF
	T	<i>Aralia elata</i>	Japanese Angelica Tree	VH	80.46	NYS PDF
	A	<i>Archachatina marginata</i>	Giant West African Snail	Unkn.	15.15	NYS PDF
	T	<i>Artemesia vulgaris</i> L.	Common wormwood, Mugwort	H	79.31	NYS PDF
	T	<i>Arthraxon hispidus</i>	Small carpgrass	H	75.68	NYS PDF
	T	<i>Arundinaria gigantea</i> (Walter)	Bamboo, canebreak, giant cane	NA	59.74	NYS PDF
	T	<i>Berberis thunbergii</i> (Miq.) D. Don	Japanese barberry	VH	91	NYS PDF
	T	<i>Berberis vulgaris</i>	Common barberry	M	68.75	NYS PDF
	T	<i>Brachypodium pinnatifidum</i> (L.) D. Don	Slender falsebrome	VH	86.6	NYS PDF
	T	<i>Bromus tectorum</i> L.	Cheat grass, downy brome	M	50	NYS PDF
	T	<i>Buddleja davidii</i> Franch.	Orange-eye butterfly bush	L	45.45	NYS PDF
	T	<i>Butomus umbellatus</i> L.	flowering-rush	M	63.75	NYS PDF
	A	<i>Bythotrephes cederstroemi</i> (B. Loeb)	Spiny Water Flea	VH	82.42	NYS PDF
	A	<i>Cardamine caroliniana</i> A. Gray	Carolina fanwort	H	72.34	NYS PDF
	A/T	<i>Cairina moschata</i>	Muscovy Duck	M	59	NYS PDF
	A	<i>Callitriche stagnalis</i> Scop.	Pond water-starwort	L	48.75	NYS PDF
	T	<i>Caragana arborescens</i> Lam.	Siberian peashrub	U		NYS PDF
	A	<i>Carcinus maenas</i>	European Green Crab	M	63	NYS PDF
	T	<i>Carex kobomugi</i> C. C. H. Wong	Japanese sedge/largehead	M	68.6	NYS PDF
	A	<i>Caulerpa taxifolia</i>	Killer alga	NA		NYS PDF
	T	<i>Centaurea jacea</i>	Black knapweed, black star-	M	62.34	NYS PDF
	T	<i>Centaurea maculosa</i> L.	Spotted knapweed, spotted	H	78.89	NYS PDF
	A	<i>Channa marulius</i>	Bullseye Snakehead	M	57	NYS PDF
	A	<i>Channa micropeltes</i>	Giant Snakehead	L	45	NYS PDF
	T	<i>Cirsium arvense</i> (L.) Scop. (C. discolor)	Creeping thistle, Californian	H	71	NYS PDF
	T	<i>Cirsium palustre</i> (L.) Scop. (C. discolor)	Marsh thistle, European swamp	M	67.9	NYS PDF
	A	<i>Clarias batrachus</i>	Walking Catfish	M	51.25	NYS PDF
	T	<i>Clematis terniflora</i>	Japanese Virgin's Bower	H	72.6	NYS PDF
	T	<i>Coronilla varia</i> (Securigeria varia)	Crownvetch	M	62.07	NYS PDF
	A	<i>Crassostrea ariakensis</i>	Suminoe Oyster	H	76.25	NYS PDF
	A	<i>Ctenopharyngodon idella</i>	Grass Carp	fish	68.82	NYS PDF
	T	<i>Cyperus difformis</i> L.	Variable flatsedge	M	51.95	NYS PDF
	A	<i>Cyprinella lutrensis</i>	Red Shiner	M	56	NYS PDF
	A	<i>Daphnia lumholtzi</i>	Water Flea	M	54	NYS PDF
	T	<i>Datura stramonium</i> L.	Jimsonweed, common thorn	M	50	NYS PDF
	A	<i>Didemnum vexillum</i>	Carpet Tunicate	M	68.89	NYS PDF
	T	<i>Digitalis lanata</i> Ehrh.	Grecian foxglove	L	36.78	NYS PDF
	T	<i>Digitalis purpurea</i> L.	Purple foxglove	M	53.33	NYS PDF
	T	<i>Dioscorea polystachya</i> (D. oppositifolia) (miscell.)	Chinese yam, Cinnamon vine	H	77.5	NYS PDF
	T	<i>Dipsacus laciniatus</i> L.	Cut-leaf teasel	H	75.56	NYS PDF
	T	<i>Elaeagnus angustifolia</i>	Russian olive	M	68	NYS PDF

