

Wild Rivers Invasive Species Coalition selected prioritization of non-native invasive species

Last updated: 3/12/2015 based on comments from Terrestrial Action Team, 3/18/2015 based on comments from AIS Action Team, final document presented to Board of Directors on June 3, 2015.

Category Definition

This list is intended to serve as a guideline for WRISC staff/partners, as well as others managing invasive species in the WRISC five county area. Species are separated into three categories based on overall distribution across the five counties as well as other ranking considerations such as ecological and health threats. A species may be considered early detection in one area but more widespread in another. As such, when prioritizing control efforts managers should examine the local abundance of a species as well as the population size, density, and negative impacts to gauge its control priority. Please see the WRISC control prioritization tool for one way to assess and rank invasive infestations.

This list will be reviewed annually and adjusted as needed based on species distribution, updated research, and state regulation classifications.

Tier 1 – High Priority: For the most part, species in this category exist only in isolated, scattered populations. Several species on this list have yet to be found in the WRISC area, but may be classified as Restricted or Prohibited by the states, making them a detection priority. As such, species on this list are targets for early detection and rapid response efforts to prevent their introduction/spread, and to eradicate existing populations.

Tier 2 – Mid Priority: This category consists mostly of species that are more widespread than tier 1 species, but at levels still considered manageable. Species in this category can negatively impact natural areas, requiring control and management efforts, but due to their wider distribution eradication of the species may be unlikely.

Tier 3 – Low Priority: These species are considered low priority in the WRISC area. This category includes species considered very widespread in the area, making control efforts extremely difficult and reinfestation likely. Species that are not considered high ecological threats may also be added to this category.

State Legal Classification: P = Prohibited, R = Restricted

Species are chosen for regulation by state agencies based on the harm they pose to the state's environment, economy, and/or public health. In general, species that are more widespread or naturalized are restricted while less widespread species are prohibited. The transport, introduction, and sale of all regulated species is illegal. Possession is also illegal in some instances. (Exemptions are made for purposes of identification and control, permits are required for education/research.) In Michigan, it is illegal to possess any regulated species (this does not include species present on a person's property, which they did not knowingly introduce). In Wisconsin, it is only illegal to possess a prohibited species, and property owners are legally required to control prohibited species present on their property.

Note: For full details on invasive species state regulations, visit <http://dnr.wi.gov/topic/Invasives/classification.html> for Wisconsin and http://www.michigan.gov/dnr/0,4570,7-153-10370_59996-270798--,00.html for Michigan.

Common Name	Scientific Name	WI NR40 Classification	MI Classification
Tier 1 High Priority (Early Detection/Rapid Response)			
Asian clam	<i>Corbicula fluminea</i>	P	
Asian Longhorn Beetle	<i>Anoplophora glabripennis</i>	P	P
Black swallow-wort	<i>Cynanchum louiseae</i>	P/R (P in WRISC area)	
Brazilian waterweed (elodea)	<i>Egeria densa</i>	P	P
Winged Euonymous	<i>Euonymus alatus</i>	R	
Celandine	<i>Chelidonium majus</i>	P/R	
Chinese yam	<i>Dioscorea polystachya</i>	P	
Common Teasel	<i>Dipsacus fullonum subsp. sylvestris</i>	R	
Crazy Worm	<i>Amyntas agrestis</i>	R	
Curly-leaf Pondweed	<i>Potamogeton crispus</i>	R	R
Cut Leaved Teasel	<i>Dipsacus laciniatus</i>	R	
Dame's rocket	<i>Hesperis matronalis</i>	R	
Emerald Ash Borer	<i>Agrilus planipennis</i>	R	P
European Frogbit	<i>Hydrocharis morsus-ranae</i>	P	P
Faucet Snail	<i>Bithynia tentaculata</i>	P	
Flowering Rush	<i>Butomus umbellatus</i>	R	R
Garlic mustard	<i>Alliaria petiolata</i>	R	
Giant Hogweed	<i>Heracleum mantegazzianum</i>	P	P
Giant Knotweed	<i>Polygonum sachalinensis</i>	P	
Hemlock woolly adelgid	<i>Adelges tsugae</i>	P	
Hill Mustard	<i>Bunias orientalis</i>	P/R (P in WRISC area)	
HoundsTongue	<i>Cynoglossum officinale</i>	R	
Hydrilla	<i>Hydrilla verticillata</i>	P	P
Japanese barberry	<i>Berberis thunbergii</i>	R	
Japanese Hedgeparsley	<i>Torilis arvensis</i>	P/R (P in WRISC area)	
Japanese Hops	<i>Humulus japonicus</i>	P/R (P in WRISC area)	
Japanese Knotweed	<i>Polygonum cuspidatum</i>	R	P
Japanese stiltgrass	<i>Microstegium vimineum</i>	P	
Kudzu	<i>Pueraria lobata</i>	P	
Leafy Spurge, Cypress Spurge	<i>Euphorbia esula, E. cyparissias</i>	R	
Multiflora rose	<i>Rosa multiflora</i>	R	
Musk thistle	<i>Carduus nutans</i>	R	
New Zealand Mudsnail	<i>Potamopyrgus antipodarum</i>	P	P
Oriental bittersweet	<i>Celastrus orbiculatus</i>	R	
Pale Swallow-wort	<i>Cynanchum rossicum</i>	P	
Parrot Feather	<i>Myriophyllum aquaticum</i>	P	P
Phragmites (Non-native)	<i>Phragmites australis</i>	P/R (R in WRISC area)	R
Plumeless thistle	<i>Carduus acanthoides</i>	R	

