

CKISS Aquatic Priority List 2023

Type	Common Name	Latin Name	CKISS Region	Waterbody	Provincial Priority*	Regulated in B.C.
Aquatic plant	Brazilian elodea	<i>Egeria densa</i>	1. Prevention/EDRR		Provincial EDRR	
Aquatic plant	Common/ European frogbit	<i>Hydrocharis morsus-ranae</i>	1. Prevention/EDRR		Recommended for regulating as Provincially Noxious	
Aquatic plant	Curly leaf pondweed	<i>Potamogeton crispus</i>	3. Containment	Kootenay Lake & River, Columbia River, Pend D'Oreille River	Recommended for management where appropriate and threatening critical habitats/SAR	Community Charters Act
Aquatic plant	Eurasian water-milfoil	<i>Myriophyllum spicatum</i>	3. Containment	Kootenay Lake & River, Columbia River, Pend D'Oreille River	Management	Community Charters Act
Aquatic plant	Fanwort	<i>Cabomba caroliniana</i>	1. Prevention/EDRR		Recommended for regulation - coastal waterbodies at risk	
Aquatic plant	Feathered mosquito fern	<i>Azolla pinnata</i>	1. Prevention/EDRR		Under review - not in adjacent jurisdictions - Risk Assessment required	
Aquatic plant	Floating primrose-willow	<i>Ludwigia peploides</i>	1. Prevention/EDRR		Under review - in adjacent jurisdiction - flagged for Risk Assessment	
Aquatic plant	Flowering rush	<i>Butomus umbellatus</i>	2. Eradication/ Annual Control**	Private ponds	Provincial EDRR	Weed Control Act; Community Charters Act
Aquatic plant	Fragrant water lily	<i>Nymphaea odorata</i>	2. Eradication/ Annual Control	Nancy Greene Lake, Erie Lake, Meldeanna/Champion Ponds	Recommended for regulating to prevent further introductions	
Aquatic plant	Giant salvinia	<i>Salvinia molesta</i>	1. Prevention/EDRR		Recommended for regulating as Provincially Noxious	
Aquatic plant	Hydrilla	<i>Hydrilla verticillata</i>	1. Prevention/EDRR		Provincial EDRR	Community Charters Act
Aquatic plant	Parrot's feather milfoil	<i>Myriophyllum aquaticum</i>	1. Prevention/EDRR		Proposed for regulating as Provincially Noxious - to be added to Provincial Priority List	
Aquatic plant	Variable-leaf milfoil	<i>Myriophyllum heterophyllum</i>	1. Prevention/EDRR		Provincial Watchlist	
Aquatic plant	Water chestnut	<i>Trapa natans</i>	1. Prevention/EDRR		Proposed for regulating as Provincial EDRR	
Aquatic plant	Watercress	<i>Nasturtium officinale</i>	2. Eradication/ Annual Control	Kootenay Lake	Identified for Risk Assessment	
Aquatic plant	Water hyacinth	<i>Eichhornia crassipes</i>	1. Prevention/EDRR		Provincial EDRR	
Aquatic plant	Water lettuce	<i>Pistia stratiotes</i> L.	1. Prevention/EDRR		Provincial EDRR	
Aquatic plant	Water primrose	<i>Ludwigia hexapetala</i>	1. Prevention/EDRR		Requires Risk Assessment - Provincial EDRR	
Aquatic plant	Water soldier	<i>Stratiotes aloides</i>	1. Prevention/EDRR		Provincial EDRR	
Aquatic plant	Yellow floating heart	<i>Nymphoides peltata</i>	1. Prevention/EDRR		Provincial EDRR	
Disease	Infectious amphibian diseases (e.g. chytrid fungus, rana virus)	multiple	3. Containment	Creston Valley	Prevent	
Disease	Whirling disease	<i>Myxobolus cerebralis</i>	1. Prevention/EDRR		Prevent	
Fish	American shad	<i>Alosa sapidissima</i>	1. Prevention/EDRR		Prevent	
Fish	Amur Goby	<i>Rhinogobius brunneus</i>	1. Prevention/EDRR		Prevent	Controlled Alien Species Regulations
Fish	Bighead carp	<i>Hypophthalmichthys nobilis</i>	1. Prevention/EDRR		Prevent	Controlled Alien Species Regulations
Fish	Bitterlings	All species from the Genus <i>Rhodeus</i>	1. Prevention/EDRR		Prevent	Controlled Alien Species Regulations
Fish	Black Carp	<i>Mylopharyngodon piceus</i>	1. Prevention/EDRR		Prevent	Controlled Alien Species Regulations
Fish	Black catfish (formerly Black bullhead)	<i>Ameiurus melas</i>	3. Containment	Creston Valley	Management	Controlled Alien Species Regulations
Fish	Black crappie	<i>Pomoxis nigromaculatus</i>	1. Prevention/EDRR		Management	