Finger Lakes PRISM Tiered Species List
2020

Tier Rank	Terrest	Scientific Name	Common Name	NYS Rank	Score	NYS Profile
	T	<i>Elaeagnus umbellata</i>	Autumn Olive	VH	94	NYS PDF
	T	<i>Epilobium hirsutum</i> L.	Five-leaved Aralia	NA		NYS PDF
	T	<i>Epilobium hirsutum</i> L.	Great hairy willow-herb, codlins	M	62.5	NYS PDF
	T	<i>Eragrostis curvula</i>	Weeping lovegrass	M	57.14	NYS PDF
	T	<i>Euonymus alatus</i>	Winged burning bush, winged	VH	81.25	NYS PDF
	T	<i>Euonymus europaeus</i> L.	European spindletree	M	60	NYS PDF
	T	<i>Euonymus fortunei</i>	Winter Creeper	H	77.78	NYS PDF
	T	<i>Euphorbia cyparissias</i>	Cypress Spurge	H	75.32	NYS PDF
	T	<i>Euphorbia lathyris</i>	Caper spurge, moleplant	M	56.98	NYS PDF
	T	<i>Fallopia baldschuanica</i>	Bukhara fleecflower, China	M	50.6	NYS PDF
	T	<i>Fallopia japonica</i> (Rout.) Dene. var. <i>japonica</i> F. szechuanensis F.	Japanese knotweed, giant	VH	97.94	NYS PDF
	T	<i>Festuca filiformis</i> Pourret	Hair fescue	M	60.27	NYS PDF
	T	<i>Ficaria verna</i> (<i>Ranunculus ficaria</i>)	Lesser Celandine	VH	85.56	NYS PDF
	T	<i>Frangula alnus</i> (<i>Rhamnus frangula</i>)	Smooth Buckthorn	H	72.73	NYS PDF
	T	<i>Froelichia gracilis</i> (Hook.) Moq.	Slender cottonweed	M	53.25	NYS PDF
	T	<i>Galega officinalis</i>	Professor-weed, common	M	59.72	NYS PDF
	T	<i>Gallium odoratum</i> L. Scop. (<i>Asperula odorata</i> L.)	Sweet bedstraw	L	47.78	NYS PDF
	T	<i>Geomyces destructans</i>	White-nose Syndrome	VH	82.22	NYS PDF
	T	<i>Geosmithia morbida</i>	Thousand Canker Disease	M	66	NYS PDF
	T	<i>Glaucium flavum</i> Crantz	Yellow hornpoppy	M	65.75	NYS PDF
	T	<i>Glossostigma</i> <i>eleocharitaceae</i> (previously)	Mudmats	L	34.88	NYS PDF
	T	<i>Glyceria maxima</i>	Reed Manna Grass	H	79.52	NYS PDF
	T	<i>Glyceria maxima</i> (Hartm.) Holb.	Tall glyceria, English	H	79.52	NYS PDF
	T	<i>Hedera helix</i>	English ivy	M	66	NYS PDF
	T	<i>Hemerocallis fulva</i> (L.)	Orange daylily	L	46.25	NYS PDF
	A	<i>Hemigrapsus penicillatus</i>	Grapsid Crab	aquatic in	50.54	NYS PDF
	A	<i>Hemigrapsus takanoi</i> (<i>H. penicillatus</i>) <i>terraclean</i>	Brush-clawed Shore Crab/ Grapsid	M	50.54	NYS PDF
	T	<i>Hesperis matronalis</i>	Giant hogweed	H	72	NYS PDF
	T	<i>Hesperis matronalis</i>	Dame's rocket	M	56.98	NYS PDF
	T	<i>Leporinum barley</i> (<i>Leporinum</i> L.) var. <i>lanigerum</i> (Link) Arcang.	Leporinum barley; Hare barley	NA		NYS PDF
	T	<i>Humulus japonicus</i> Sieb. & Zucc.	Japanese hops	H	74.03	NYS PDF
	T	<i>Hypericum perforatum</i> L.	Common St. John's-wort	L	46.75	NYS PDF
	A	<i>Hypophthalmichthys harmandi</i>	Largescale Silver Carp	M	63	NYS PDF
	A	<i>Hypophthalmichthys nobilis</i>	Bighead Carp	M	62	NYS PDF
	A	<i>Ictalurus furcatus</i>	Blue Catfish	fish	38	NYS PDF
	T	<i>Ilex crenata</i> Thunb.	Japanese holly	L	46.67	NYS PDF
	T	<i>Impatiens glandulifera</i>	Ornamental jewelweed	M	66.67	NYS PDF
	T	<i>Imperata cylindrica</i> (L.) P.Beauv. <i>koeleria scoparia</i> (L.) Scribn.	Cogongrass, Cogon satin-tail	H	79	NYS PDF
	T	<i>Leucaena leucocarpa</i> (L.) A. J.Scott	Mexican summer-cypress,	M	68.75	NYS PDF
	T	<i>Lepidium latifolium</i> L.	Broadleaved Pepperweed,	H	79.38	NYS PDF
	T	<i>Lepus europaeus</i>	European Hare	L	45	NYS PDF
	T	<i>Lespedeza bicolor</i> Turcz.	Shrub lespedeza, bicolor	M	63.33	NYS PDF

