



# Provincial Priority Invasive Species

## BC Inter-Ministry Invasive Species Working Group

*March 2021*

Invasive species are prioritized at a Provincial scale using a science-based risk assessment process. Management actions are further determined based on these priorities at a both Provincial and Regional scale and depending on available resources and treatment methods. The management categories presented below have been developed by the BC Inter-Ministry Invasive Species Working Group and the Provincial Government’s Invasive Species Specialists. The invasive species are presented in management categories based on a Provincial scale, and do not take into consideration local or regional criteria. The list does not include marine species.

DEFINITIONS	
<b>Prevent</b>	Species determined to be high risk to BC and not yet established. <b>Management objective</b> is to prevent the introduction and establishment.
<b>Provincial EDRR</b>	Species is high risk to BC and is new to the Province. <b>Management objective</b> is eradication.
<b>Provincial Containment</b>	Species is high risk with limited extent in BC but significant potential to spread. <b>Management objective</b> is to prevent further expansion into new areas with the ultimate goal of reducing the overall extent.
<b>Regional Containment/Control</b>	Species is high risk and well established, or medium risk with high potential for spread. <b>Management objective</b> is to prevent further expansion into new areas within the region through establishment of containment lines and identification of occurrences outside the line to control.
<b>Management</b>	Species is more widespread but may be of concern in specific situations with certain high values - e.g., conservation lands, specific agriculture crops. <b>Management objective</b> is to reduce the invasive species impacts locally or regionally, where resources are available.

## Provincial Priority Invasive Species

<b>Disease</b>	Prevent	Infectious amphibian diseases (e.g. chytrid fungus, rana virus)	<i>multiple</i>	<i>multiple</i>
<b>Disease</b>	Prevent	Whirling disease	<i>Myxobolus</i>	<i>cerebralis</i>
<b>Disease</b>	Prevent	White nose syndrome - bats	<i>Pseudogymnoascus</i>	<i>destructans</i>
<b>Fish</b>	Prevent	American shad	<i>Alosa</i>	<i>sapidissima</i>
<b>Fish</b>	Prevent	Amur goby	<i>Rhinogobius</i>	<i>brunneus</i>
<b>Fish</b>	Prevent	Bighead carp	<i>Hypophthalmichthys</i>	<i>nobilis</i>
<b>Fish</b>	Prevent	Bitterling	<i>Rhodeus</i>	<i>species</i>
<b>Fish</b>	Prevent	Black carp	<i>Mylopharyngodon</i>	<i>piceus</i>
<b>Fish</b>	Prevent	Channel catfish	<i>Ictalurus</i>	<i>punctatus</i>
<b>Fish</b>	Prevent	Grass carp	<i>Ctenopharyngodon</i>	<i>idella</i>
<b>Fish</b>	Prevent	Green sunfish	<i>Lepomis</i>	<i>cyanelus</i>
<b>Fish</b>	Prevent	Monkey goby	<i>Neogobius</i>	<i>fluviatilis</i>
<b>Fish</b>	Prevent	Muskellunge	<i>Esox</i>	<i>masquinongy</i>
<b>Fish</b>	Prevent	Prussian carp	<i>Carassius</i>	<i>carassius</i>
<b>Fish</b>	Prevent	Red bellied piranha*	<i>Pygocentrus</i>	<i>nattereri</i>
<b>Fish</b>	Prevent	Rock bass	<i>Ambloplites</i>	<i>rupestris</i>
<b>Fish</b>	Prevent	Round goby	<i>Neogobius</i>	<i>melanostomus</i>
<b>Fish</b>	Prevent	Silver carp	<i>Hypophthalmichthys</i>	<i>molitrix</i>
<b>Fish</b>	Prevent	Snakehead spp. (northern, blotched and rainbow)	<i>Channa</i>	<i>maculata, argus &amp; bleheri</i>
<b>Fish</b>	Prevent	Spottail shiner (native in northeastern BC)	<i>Notropis</i>	<i>hudsonius</i>
<b>Fish</b>	Prevent	Tubenose goby	<i>Proterorhinus</i>	<i>semilunaris</i>
<b>Fish</b>	Prevent	Tui chub	<i>Gila</i>	<i>bicolor</i>
<b>Fish</b>	Prevent	Warmouth	<i>Lepomis</i>	<i>gulosus</i>
<b>Fish</b>	Prevent	Western mosquitofish	<i>Gambusia</i>	<i>affinis</i>
<b>Fish</b>	Prevent	White cloud mountain minnow	<i>Tanichthys</i>	<i>albonubes</i>
<b>Invertebrate</b>	Prevent	Apple snail	<i>Ampullariidae</i>	<i>sp.</i>
<b>Invertebrate</b>	Prevent	Conrad's false mussel	<i>Mytilopsis</i>	<i>leucophaeata</i>
<b>Invertebrate</b>	Prevent	Marbled crayfish	<i>Procambarus</i>	<i>fallax f. virginalis</i>
<b>Invertebrate</b>	Prevent	Ringed crayfish	<i>Orconectes</i>	<i>neglectus</i>