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Fish	Bluegill sunfish	<i>Lepomis macrochirus</i>	1. Prevention/EDRR		Management	
Fish	Brook trout	<i>Salvelinus fontinalis</i>	4. Established, Strategic Management	Possibly most widely distributed non-native fish in the region	Unlisted	
Fish	Brown catfish (formerly Brown bullhead)	<i>Ameiurus nebulosus</i>	3. Containment	Creston Valley, Pend D'Oreille River	Management	Controlled Alien Species Regulations
Fish	Brown trout	<i>Salmo trutta</i>	3. Containment	Columbia River, Pend D'Oreille River	Unlisted	
Fish	Catfish	All species of the family <i>Ictaluridae</i>	3. Containment	Pend D'Oreille River. Various species present in B.C.	Prevent (Channel catfish, <i>Ictalurus punctatus</i>)	Controlled Alien Species Regulations
Fish	Common carp	<i>Cyprinus carpio</i>	3. Containment	Columbia River, Kootenay River, Pend D'Oreille River	Management	
Fish	Eurasian Ruffe	<i>Gymnocephalus cernua</i>	1. Prevention/EDRR		Unlisted	
Fish	Goldeye	<i>Hiodon alosoides</i>	1. Prevention/EDRR		Unlisted	
Fish	Goldfish	<i>Carassius auratus</i>	1. Prevention/EDRR		Regional Containment/Control	
Fish	Grass Carp	<i>Ctenopharyngodon idella</i>	1. Prevention/EDRR		Prevent	Controlled Alien Species Regulations
Fish	Green sunfish	<i>Lepomis cyanellus</i>	1. Prevention/EDRR		Prevent	
Fish	Lake trout	<i>Salvelinus namaycush</i>	3. Containment	Columbia River, Kootenay River. Reports of sightings in Arrow Lakes	Unlisted	
Fish	Lake whitefish	<i>Coregonus clupeaformis</i>	3. Containment	Arrow Lakes, Kootenay Lake, Columbia River	Unlisted	
Fish	Large mouth bass	<i>Micropterus salmoides</i>	3. Containment	Present in many waterbodies in the CKISS Region	Management	
Fish	Monkey Goby	<i>Neogobius fluviatilis</i>	1. Prevention/EDRR		Prevent	Controlled Alien Species Regulations
Fish	Muskellunge	<i>Esox masquinongy</i>	1. Prevention/EDRR		Prevent	
Fish	Northern pike	<i>Esox lucius</i>	2. Eradication/ Annual Control	Columbia River, Pend D'Oreille River	Regional Containment/Control	
Fish	Oriental weather loach	<i>Misgurnus anguillicaudatus</i>	1. Prevention/EDRR		Provincial EDRR	Controlled Alien Species Regulations
Fish	Prussian Carp	<i>Carassius gibelio</i>	1. Prevention/EDRR		Prevent	
Fish	Pumpkinseed sunfish	<i>Lepomis gibbosus</i>	3. Containment	Present in many valley bottom lakes throughout the region	Management	
Fish	Rainbow Smelt	<i>Osmerus mordax</i>	1. Prevention/EDRR		Unlisted	
Fish	Red bellied piranha	<i>Pygocentrus nattereri</i>	1. Prevention/EDRR		Prevent	
Fish	Rock bass	<i>Ambloplites rupestris</i>	1. Prevention/EDRR		Prevent	
Fish	Rosy red minnow (or Fat head minnow)	<i>Pimephales promelas</i>	1. Prevention/EDRR		Provincial EDRR	
Fish	Round Goby	<i>Neogobius melanostomus</i>	1. Prevention/EDRR		Prevent	Controlled Alien Species Regulations
Fish	Sea lamprey	<i>Petromyzon marinus</i>	1. Prevention/EDRR		Unlisted	
Fish	Silver Carp	<i>Hypophthalmichthys molitrix</i>	1. Prevention/EDRR		Prevent	Controlled Alien Species Regulations
Fish	Small mouth bass	<i>Micropterus dolomieu</i>	3. Containment	Columbia River, Pend D'Oreille River	Management	
Fish	Snakehead	All <i>Channa sp.</i> and <i>Parachanna sp.</i>	1. Prevention/EDRR		Prevent	Controlled Alien Species Regulations
Fish	Spottail shiner	<i>Notropis hudsonius</i>	1. Prevention/EDRR		Prevent	