Finger Lakes PRISM Tiered Species List
2020

Tier Rank	Terrest	Scientific Name	Common Name	NYS Rank	Score	NYS Profile
	T	<i>Lespedeza cuneata</i>	Chinese Lespedeza	H	74.44	NYS PDF
	T	<i>Ligustrum amurense</i> Caar.	Amur privet	NA		NYS PDF
	T	<i>Ligustrum obtusifolium</i> Siebold & Zuccarini	Border privet	H	76.67	NYS PDF
	T	<i>Ligustrum ovalifolium</i>	California privet	L	44.83	NYS PDF
	T	<i>Ligustrum sinense</i>	Chinese privet	NA		NYS PDF
	T	<i>Ligustrum vulgare</i>	European privet	M	67.82	NYS PDF
	T	<i>Lobelia chinensis</i> Lour.	Chinese lobelia	L	36.99	NYS PDF
	T	<i>Lonicera japonica</i> Thunberg	Japanese Honeysuckle	VH	83.51	NYS PDF
	T	<i>Lonicera maackii</i> (Rupr.) Maxim.	Amur Honeysuckle	VH	84.44	NYS PDF
	T	<i>Lonicera morrowii</i> LOMONOSOV, L. TATARICA LOTA & Lybelle LORF	Morrow's honeysuckle,	VH	85.54	NYS PDF
	T	<i>Lonicera tatarica</i>	Tartarian Honeysuckle	VH	85.54	NYS PDF
	T	<i>Lonicera x bella</i>	Fly Honeysuckle	VH	85.54	NYS PDF
	T	<i>Lonicera xylosteum</i>	European Fly Honeysuckle	U		NYS PDF
	T	<i>Lotus corniculatus</i> L.	Bird's-foot trefoil	M	59	NYS PDF
	T	<i>Ludwigia grandiflora</i> (MICHX.) GREUTER & BURDET ex	Uruguayan Primrose-willow	VH	88.3	NYS PDF
	T	<i>Ludwigia hexapetala</i> (L. grandiflora)	Uruguayan Primrose Willow	VH	88.3	NYS PDF
	T	<i>Lymantria dispar</i>	Asian and European Gypsy Moth	H	73	NYS PDF
	T	<i>Lysimachia clethroides</i> Duby & Planchon	Goose-neck loosestrife	NA		NYS PDF
	T	<i>Lysimachia nummularia</i>	Creeping Jenny, moneywort	M	64.29	NYS PDF
	T	<i>Lysimachia punctata</i> L.	Spotted loosestrife	M	57.14	NYS PDF
	T	<i>Lysimachia vulgaris</i>	Garden Loosestrif	H	72.73	NYS PDF
	A	<i>Marsilea quadrifolia</i>	European water-fern	U		NYS PDF
	T	<i>Microstegium vimineum</i>	Japanese stiltgrass, Eulalia,	VH	85	NYS PDF
	T	<i>Miscanthus sinensis</i> (Maxim.) Hook.	Japanese Silver Grass	NA		NYS PDF
	T	<i>Miscanthus sinensis</i> Anders.	Chinese silvergrass, eulalia	H	77.78	NYS PDF
	T	<i>Monochamus alternatus</i>	Japanese Pine Sawyer	L	48	NYS PDF
	T	<i>Morus alba</i>	White mulberry	M	68.67	NYS PDF
	T	<i>Morone alba</i> (MORON) KEISAK (MORON)	Marsh dewflower, wart-	H	78.16	NYS PDF
	T	<i>Myiopsitta monachus</i>	Monk Parakeet	M	53	NYS PDF
	A	<i>Mylopharyngodon piceus</i>	Black Carp	M	56	NYS PDF
	T	<i>Myosotis scorpioides</i> L.	True forget-me-not	U		NYS PDF
	A	<i>Myriophyllum heterophyllum</i> x <i>M. spicatum</i>	Broadleaf Water-milfoil Hybrid			
	A	<i>Myriophyllum spicatum</i> L.	Eurasian water-milfoil	VH	100	NYS PDF
	A	<i>Najas minor</i> All.	Brittle water nymph	M	64.84	NYS PDF
	A	<i>Nasturtium officinale</i> R. Br. ex Ait. (<i>Rorippa nasturtium</i>)	Watercress	M	65.75	NYS PDF
	A	<i>Nelumbo nucifera</i>	Sacred lotus	M	64.38	NYS PDF
	T	<i>Nyctereutes procyonoides</i>	Asian Raccoon Dog	M	57	NYS PDF
	A	<i>Oncorhynchus kisutch</i>	Coho Salmon	fish	46	NYS PDF
	A	<i>Oncorhynchus mykiss</i>	Rainbow Trout	fish	68	NYS PDF
	A	<i>Oncorhynchus tshawytscha</i>	Chinook Salmon	fish	52	NYS PDF
	T	<i>Opisomenus imretius</i> (L.) Beauv. subsp. <i>modulatifolius</i> (And.) H.	Wavyleaf basketgrass, bristle	H	70.27	NYS PDF
	A	<i>Oreochromis aureus</i>	Blue Tilapia	M	58	NYS PDF