Invertebrate	Prevent	Rusty crayfish	<i>Orconectes</i>	<i>rusticus</i>
Invertebrate	Prevent	Spiny waterflea	<i>Bythotrephes</i>	<i>longimanus</i>
Invertebrate	Prevent	Spotted lantern fly	<i>Lycorma</i>	<i>delicatula</i>
Invertebrate	Prevent	Virile crayfish	<i>Orconectes</i>	<i>virilis</i>
Invertebrate	Prevent	Zebra & Quagga mussels	<i>Dreissena</i>	<i>polymorpha &amp; bugensis</i>
Mammal	Prevent	Nutria	<i>Myocastor</i>	<i>coypus</i>
Plant	Prevent	Camelthorn	<i>Alhagi</i>	<i>maurorum</i>
Plant	Prevent	Clary sage	<i>Salvia</i>	<i>sclarea</i>
Plant	Prevent	Common crupina	<i>Crupina</i>	<i>vulgaris</i>
Plant	Prevent	Cordgrass, Smooth	<i>Spartina</i>	<i>alterniflora</i>
Plant	Prevent	Eggleaf spurge	<i>Euphorbia</i>	<i>oblongata</i>
Plant	Prevent	Goatsrue	<i>Galega</i>	<i>officinalis</i>
Plant	Prevent	Halogeton/Saltover	<i>Halogeton</i>	<i>glomeratus</i>
Plant	Prevent	Hydrilla	<i>Hydrilla</i>	<i>verticillata</i>
Plant	Prevent	Iberian starthistle	<i>Centaurea</i>	<i>iberica</i>
Plant	Prevent	Italian thistle	<i>Carduus</i>	<i>pycnocephalus</i>
Plant	Prevent	Johnsongrass	<i>Sorghum</i>	<i>halepense</i>
Plant	Prevent	Kudzu	<i>Pueraria</i>	<i>montana var. lobata</i>
Plant	Prevent	Meadow clary	<i>Salvia</i>	<i>pratensis</i>
Plant	Prevent	Mediterranean sage	<i>Salvia</i>	<i>aethiopsis</i>
Plant	Prevent	Medusahead	<i>Taeniatherum</i>	<i>caput-medusae</i>
Plant	Prevent	Purple nutsedge	<i>Cyperus</i>	<i>rotundus</i>
Plant	Prevent	Purple starthistle	<i>Centaurea</i>	<i>calcitrapa</i>
Plant	Prevent	Red bartsia	<i>Odontites</i>	<i>serotina</i>
Plant	Prevent	Silverleaf nightshade	<i>Solanum</i>	<i>elaeagnifolium</i>
Plant	Prevent	Slender/Meadow foxtail	<i>Alopecurus</i>	<i>mysuroides</i>
Plant	Prevent	Slenderflower thistle	<i>Carduus</i>	<i>tenuiflorus</i>
Plant	Prevent	Spring milletgrass	<i>Milium</i>	<i>vernale</i>
Plant	Prevent	Spurge flax	<i>Thymelaea</i>	<i>passerina</i>
Plant	Prevent	Squarrose knapweed	<i>Centaurea</i>	<i>virgata ssp. squarrosa</i>
Plant	Prevent	Syrian bean-caper	<i>Zygophyllum</i>	<i>fabago</i>
Plant	Prevent	Texas blueweed	<i>Helianthus</i>	<i>ciliaris</i>
Plant	Prevent	Water soldier	<i>Stratiotes</i>	<i>aloides</i>
Plant	Prevent	Yellow starthistle	<i>Centaurea</i>	<i>solstitialis</i>