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Fish	Tench	<i>Tinca tinca</i>	3. Containment	Columbia River, Pend D'Oreille River	Management	Controlled Alien Species Regulations
Fish	Tube-nose Goby	<i>Proterorhinus semilunaris</i>	1. Prevention/EDRR		Prevent	Controlled Alien Species Regulations
Fish	Tui chub	<i>Gila bicolor</i>	1. Prevention/EDRR		Prevent	
Fish	Walleye	<i>Sander vitreus</i>	3. Containment	Columbia River, Pend D'Oreille River	Management	
Fish	Warmouth	<i>Lepomis gulosus</i>	1. Prevention/EDRR		Prevent	
Fish	Western Mosquitofish	<i>Gambusia affinis</i>	1. Prevention/EDRR		Prevent	Controlled Alien Species Regulations
Fish	White Cloud Minnow	<i>Tanichthys albonubes</i>	1. Prevention/EDRR		Prevent	Controlled Alien Species Regulations
Fish	Yellow catfish (formerly Yellow bullhead)	<i>Ameiurus natalis</i>	1. Prevention/EDRR		Management	
Fish	Yellow perch	<i>Perca flavescens</i>	3. Containment	Present in many waterbodies; abundant where ecological niche permits throughout valley bottoms	Regional Containment/Control (in Thompson Nicola)	
Invertebrate	Apple snail	<i>Ampullariidae spp.</i>	1. Prevention/EDRR		Prevent	
Invertebrate	Asian clam	<i>Corbicula fluminea</i>	2. Eradication/ Annual Control	Pend D'Oreille River	Provincial Containment	
Invertebrate	Cherry shrimp	<i>Neocaridina davidi</i>	1. Prevention/EDRR		Provincial Containment	
Invertebrate	Chinese mystery snails	<i>Bellamya chinensis</i>	1. Prevention/EDRR		Provincial Containment	
Invertebrate	Japanese and other mystery snails	<i>Cipangopaludina</i>	1. Prevention/EDRR		Unlisted	
Invertebrate	Freshwater jellyfish	<i>Craspedacusta sowerbyi</i>	1. Prevention/EDRR		Management	
Invertebrate	Marbled crayfish	<i>Procambarus fallax f. virginialis</i>	1. Prevention/EDRR		Prevent	
Invertebrate	New Zealand mudsnail	<i>Potamopyrgus antipodarum</i>	1. Prevention/EDRR		Provincial Containment	
Invertebrate	Virile crayfish	<i>Orconectes virilis</i>	1. Prevention/EDRR		Prevent	
Invertebrate	Quagga mussel	<i>Dreissena rostriformis bugensis</i>	1. Prevention/EDRR		Prevent	Controlled Alien Species Regulations
Invertebrate	Red swamp crayfish	<i>Procambarus clarkii</i>	1. Prevention/EDRR		Provincial EDRR	
Invertebrate	Ringed crayfish	<i>Orconectes neglectus</i>	1. Prevention/EDRR		Prevent	
Invertebrate	Rusty crayfish	<i>Orconectes rusticus</i>	1. Prevention/EDRR		Prevent	
Invertebrate	Spiny waterflea	<i>Bythotrephes longimanus</i>	1. Prevention/EDRR		Prevent	
Invertebrate	Fishhook/Water waterfleas	<i>Cercopagis pengoi</i> , <i>Bosmina coregoni</i> (respectively)	1. Prevention/EDRR		Unlisted	
Invertebrate	Zebra mussel	<i>Dreissena polymorpha</i>	1. Prevention/EDRR		Prevent	Controlled Alien Species Regulations
Riparian plant locations are within CKISS Invasive Plant Management Areas***						
Riparian plant	European common reed	<i>Phragmites australis</i> (<i>P. australis</i> [Cavanilles] Trinibus ex Steudel)	2. Eradication/ Annual Control**		Provincial EDRR	Weed Control Act; Community Charters Act; Forest and Range Practices Act
Riparian plant	Garden loosestrife	<i>Lysimachia vulgaris</i>	1. Prevention/EDRR		Proposed for regulating as Provincially Noxious	
Riparian plant	Giant hogweed	<i>Heracleum mantegazzianum</i>	2. Eradication/ Annual Control		Provincial Containment	Weed Control Act
Riparian plant	Giant mannagrass/ Sweetgrass reed	<i>Glyceria maxima</i>	1. Prevention/EDRR		Proposed for regulating as Provincially Noxious	Weed Control Act