Finger Lakes PRISM Tiered Species List
2020

Tier Rank	Terrest	Scientific Name	Common Name	NYS Rank	Score	NYS Profile
	A	<i>Oreochromis niloticus</i>	Nile Tilapia	M	57	NYS PDF
	T	<i>Oryctolagus cuniculus</i>	European Rabbit	M	59	NYS PDF
	T	<i>Paulownia tomentosa</i>	Princess-tree	M	51.11	NYS PDF
	T	<i>Persicaria longisetula</i> (Blair) H.	Creeping smartweed	M	60.27	NYS PDF
	T	<i>Persicaria nepalensis</i> (Wats.) H. B. K.	Nepal smartweed	U		NYS PDF
	T	<i>Persicaria perfoliata</i>	Mile-a-minute weed, mile-a-	VH	91.11	NYS PDF
	A	<i>Petromyzon marinus</i>	Sea Lamprey	M	66.67	NYS PDF
	T	<i>Phalaris arundinacea</i>	Reed canarygrass	H	77.78	NYS PDF
	T	<i>Phasianus colchicus</i> , <i>P. colchicus</i>	Ring-necked Pheasant, Sichuan Pheasant	terrestria	51	NYS PDF
	T	<i>Phellodendron amurense</i>	Amur Cork Tree	H	74	NYS PDF
	T	<i>Phleum pratense</i>	Timothy	M	63.75	NYS PDF
	T	<i>Phragmites australis</i> ssp. <i>Australis</i>	Common reed	VH	92	NYS PDF
	T	<i>Phyllostachys aurea</i>	Golden Bamboo	NA	NA	NYS PDF
	T	<i>Phyllostachys aureosulcata</i> McClure and B. P.	Yellow groove bamboo [grove	NA		NYS PDF
	T	<i>Phytophthora ramorum</i>	Sudden Oak Death	M	54	NYS PDF
	A	<i>Piaractus brachipomus</i>	Red-bellied Pacu	fish	18	NYS PDF
	T	<i>Pimelia ternata</i> (Thunb.) Makino ex Dreitenboeck	Crowdipper, green dragon	L	39.73	NYS PDF
	T	<i>Pinus thunbergii</i>	Japanese black pine	M	58.62	NYS PDF
	T	<i>Pityophthorus juglandis</i>	Walnut Twig Beetle	M	66	NYS PDF
	T	<i>Poa bulbosa</i> L.	Bulbous bluegrass	L	48.75	NYS PDF
	T	<i>Poa compressa</i> L.	Canada bluegrass	M	68.75	NYS PDF
	T	<i>Poa pratensis</i> L.	Kentucky bluegrass	M	67.78	NYS PDF
	T	<i>Podarcis sicula</i>	Italian Wall Lizard, Istanbul Lizard	terrestria	29	NYS PDF
	T	<i>Populus alba</i>	White poplar	M	55.95	NYS PDF
	A	<i>Proterorhinus semilunaris</i> (<i>P. mar</i>	Tubenose Goby	M	54.55	NYS PDF
	T	<i>Prunus avium</i> L.	Sweet cherry	M	55	NYS PDF
	T	<i>Prunus cerasus</i> L.	Sour Cherry	M	55	NYS PDF
	T	<i>Prunus padus</i> L.	European bird cherry	M	51.11	NYS PDF
	T	<i>Pseudosasa japonica</i> (Siebold & Zucc. ex Steud.) Makino ex Nakai	Arrow bamboo	NA	55.17	NYS PDF
	A	<i>Pterois miles</i>	Common Lionfish	M	64	NYS PDF
	A	<i>Pterois volitans</i>	Red Lionfish	M	64	NYS PDF
	T	<i>Ranunculus repens</i> L.	Creeping Butter-cup	M	63.22	NYS PDF
	T	<i>Reynoutria sachalinensis</i> (<i>Fallopia</i>	Giant Knotweed	VH	97.94	NYS PDF
	T	<i>Reynoutria x bohémica</i> (<i>Fallopia</i> x	Bohemian Knotweed	VH	97.94	NYS PDF
	T	<i>Rhamnus cathartica</i>	Common Buckthorn	VH	81	NYS PDF
	T	<i>Rhodotypos scandens</i>	Jetbead	M	69.33	NYS PDF
	T	<i>Robinia hispida</i> L. (var. <i>terrestris</i> & <i>hispida</i>)	Bristly locust, mossy locust,	L	48.28	NYS PDF
	T	<i>Robinia pseudoacacia</i>	Black Locust	VH	81.11	NYS PDF
	T	<i>Rorippa amphibia</i> L. Besser	Great yellowcress, water	U		NYS PDF
	T	<i>Rosa rugosa</i>	Rugosa rose, Japanese rose,	M	63.44	NYS PDF
	T	<i>Rubus bifrons</i> Vest. ex Tratt. (n. <i>arvensis</i> Fr. ex Ecklon & Zeyher)	Himalayan blackberry	M	56.67	NYS PDF
	T	<i>Rubus laciniatus</i>	Cutleaf Evergreen Blackberry,	M	63.22	NYS PDF