<b>Reptile</b>	Prevent	Italian wall lizard	<i>Podarcis</i>	<i>siculus</i>
<b>Fish</b>	Provincial EDRR	Oriental weather loach	<i>Misgurnus</i>	<i>anguillicaudatus</i>
<b>Fish</b>	Provincial EDRR	Rosy red minnow (or Fat head minnow)	<i>Pimephales</i>	<i>promelas</i>
<b>Insects and spiders</b>	Provincial EDRR	Asian longhorned beetle	<i>Anoplophora</i>	<i>glabripennis</i>
<b>Insects and spiders</b>	Provincial EDRR	Gypsy moths (Asian & European)	<i>Lymantria</i>	<i>spp.</i>
<b>Insects and spiders</b>	Provincial EDRR	Japanese beetle	<i>Popillia</i>	<i>japonica</i>
<b>Insects and spiders</b>	Provincial EDRR	Asian giant hornet	<i>Vespa</i>	<i>mandarinia</i>
<b>Other invertebrates</b>	Provincial EDRR	European brown garden snail	Cornu	aspersum
<b>Other invertebrates</b>	Provincial EDRR	Red swamp crayfish	<i>Procambarus</i>	<i>clarkii</i>
<b>Plant</b>	Provincial EDRR	African rue	<i>Peganum</i>	<i>harmala</i>
<b>Plant</b>	Provincial EDRR	Black henbane	<i>Hyoscyamus</i>	<i>niger</i>
<b>Plant</b>	Provincial EDRR	Brazilian elodea/Waterweed	<i>Egeria</i>	<i>densa</i>
<b>Plant</b>	Provincial EDRR	Dyer's woad	<i>Isatis</i>	<i>tinctoria</i>
<b>Plant</b>	Provincial EDRR	European common reed	<i>Phragmites</i>	<i>australis</i>
<b>Plant</b>	Provincial EDRR	Flowering rush	<i>Butomus</i>	<i>umbellatus</i>
<b>Plant</b>	Provincial EDRR	Giant reed	<i>Arundo</i>	<i>donax</i>
<b>Plant</b>	Provincial EDRR	Cordgrass, dense-flower	<i>Spartina</i>	<i>densiflora</i>
<b>Plant</b>	Provincial EDRR	Cordgrass, salt meadow	<i>Spartina</i>	<i>patens</i>
<b>Plant</b>	Provincial EDRR	Cordgrass, Common/English	<i>Spartina</i>	<i>anglica</i>
<b>Plant</b>	Provincial EDRR	Jointed goatgrass	<i>Aegilops</i>	<i>cylindrica</i>
<b>Plant</b>	Provincial EDRR	Maltese star thistle	<i>Centaurea</i>	<i>melitensis</i>
<b>Plant</b>	Provincial EDRR	Mouse-ear hawkweed	<i>Hieracium</i>	<i>pilosella</i>
<b>Plant</b>	Provincial EDRR	Perennial pepperweed	<i>Lepidium</i>	<i>latifolium</i>
<b>Plant</b>	Provincial EDRR	Shiny geranium	<i>Geranium</i>	<i>lucidum</i>
<b>Plant</b>	Provincial EDRR	Slender false-brome	<i>Brachypodium</i>	<i>sylvaticum subsp. sylvaticum</i>
<b>Plant</b>	Provincial EDRR	Water hyacinth*	<i>Eichhornia</i>	<i>crassipes</i>
<b>Plant</b>	Provincial EDRR	Water lettuce*	<i>Pistia</i>	<i>stratiotes</i>
<b>Plant</b>	Provincial EDRR	Yellow floating heart	<i>Nymphoides</i>	<i>peltata</i>
<b>Fungus</b>	Provincial Containment	Death cap	<i>Amanita</i>	<i>phalloides</i>
<b>Insects and spiders</b>	Provincial Containment	Apple maggot	<i>Rhagoletis</i>	<i>pomonella</i>
<b>Mammal</b>	Provincial Containment	Fallow deer	<i>Dama</i>	<i>dama</i>
<b>Mammal</b>	Provincial Containment	Feral swine	<i>Sus</i>	<i>scrofa</i>
<b>Mammal</b>	Provincial Containment	Virginia opossum	<i>Didelphis</i>	<i>virginiana</i>

