



Provincial Priority Invasive Species

BC Inter-Ministry Invasive Species Working Group

February 2020

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

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

Fish	Provincial EDRR	Oriental weather loach	<i>Misgurnus</i>	<i>anguillicaudatus</i>
Fish	Provincial EDRR	Rosy red minnow (or Fat head minnow)	<i>Pimephales</i>	<i>promelas</i>
Insects and spiders	Provincial EDRR	Asian longhorned beetle	<i>Anoplophora</i>	<i>glabripennis</i>
Insects and spiders	Provincial EDRR	Gypsy moths (Asian & European)	<i>Lymantria</i>	<i>spp.</i>
Insects and spiders	Provincial EDRR	Japanese beetle	<i>Popillia</i>	<i>japonica</i>
Insects and spiders	Provincial EDRR	Japanese hornet	<i>Vespa</i>	<i>mandarina</i>
Other invertebrates	Provincial EDRR	European brown garden snail	Cornu	<i>aspersum</i>
Other invertebrates	Provincial EDRR	Red swamp crayfish	<i>Procambarus</i>	<i>clarkii</i>
Plant	Provincial EDRR	African rue	<i>Peganum</i>	<i>harmala</i>
Plant	Provincial EDRR	Black henbane	<i>Hyoscyamus</i>	<i>niger</i>
Plant	Provincial EDRR	Brazilian elodea/Waterweed	<i>Egeria</i>	<i>densa</i>
Plant	Provincial EDRR	Dyer's woad	<i>Isatis</i>	<i>tinctoria</i>
Plant	Provincial EDRR	European common reed	<i>Phragmites</i>	<i>australis</i>
Plant	Provincial EDRR	Flowering rush	<i>Butomus</i>	<i>umbellatus</i>
Plant	Provincial EDRR	Giant reed	<i>Arundo</i>	<i>donax</i>
Plant	Provincial EDRR	Invasive cordgrasses	<i>Spartina</i>	<i>spp.</i>
Plant	Provincial EDRR	Maltese star thistle	<i>Centaurea</i>	<i>melitensis</i>
Plant	Provincial EDRR	Mouse-ear hawkweed	<i>Hieracium</i>	<i>pilosella</i>
Plant	Provincial EDRR	North African grass	<i>Ventenata</i>	<i>dubia</i>
Plant	Provincial EDRR	Perennial pepperweed	<i>Lepidium</i>	<i>latifolium</i>
Plant	Provincial EDRR	Shiny geranium	<i>Geranium</i>	<i>lucidum</i>
Plant	Provincial EDRR	Slender false brome	<i>Brachypodium</i>	<i>sylvaticum subsp. sylvaticum</i>
Plant	Provincial EDRR	Water hyacinth*	<i>Eichhornia</i>	<i>crassipes</i>
Plant	Provincial EDRR	Water lettuce*	<i>Pistia</i>	<i>stratiotes</i>
Plant	Provincial EDRR	Yellow floating heart	<i>Nymphoides</i>	<i>peltata</i>
Plant	Provincial EDRR	Yellow starthistle*	<i>Centaurea</i>	<i>solstitialis</i>
Fungus	Provincial Containment	Death cap	<i>Amanita</i>	<i>phalloides</i>
Insects and spiders	Provincial Containment	Apple maggot	<i>Rhagoletis</i>	<i>pomonella</i>
Mammal	Provincial Containment	Fallow deer	<i>Dama</i>	<i>dama</i>
Mammal	Provincial Containment	Feral swine	<i>Sus</i>	<i>scrofa</i>
Mammal	Provincial Containment	Virginia opossum	<i>Didelphis</i>	<i>virginiana</i>
Other invertebrates	Provincial Containment	Asian clam	<i>Corbicula</i>	<i>fluminea</i>
Other invertebrates	Provincial Containment	Cherry shrimp	<i>Neocaridina</i>	<i>dauidi</i>

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

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