Finger Lakes PRISM Tiered Species List
2020

Tier Rank	Terrest	Scientific Name	Common Name	NYS Rank	Score	NYS Profile
	T	<i>Rubus phoenicolasius</i>	Wineberry	VH	85.56	NYS PDF
	T	<i>Rumex acetosella</i>	Sheep sorrel	M	66.25	NYS PDF
	T	<i>Salix atrocinerea/cinerea</i>	Large gray willow, European	VH	84.44	NYS PDF
	T	<i>Salmo trutta</i>	Brown Trout	fish	60	NYS PDF
	A	<i>Salvinia molesta</i>	Water fern	NA		NYS PDF
	A	<i>Sander lucioperca (Stizostedion l.)</i>	Zander	M	60	NYS PDF
	T	<i>Saponaria officinalis</i> L.	Bouncing-bet, bouncing betty,	M	52.5	NYS PDF
	T	<i>Schedonorus pruriens</i> (Scop.) <i>Urtica (S. arundinaceus (Schreb.)</i>	Tall Fescue, Kentucky Fescue,	M	65	NYS PDF
	T	<i>Senecio jacobaea</i> L.	Tansy-ragwort	M	60	NYS PDF
	T	<i>Silphium perfoliatum</i>	Cup-plant	H	77.78	NYS PDF
	T	<i>Sirex noctilio</i> ; <i>Amylostereum areolatum</i>	Sirex Woodwasp; Symbiotic Fun,	algae and	75	NYS PDF
	T	<i>Solanum dulcamara</i> L. var. <i>dulcamara</i>	Trailing nightshade, bittersweet	M	50.52	NYS PDF
	T	<i>Sorbaria sorbifolia</i> (L.) A. Braun	False spiraea	U		NYS PDF
	T	<i>Spiraea japonica</i>	Japanese spiraea	M	62.34	NYS PDF
	T	<i>Sus scrofa</i> (excluding <i>Sus scrofa d</i>	Eurasian Boar	VH	82	NYS PDF
	T	<i>Syringa reticulata</i> (Blume) <i>Ulmus (S. japonica (Dumr.)</i>	Japanese tree lilac	U		NYS PDF
	A	<i>Tachypleus gigas</i> , <i>T. tridentatus</i> , (<i></i>	Asian Horseshoe Crabs	aquatic ir	43.28	NYS PDF
	T	<i>Tanacetum vulgare</i> L.	Common tansy	M	52.38	NYS PDF
	A	<i>Tilapia buttikoferi</i>	Zebra Tilapia	fish	20.93	NYS PDF
	A/T	<i>Trachemys scripta elegans</i>	Red-eared Slider	M	60	NYS PDF
	T	<i>Tussilago farfara</i> L.	Coltsfoot	M	57.5	NYS PDF
	T	<i>Ulmus pumila</i> L.	Siberian elm	M	52.5	NYS PDF
	T	<i>Valeriana officinalis</i>	Common valerian	M	62.16	NYS PDF
	T	<i>Verbena bonariensis</i> L. var. <i>bonariensis</i>	Purpletop vervain	NA		NYS PDF
	T	<i>Veronica beccabunga</i> L.	European speedwell	M	61.84	NYS PDF
	T	<i>Veronica officinalis</i> L.	Common speedwell, gypsy-	M	51.95	NYS PDF
	T	<i>Viburnum dilatatum</i> Thunb.	Linden arrowwood	M	57.14	NYS PDF
	T	<i>Viburnum lantana</i> L.	Wayfaring-tree	M	53.75	NYS PDF
	T	<i>Viburnum opulus</i> L. var. <i>opulus</i>	European cranberry bush,	M	67.09	NYS PDF
	T	<i>Viburnum setigerum</i>	Tea viburnum	L	41.25	NYS PDF
	T	<i>Viburnum sieboldii</i>	Siebold's arrow-wood,	M	62.5	NYS PDF
	T	<i>Vicia cracca</i> L. s.l. <i>(includes Vicia cracca L.)</i>	Bird vetch, cow vetch, winter	M	54.44	NYS PDF
	T	<i>Vinca minor</i>	Common periwinkle	M	57.14	NYS PDF
	T	<i>Vitex rotundifolia</i> L.F.	Roundleaf chastetree, beach	H	73	NYS PDF
	T	<i>Wisteria sinensis</i> / <i>W. floribunda</i>	Chinese wisteria/Japanese	M	56.7	NYS PDF
	A	<i>Xenopus laevis</i>	African Clawed Frog	M	55	NYS PDF