<b>Other invertebrates</b>	Provincial Containment	Asian clam	<i>Corbicula</i>	<i>fluminea</i>
<b>Other invertebrates</b>	Provincial Containment	Cherry shrimp	<i>Neocaridina</i>	<i>davidi</i>
<b>Other invertebrates</b>	Provincial Containment	Chinese mystery snail	<i>Bellamya</i>	<i>chinensis</i>
<b>Other invertebrates</b>	Provincial Containment	New Zealand mudsnail	<i>Potamopyrgus</i>	<i>antipodarum</i>
<b>Plant</b>	Provincial Containment	Garlic mustard	<i>Alliaria</i>	<i>petiolata</i>
<b>Plant</b>	Provincial Containment	Giant hogweed	<i>Heracleum</i>	<i>mantegazzianum</i>
<b>Plant</b>	Provincial Containment	North Africa grass	<i>Ventenata</i>	<i>dubia</i>
<b>Plant</b>	Provincial Containment	Poison hemlock	<i>Conium</i>	<i>maculatum</i>
<b>Plant</b>	Provincial Containment	Rush skeletonweed	<i>Chondrilla</i>	<i>juncea</i>
<b>Plant</b>	Provincial Containment	Wild chervil	<i>Anthriscus</i>	<i>sylvestris</i>
<b>Plant</b>	Provincial Containment	Wild parsnip	<i>Pastinaca</i>	<i>sativa</i>
<b>Amphibian</b>	Regional Containment/Control	American bull frogs	<i>Lithobates</i>	<i>catesbeianus</i>
<b>Amphibian</b>	Regional Containment/Control	Green frog	<i>Lithobates</i>	<i>clamitans</i>
<b>Fish</b>	Regional Containment/Control	Goldfish	<i>Carassius</i>	<i>auratus</i>
<b>Fish</b>	Regional Containment/Control	Northern pike (southern BC)	<i>Esox</i>	<i>lucius</i>
<b>Fish</b>	Regional Containment/Control	Yellow perch (in Thompson Nicola)	<i>Perca</i>	<i>flavescens</i>
<b>Insects and spiders</b>	Regional Containment/Control	European fire ant & other invasive ants	<i>Myrmica</i>	<i>rubra</i>
<b>Mammal</b>	Regional Containment/Control	Eastern fox squirrel	<i>Sciurus</i>	<i>niger</i>
<b>Mammal</b>	Regional Containment/Control	Eastern grey squirrel	<i>Sciurus</i>	<i>carolinensis</i>
<b>Mammal</b>	Regional Containment/Control	European rabbits	<i>Oryctolagus</i>	<i>cuniculus</i>
<b>Mammal</b>	Regional Containment/Control	Norway rat/Brown rat	<i>Ratus</i>	<i>norvegicus</i>
<b>Mammal</b>	Regional Containment/Control	Roof/Black Rat	<i>Ratus</i>	<i>ratus</i>
<b>Plant</b>	Regional Containment/Control	Blueweed	<i>Echium</i>	<i>vulgare</i>
<b>Plant</b>	Regional Containment/Control	Common bugloss	<i>Anchusa</i>	<i>officinalis</i>
<b>Plant</b>	Regional Containment/Control	Common tansy	<i>Tanacetum</i>	<i>vulgare</i>
<b>Plant</b>	Regional Containment/Control	Field scabious	<i>Knautia</i>	<i>arvensis</i>
<b>Plant</b>	Regional Containment/Control	Himalayan blackberry	<i>Rubus</i>	<i>armeniacus</i>
<b>Plant</b>	Regional Containment/Control	Himalayan knotweed	<i>Persicaria</i>	<i>wallichii</i>
<b>Plant</b>	Regional Containment/Control	Hoary alyssum	<i>Berteroa</i>	<i>incana</i>
<b>Plant</b>	Regional Containment/Control	Hoary cress	<i>Cardaria</i>	<i>draba</i>
<b>Plant</b>	Regional Containment/Control	Knotweeds (Japanese, Giant and Bohemian)	<i>Fallopia/Reynoutria &amp; Polygonum</i>	<i>spp.</i>
<b>Plant</b>	Regional Containment/Control	Leafy spurge	<i>Euphorbia</i>	<i>esula</i>
<b>Plant</b>	Regional Containment/Control	Marsh plume thistle	<i>Cirsium</i>	<i>palustre</i>