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Riparian plant	Giant reed	<i>Arundo donax L.</i>	1. Prevention/EDRR		Provincial EDRR	
Riparian plant	Knotweeds (Japanese, giant, himalayan, and bohemian)	<i>Polygonum/ Fallopia sp.</i>	3. Containment		Regional Containment/Control	Weed Control Act; Community Charters Act
Riparian plant	Policeman's helmet/ Himalayan balsam	<i>Impatiens glandulifera</i>	3. Containment		Regional Containment/Control	Community Charters Act
Riparian plant	Purple Loosestrife	<i>Lythrum salicaria</i>	3. Containment		Management	Weed Control Act; Community Charters Act
Riparian plant	Russian olive	<i>Elaeagnus angustifolia</i>	2. Eradication/ Annual Control		Unlisted (Trees not included in current Provincial Priority List - this will be addressed in the future)	
Riparian plant	Salt Cedar	<i>Tamarix aphylla</i>	2. Eradication/ Annual Control		Unlisted	
Riparian plant	Wand loosestrife	<i>Lythrum virgatum</i>	1. Prevention/EDRR		Unlisted	
Riparian plant	Yellow flag-Iris	<i>Iris pseudacorus</i>	3. Containment		Regional Containment/Control	Weed Control Act; Community Charters Act; Forest and Range Practices Act
Vertebrate	African clawed frog	<i>Xenopus laevis</i>	1. Prevention/EDRR		Unlisted	
Vertebrate	American bullfrog	<i>Lithobates catesbeianus</i>	2. Eradication/ Annual Control	Creston Valley, Nelway	Regional Containment/Control	Community Charters Act
Vertebrate	Green frog	<i>Lithobates clamitans</i>	1. Prevention/EDRR		Regional Containment/Control	
Vertebrate	Nutria	<i>Myocastor coypus</i>	1. Prevention/EDRR		Prevent	
Vertebrate	Red-eared Slider	<i>Trachemys scripta elegans</i>	1. Prevention/EDRR		Regional Containment/Control	
Vertebrate	Snapping turtle	<i>Chelydra serpentina</i>	1. Prevention/EDRR		Regional Containment/Control	
Vertebrate	Yellow-bellied Slider	<i>Trachemys scripta scripta</i>	1. Prevention/EDRR		Unlisted	

*Species are presented in management categories based on a Provincial scale and do not take into consideration local or regional criteria.

**These species may be present in the CKISS region but are managed by the Province (i.e. Provincial EDRR). Sightings should follow the Provincial reporting invasive species protocol - <https://alpha.gov.bc.ca/gov/content/environment/plants-animals-ecosystems/invasive-species/reporting-invasive-species>.

***See CKISS Invasive Plant Priority List for Invasive Plant Management Areas - <https://ckiss.ca/species/invasive-plant-priority-lists/>