6 NYCRR Part 575
Prohibited and Regulated Invasive Species
September 10, 2014

ALGAE AND CYANOBACTERIA

Prohibited:

Caulerpa taxifolia, Killer Green Algae
Didymosphenia geminata, Didymo
Prymnesium parvum, Golden Algae

Regulated:

Cylindrospermopsis raciborskii, Cylindro
Grateloupia turuturu, Red Algae

PLANTS

Prohibited:

Acer pseudoplatanus, Sycamore Maple
Achyranthes japonica, Japanese Chaff Flower
Alliaria petiolata, Garlic Mustard
Ampelopsis brevipedunculata, Porcelain Berry
Anthriscus sylvestris, Wild Chervil
Aralia elata, Japanese Angelica Tree
Artemisia vulgaris, Mugwort
Arthraxon hispidus, Small Carpet Grass
Berberis thunbergii, Japanese Barberry
Brachypodium sylvaticum, Slender False Brome
Cabomba caroliniana, Fanwort
Cardamine impatiens, Narrowleaf Bittercress
Celastrus orbiculatus, Oriental Bittersweet
Centaurea stoebe (*C. biebersteinii*, *C. diffusa*, *C. maculosa misapplied*, *C. xpsammogena*), Spotted Knapweed
Cirsium arvense (*C. setosum*, *C. incanum*, *Serratula arvensis*), Canada Thistle
Cynanchum louiseae (*C. nigrum*, *Vincetoxicum nigrum*), Black Swallow-wort
Cynanchum rossicum (*C. medium*, *Vincetoxicum medium*, *V. rossicum*), Pale Swallow-wort
Dioscorea polystachya (*D. batatas*), Chinese Yam
Dipsacus laciniatus, Cut-leaf Teasel
Egeria densa, Brazilian Waterweed
Elaeagnus umbellata, Autumn Olive
Euphorbia cyparissias, Cypress Spurge
Euphorbia esula, Leafy Spurge
Ficaria verna (*Ranunculus ficaria*), Lesser Celandine
Frangula alnus (*Rhamnus frangula*), Smooth Buckthorn
Glyceria maxima, Reed Manna Grass
Heracleum mantegazzianum, Giant Hogweed
Humulus japonicus, Japanese Hops
Hydrilla verticillata, Hydrilla/ Water Thyme
Hydrocharis morsus-ranae, European Frogbit
Imperata cylindrica (*I. arundinacea*, *Lagurus cylindricus*), Cogon Grass
Iris pseudacorus, Yellow Iris

Lepidium latifolium, Broad-leaved Pepper-grass
Lespedeza cuneata, Chinese Lespedeza
Ligustrum obtusifolium, Border Privet
Lonicera japonica, Japanese Honeysuckle
Lonicera maackii, Amur Honeysuckle
Lonicera morrowii, Morrow's Honeysuckle
Lonicera tatarica, Tartarian Honeysuckle
Lonicera x bella, Fly Honeysuckle
Ludwigia hexapetala (*L. grandiflora*), Uruguayan Primrose Willow
Ludwigia peploides, Floating Primrose Willow
Lysimachia vulgaris, Garden Loosestrife
Lythrum salicaria, Purple Loosestrife
Microstegium vimineum, Japanese Stilt Grass
Murdannia keisak, Marsh Dewflower
Myriophyllum aquaticum, Parrot-feather
Myriophyllum heterophyllum, Broadleaf Water-milfoil
Myriophyllum heterophyllum x M. laxum, Broadleaf Water-milfoil Hybrid
Myriophyllum spicatum, Eurasian Water-milfoil
Nymphoides peltata, Yellow Floating Heart
Oplismenus hirtellus, Wavyleaf Basketgrass
Persicaria perfoliata (*Polygonum perfoliatum*), Mile-a-minute Weed
Phellodendron amurense, Amur Cork Tree
Phragmites australis, Common Reed Grass
Phyllostachys aurea, Golden Bamboo
Phyllostachys aureosulcata, Yellow Groove Bamboo
Potamogeton crispus, Curly Pondweed
Pueraria montana, Kudzu
Reynoutria japonica (*Fallopia japonica*, *Polygonum cuspidatum*), Japanese Knotweed
Reynoutria sachalinensis (*Fallopia sachalinensis*, *Polygonum sachalinensis*), Giant Knotweed
Reynoutria x bohemica (*Fallopia x bohemica*, *Polygonum x bohemica*), Bohemian Knotweed
Rhamnus cathartica, Common Buckthorn
Rosa multiflora, Multiflora Rose
Rubus phoenicolasius, Wineberry
Salix atrocinerea, Gray Florist's Willow
Silphium perfoliatum, Cup-plant
Trapa natans, Water Chestnut
Vitex rotundifolia, Beach Vitex