<b>Plant</b>	Regional Containment/Control	Orange hawkweed	<i>Hieracium</i>	<i>aurantiacum</i>
<b>Plant</b>	Regional Containment/Control	Policeman's helmet/Himalayan balsam	<i>Impatiens</i>	<i>glandulifera</i>
<b>Plant</b>	Regional Containment/Control	Puncturevine	<i>Tribulus</i>	<i>terrestris</i>
<b>Plant</b>	Regional Containment/Control	Scotch broom	<i>Cytisus</i>	<i>scoparius</i>
<b>Plant</b>	Regional Containment/Control	Spotted knapweed	<i>Centaurea</i>	<i>stoebe</i>
<b>Plant</b>	Regional Containment/Control	Teasel	<i>Dipsacus</i>	<i>fullonum</i>
<b>Plant</b>	Regional Containment/Control	Whiplash hawkweed	<i>Hieracium</i>	<i>flagellare</i>
<b>Plant</b>	Regional Containment/Control	Yellow archangel	<i>Lamium</i>	<i>galeobdolon</i>
<b>Plant</b>	Regional Containment/Control	Yellow flag iris	<i>Iris</i>	<i>pseudacorus</i>
<b>Reptile</b>	Regional Containment/Control	European wall lizard	<i>Podarcis</i>	<i>muralis</i>
<b>Reptile</b>	Regional Containment/Control	Red-eared slider	<i>Trachemys</i>	<i>scripta</i>
<b>Reptile</b>	Regional Containment/Control	Snapping turtle	<i>Chelydra</i>	<i>serpentina</i>
<b>Birds</b>	Management	American black duck	<i>Anas</i>	<i>rubripes</i>
<b>Birds</b>	Management	Eurasian collared dove	<i>Streptopelia</i>	<i>decaocto</i>
<b>Birds</b>	Management	European house sparrow	<i>Passer</i>	<i>domesticus</i>
<b>Birds</b>	Management	European starling	<i>Sturnus</i>	<i>vulgaris</i>
<b>Birds</b>	Management	Mute swan	<i>Cygnus</i>	<i>olor</i>
<b>Birds</b>	Management	Rock pigeon	<i>Columba</i>	<i>livia</i>
<b>Birds</b>	Management	Wild turkey	<i>Meleagris</i>	<i>gallopavo</i>
<b>Fish</b>	Management	Black crappie	<i>Pomoxis</i>	<i>nigromaculatus</i>
<b>Fish</b>	Management	Bluegill sunfish	<i>Lepomis</i>	<i>macrochirus</i>
<b>Fish</b>	Management	Bullhead (yellow, brown and black)	<i>Ameiurus</i>	<i>melas, natalis &amp; nebulosus</i>
<b>Fish</b>	Management	Common carp	<i>Cyprinus</i>	<i>carpio</i>
<b>Fish</b>	Management	Pumpkinseed sunfish	<i>Lepomis</i>	<i>gibbosus</i>
<b>Fish</b>	Management	Smallmouth & Largemouth Bass	<i>Micropterus</i>	<i>dolomieu &amp; salmoides</i>
<b>Fish</b>	Management	Tench	<i>Tinca</i>	<i>tinca</i>
<b>Fish</b>	Management	Walleye (southern BC)	<i>Sander</i>	<i>vitreus</i>
<b>Insects and spiders</b>	Management	Balsam woolly adelgid	<i>Adelges</i>	<i>piceae</i>
<b>Insects and spiders</b>	Management	Brown marmorated stinkbug	<i>Halyomorpha</i>	<i>halys</i>
<b>Insects and spiders</b>	Management	Drumming katydid	<i>Meconema</i>	<i>thalassinum</i>
<b>Insects and spiders</b>	Management	European chafer	<i>Amphimallon</i>	<i>majale</i>
<b>Insects and spiders</b>	Management	European paper wasp	<i>Polistes</i>	<i>dominula</i>
<b>Insects and spiders</b>	Management	Large yellow underwing	<i>Noctua</i>	<i>pronuba</i>
<b>Insects and spiders</b>	Management	Praying mantis	<i>Mantis</i>	<i>religiosa</i>