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Poison Hemlock	<i>Conium maculatum</i>	P/R (P in WRISC area)	
Porcelain berry	<i>Ampelopsis brevipedunculata</i>	P	
Quagga Mussel	<i>Dreissena bugensis</i>	P	R
Rainbow smelt	<i>Osmerus mordax</i>	R	
Red Swamp Crayfish	<i>Procambarus clarkii</i>	P	P
Round goby	<i>Neogobius melanostomus</i>	R	P
Ruffe	<i>Gymnocephalus cernuus</i>	R	P
Sea lamprey	<i>Petromyzon marinus</i>	R	
Servicea lespedeza	<i>Lespedeza cuneata</i>	P	
Spiny Waterflea	<i>Bythotrephes cederstroemi</i>	P	
Starry Stonewort	<i>Nitellopsis obtusa</i>	P	P
Tall manna grass	<i>Glyceria maxima</i>	P/R	
Three-spine stickleback	<i>Gasterosteus aculeatus</i>	R	
Tree of Heaven	<i>Ailanthus altissima</i>	R	
Watercress	<i>Nasturtium officinale</i>	C	
Wild chervil	<i>Anthriscus sylvestris</i>	P/R (P in WRISC area)	
Yellow flag iris	<i>Iris pseudoacorus</i>	R	P
Yellow Floating Heart	<i>Nymphoides peltata</i>	P	P
Yellow Star Thistle	<i>Centaurea solstitialis</i>	P	
Zebra Mussel	<i>Dreissena polymorpha</i>	R	R
Tier 2: Mid Priority Manageable			
Autumn olive	<i>Elaeagnus umbellata</i>	R	R
Black locust	<i>Robinia pseudoacacia</i>	R	
Bristly locust	<i>Robinia hispida</i>	R	
Bull Thistle	<i>Cirsium vulgare</i>		
Canada Thistle	<i>Cirsium arvense</i>	R	
Common Buckthorn	<i>Rhamnus cathartica</i>	R	
Common Burdock	<i>Arctium minus</i>		
Common mullein	<i>Verbascum thapsus</i>		
Common Tansy	<i>Tanacetum vulgare</i>	R	
Creeping bellflower	<i>Campanula rapunculoides</i>	R	
Crown vetch	<i>Coronilla varia</i>	R	
Eurasian honeysuckles	<i>Lonicera tatarica, L. morrowii and L. x bella</i>	R (all)	
Eurasian watermilfoil	<i>Myriophyllum spicatum</i>	R	R
European Marsh thistle	<i>Cirsium palustre</i>	P/R (R in WRISC area)	
Forget-me-not	<i>Myosotis arvensis, M. scorpioides, M. sylvatica</i>		
Glossy Buckthorn	<i>Frangula alnus</i>	R	
Purple Loosestrife	<i>Lythrum salicaria</i>	R	R
Russian olive	<i>Elaeagnus angustifolia</i>	R	
Siberian elm	<i>Ulmus pumila</i>	R	

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Siberian pea	<i>Caragana arborescens</i>	proposed R	
Spotted knapweed (and other invasive knapweeds)	<i>Centaurea biebersteinii</i> (and <i>Centaurea spp.</i>)	R for Spotted, other species R or P	
White sweet clover	<i>Melilotus alba</i>		
Wild parsnip	<i>Pastinaca sativa</i>	R	
Winged Euonymous	<i>Euonymus alatus</i>	R	
Tier 3: Low Priority Widespread			
Banded mystery snail	<i>Viviparus georgianus</i>		
Bishop's Gout-weed	<i>Aegopodium podagraria</i>	R	
Brittle-stem hemp-nettle	<i>Galeopsis tetrahit</i>	R	
Butter-and-eggs	<i>Linaria vulgaris</i>		
Cattail hybrid	<i>Typha x glauca</i>	R	
Chinese mystery snail	<i>Cipangopaludina chinensis</i>	R	
Garden valerian	<i>Valeriana officinalis</i>		
Gypsy moth	<i>Lymantria dispar</i>	R	
Hairy vetch	<i>Vicia villosa</i>		
Narrow-leaved cattail	<i>Typha angustifolia</i>	R	
Phragmites (Non-native): Lake MI shoreline	<i>Phragmites australis</i>	R	R
Reed canary grass	<i>Phalaris arundinacea</i>		
Rusty Crayfish	<i>Orconectes rusticus</i>	R	R
St. John's-wort	<i>Hypericum perforatum</i>		
Sweet William	<i>Dianthus barbatus</i>		
White Poplar	<i>Populus alba</i>	R	