Regulated:

Acer platanoides, Norway Maple
Clematis terniflora, Japanese Virgin's Bower
Euonymus alatus, Burning Bush
Euonymus fortunei, Winter Creeper
Miscanthus sinensis, Chinese Silver Grass
Robinia pseudoacacia, Black Locust

FISH

Prohibited:

Channa argus, Northern Snakehead

Channa marulius, Bullseye Snakehead
Channa micropeltes, Giant Snakehead
Clarias batrachus, Walking Catfish
Gambusia affinis, Western Mosquitofish
Gambusia holbrooki, Eastern Mosquitofish
Hypophthalmichthys harmandi, Largescale Silver Carp
Hypophthalmichthys molitrix, Silver Carp
Hypophthalmichthys nobilis, Bighead Carp
Misgurnus anguillicaudatus, Oriental Weatherfish
Mylopharyngodon piceus, Black Carp
Neogobius melanostomus, Round Goby
Petromyzon marinus, Sea Lamprey
Proterorhinus semilunaris (P. marmoratus), Tubenose Goby
Tinca tinca, Tench

Regulated:

Carassius auratus, Goldfish
Cyprinella lutrensis, Red Shiner
Cyprinus carpio, Common Carp/ Koi
Gymnocephalus cernuus, Ruffe
Monopterus albus, Asian Swamp Eel
Oreochromis aureus, Blue Tilapia
Oreochromis niloticus, Nile Tilapia
Pterois miles, Common Lionfish
Pterois volitans, Red Lionfish
Sander lucioperca (Stizostedion lucioperca), Zander
Scardinius erythrophthalmus, Rudd

AQUATIC INVERTEBRATES

Prohibited:

Bellamyia chinensis (Cipangopaludina chinensis), Chinese Mystery Snail
Bellamyia japonica, Japanese Mystery Snail
Bithynia tentaculata, Faucet Snail
Bythotrephes longimanus (B. cederstroemi), Spiny Water Flea
Cercopagis pengoi, Fishhook Water Flea
Corbicula fluminea, Asian Clam
Crassostrea ariakensis, Suminoe Oyster
Didemnum spp., Carpet Tunicate
Dreissena polymorpha, Zebra Mussel
Dreissena rostriformis bugensis, Quagga Mussel
Eriocheir sinensi, Chinese Mitten Crab
Hemigrapsus sanguineus, Asian Shore Crab
Hemimysis anomala, Bloody Red Shrimp
Orconectes rusticus, Rusty Crayfish
Potamopyrgus antipodarum, New Zealand Mud Snail
Rapana venosa, Veined Rapa Whelk
Styela plicata, Asian Sea Squirt

Regulated:

Carcinus maenas, European Green Crab
Daphnia lumholtzi, Water Flea
Hemigrapsus takanoi (H. penicillatus), Brush-clawed Shore Crab/ Grapsid Crab

TERRESTRIAL INVERTEBRATES

Prohibited:

Achatina achatina, Giant Ghana Snail
Achatina fulica (Lissachatina fulica), Giant African Land Snail
Adelges tsugae, Hemlock Woolly Adelgid
Agrilus planipennis, Emerald Ash Borer
Amyntas spp., Asian Earthworms
Anoplophora glabripennis, Asian Longhorn Beetle
Apis mellifera scutellata x A. mellifera ligustica/ A. mellifera iberiensis, Africanized Honey Bee
Archachatina marginata, Giant West African Snail
Cryptococcus fagisuga, Beech Scale
Lymantria dispar, Asian and European Gypsy Moth
Monochamus alternatus, Japanese Pine Sawyer
Pityophthorus juglandis, Walnut Twig Beetle
Sirex noctilio, Sirex Woodwasp

TERRESTRIAL AND AQUATIC VERTEBRATES

Prohibited:

Cygnus olor, Mute Swan
Lepus europaeus, European Hare
Myocastor coypus, Nutria
Nyctereutes procyonoides, Asian Raccoon Dog
Sus scrofa (excluding Sus scrofa domestica), Eurasian Boar

Regulated:

Alopochen aegyptiacus, Egyptian Goose
Cairina moschata, Muscovy Duck
Myiopsitta monachus, Monk Parakeet
Oryctolagus cuniculus, European Rabbit
Trachemys scripta elegans, Red-eared Slider
Xenopus laevis, African Clawed Frog

FUNGI

Prohibited:

Amylostereum areolatum, Sirex Wasp Fungus
Geomyces destructans, White-nose Syndrome
Geosmithia morbida, Thousand Canker Disease
Phytophthora ramorum, Sudden Oak Death

For the official regulations and species lists please see: <http://www.dec.ny.gov/animals/265.html>.