Insects and spiders	Management	Spotted wing drosophila	<i>Drosophila</i>	<i>suzukii</i>
Insects and spiders	Management	Winter moth	<i>Operophtera</i>	<i>brumata</i>
Insects and spiders	Management	Woodlouse spider	<i>Dysdera</i>	<i>crocata</i>
Mammal	Management	Eastern cottontail rabbit	<i>Sylvilagus</i>	<i>floridanus</i>
Other invertebrates	Management	Banded garden snail	<i>Cepaea</i>	<i>nemoralis</i>
Other invertebrates	Management	Freshwater jellyfish	<i>Craspedacusta</i>	<i>sowerbyi</i>
Other invertebrates	Management	Land slugs	<i>Arion spp.</i>	<i>rufus and vulgaris</i>
Plant	Management	Bur chervil	<i>Anthriscus</i>	<i>caucalis</i>
Plant	Management	Carpet burweed	<i>Soliva</i>	<i>sessilis</i>
Plant	Management	Cypress spurge	<i>Euphorbia</i>	<i>cyparissias</i>
Plant	Management	Gorse	<i>Ulex</i>	<i>europaeus</i>
Plant	Management	Invasive yellow hawkweeds	<i>Hieracium</i>	<i>spp.</i>
Plant	Management	Longspine Sandbur	<i>Cenchrus</i>	<i>longispinus</i>
Plant	Management	Mountain bluet	<i>Centaurea</i>	<i>montana</i>
Plant	Management	Purple loosestrife	<i>Lythrum</i>	<i>salicaria</i>
Plant	Management	Scentless chamomile	<i>Tripleurospermum</i>	<i>inodorum</i>
Plant	Management	Scotch thistle	<i>Onopordum</i>	<i>acanthium</i>
Plant	Management	Spurge laurel	<i>Daphne</i>	<i>laureola</i>
Plant	Management	Sulphur cinquefoil	<i>Potentilla</i>	<i>recta</i>
Plant	Management	Sweet fennel	<i>Foeniculum</i>	<i>vulgare</i>
Plant	Management	Eurasian watermilfoil	<i>Myriophyllum</i>	<i>spicatum</i>
Plant	Management	Tansy ragwort	<i>Jacobaea</i>	<i>vulgaris</i>

\*status under review

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