New York State Department of Environmental Conservation
Part 575 Invasive Species Regulations
Questions and Answers

What are invasive species?

Invasive species means a species that is non-native to the ecosystem under consideration; and whose introduction causes or is likely to cause economic or environmental harm or harm to human health.

Why are invasive species a problem?

Invasive species have a detrimental effect upon the State's natural communities and systems by out-competing native species, diminishing biological diversity, altering community structure and, in some cases, changing ecosystem processes. They can even harm human health.

How will these regulations help?

The regulations were developed by the Department of Environmental Conservation, in cooperation with the Department of Agriculture and Markets. These regulations, once implemented, are expected to help control invasive species by reducing the introduction and spread of invasive species populations by limiting commerce in such species, thereby having a positive impact on the environment.

How were the lists of species in the regulations developed?

The lists of prohibited and regulated species were developed using the standardized species assessment and listing process outlined in the 2010 report "A Regulatory System for Non-native Species". Lists of candidate non-native invasive species were compiled by reviewing other state regulations, reports, lists and consulting with agency experts. A rapid assessment was conducted to determine if the species warranted listing and was already federally regulated. Ecological invasiveness assessments were conducted on each potential invasive species followed by a socio-economic assessment for those ranking High or Very High. The assessment team then placed the species in the appropriate regulatory classification of Prohibited or Regulated. The initial recommendations were submitted to the Invasive Species Advisory Committee (25 Non-Government Organizations) and Council (9 State Agencies) for review and comment. The lists were then incorporated into the regulations.

Why isn't a particular species included on the prohibited or regulated lists?

Due to staffing limitations and time constraints, the initial list of prohibited and regulated species is not all-encompassing. We anticipate that the regulations will be updated on a regular basis. The regulations include language for petitioning for addition or removal of species from the prohibited and regulated lists. Some species were assessed, but do not meet the criteria for prohibition or regulation.

Aren't some of the species listed as either prohibited or regulated already established?

Yes, however, there are areas of the State in which they have not yet established populations and these regulations are intended to slow the spread by reducing the number of individuals of a species released into a region, to which they are not native, associated with the sale and introduction of such species.

When did the regulation become final?

The part 575 invasive species regulations were proposed, and a 60 day to public comment held between October and December 2013. During this time, four public hearings were scheduled across the State. All comments received were reviewed and a summary of public comments and agency responses was compiled. Required changes were made to the final regulations. A summary of the final regulations was published in the State Register September 10, 2014 and the full express terms were published on the Department's website.

Once finalized, when will the regulations become implemented?

A summary of the final regulations was published in the State Register September 10, 2014. The part 575 regulations take effect 6 months later (March 10, 2015).

What is the difference between prohibited and regulated invasive 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 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.

What is considered a free-living state?

A species is considered in a free-living state if it is introduced to public lands or lands connected to public lands, natural areas, and public waters or waters connected to public waters.

Are there any exceptions to the definition of a free-living state?

Yes, such exceptions include artificial ponds and water gardens with no outlet to public waters, waters entirely within private land not connected to public waters, and water-use facilities with outflows not providing access to public waters.

Do the regulations require existing populations of species on the prohibited and regulated lists be managed or destroyed by the land-owner?

No, existing populations of non-native invasive species listed as prohibited or regulated and established prior to the implementation of the final part 575 regulations do not require management by the owner. However, once implemented, the final regulations do prohibit commerce involving those species listed as prohibited species and the release of regulated species into a free-living state.

What species have grace periods established in the regulations?

A one year grace period is included in the regulations for Japanese Barberry (*Berberis thunbergii*), during which existing stock of this species may be sold. In addition, a person may possess, sell, offer for sale, distribute, transport, or otherwise market or trade live Eurasian boars (*Sus scrofa*) until September 1, 2015. No person shall knowingly import, propagate or introduce Eurasian boars into a free-living state.

Will there be a fee for permits? No fee is anticipated for permits issued for research, education or other approved activity.

Who will enforce the final regulations?

The regulations will be enforced by the Department of Environmental Conservation, with assistance from the Department of Agriculture and Markets.