

COLUMBIA BASIN AQUATIC INVASIVE SPECIES PRIORITY LIST, UPDATED 2017

Category	Common Name	Latin Name	Regulated in BC?	BC Proposed Prohibited Weeds: Lead action taken by Province	Possibility of establishment and spread (e.g. how much of a threat here) High, Med, Low	Closest known location	Columbia Basin region (X = present)				(X = present)	Bordering regions (X = present)			
							CKISS	ERISC	CSISS (Columbia portion)	NWIPC (Kimbasket portion)	BC	Alberta	Idaho- Kootenai River	WA or ID- Pend D'Oreille (Lake, river)	Montana
Aquatic plant	Brazilian elodea	<i>Egeria densa</i>	Proposed Prohibited List (EDRR) under Weed Control Act	Yes	Low	Vancouver Island and several counties on the coast of WA; Moscow, ID					x				
Aquatic plant	Common/ European frogbit	<i>Hydrocharis morsus-ranae</i>			High	Sohomish county, Washington									
Aquatic plant	Curly leaf pondweed	<i>Potamogeton crispus</i>	Community Charters Act		High	Kootenay-Columbia system; Pend D'Oreille River	x						X	X	X
Aquatic plant	Eurasian water-milfoil	<i>Myriophyllum spicatum</i>	Community Charters Act		High	Kootenay-Columbia system; Pend D'Oreille River; Lake Revelstoke; Upper Arrow Lake	x		x				X	X	X
Aquatic plant	Fanwort	<i>Cabomba caroliniana</i>			Medium	Walla Walla county WA									
Aquatic plant	Feathered mosquito fern	<i>Azolla pinnata</i>			Low	Status in BC, unknown. Arizona (found as contaminant in ID nursery)									
Aquatic plant	Floating primrose-willow	<i>Ludwigia peploides</i>			Medium	King county WA									
Aquatic plant	Flowering rush	<i>Butomus umbellatus</i>	Weed Control Act; Community Charters Act ; Proposed Prohibited (EDRR)	Yes	High	Northern Idaho and Washington; Pend Oreille River near Lone, WA. (Likely presence in Canadian PDO due to presence in ID PDO)							X	X	X
Aquatic plant	Fragrant water lily	<i>Nymphaea odorata</i>			High	Nancy Greene & Erie Lakes; Meldeanna Ponds; Sinclair Creek. (southern Pend Oreille county, WA)	x	x							
Aquatic plant	Giant salvinia	<i>Salvinia molesta</i>			Low	Status in BC, unknown. California.									
Aquatic plant	Hydrilla	<i>Hydrilla verticillata</i>	Community Charters Act; Proposed Prohibited (EDRR)	Yes	High	ID, southern; WA, coastal									
Aquatic plant	Parrotfeather milfoil	<i>Myriophyllum aquaticum</i>			Low	SW BC; WA and ID, mid-southern regions					x				
Aquatic plant	Variable-leaf milfoil	<i>Myriophyllum heterophyllum</i>			High	Fraser Valley, Pierce county, WA, Bingham , ID					x				
Aquatic plant	Water chestnut	<i>Trapa natans</i>			Medium	Present in eastern US									
Aquatic plant	Water hyacinth	<i>Eichornia crassipes</i>	Proposed Prohibited (EDRR)	Yes	Low	At Christina Lake in private pond; ID and WA.					x				
Aquatic plant	Water primrose	<i>Ludwigia hexapetala</i>			Medium	WA (King and Lewis counties)									
Aquatic plant	Water soldier	<i>Strialotes aloides</i>		Yes	High	Trent system, Ont									
Aquatic plant	Yellow floating heart	<i>Nymphoides peltata</i>			High	Seymour Lake, Smithers BC; Long Lake, Spokane, WA; Emmett, ID					x				
Fish	Amur Goby	<i>Rhinogobius brunneus</i>	Controlled/Alien Species Regulations		Low. Although there are landlocked populations in its native range, larvae require salt water environment to survive.	Columbia River near Portland, OR									
Fish	Bighead carp	<i>Hypophthalmichthys nobilis</i>	Controlled/Alien Species Regulations		Medium. Temperatures are within its tolerated range. Strict requirements for reproduction.	Great Lakes									
Fish	Bitterlings	All species from the Genus <i>Rhodeus</i>	Controlled/Alien Species Regulations		Medium. Require Unionid mussel host to reproduce	NE United States									
Fish	Black bullhead	<i>Ameiurus melas</i>	Controlled/Alien Species Regulations		High	Present in Creston Valley (See notes for brown bullhead)	x								x
Fish	Black Carp	<i>Mylopharyngodon piceus</i>	Controlled/Alien Species Regulations		Low	eastern USA									
Fish	Black crappie	<i>Pomoxis nigromaculatus</i>			High	Present in Pend D'Oreille at Box Canyon Reservoir; documented in a 1992 report in PDO River, CA	x (1992)							X	
Fish	Brook trout	<i>Salvelinus fontinalis</i>			High	Possibly most widely distributed non-native fish in the basin	x	x	x	x		X	X	X	X
Fish	Brown bullhead	<i>Ameiurus nebulosus</i>	Controlled/Alien Species Regulations		High	Present in Creston Valley. Often confused with black bullhead so range not known definitively.	x							X	x
Fish	Brown trout	<i>Salmo trutta</i>			Medium-High	Lower Columbia River, Pend D'Oreille River (CA), Archibald Creek (W. of Erie Lake), Boundary County ID.	x					X		x (1977)	
Fish	Catfish	All species from the family <i>Ictaluridae</i>	Controlled/Alien Species Regulations		High	Various species present in BC					x	X(<i>Noturus flavus</i> native)	X	X	X
Fish	Common carp	<i>Cyprinus carpio</i>			High	Present in Columbia and Kootenay River from border to Brilliant Dam; Lower & Upper (CKISS & CSISS regions) Arrow Lakes; Tie Lake; Windermere Lake; Columbia River N. of Windermere	x	x	x					x	
Fish	Eurasian Ruffe	<i>Gymnocephalus cernua</i>			High	Great Lakes									
Fish	Goldeye	<i>Hiodon alosoides</i>			High	Nebraska									
Fish	Goldfish	<i>Carassius auratus</i>			High	Kelowna; Grand Forks					x	X(Bow River)			
Fish	Grass Carp	<i>Ctenopharyngodon idella</i>	Controlled/Alien Species Regulations		High	Sterile triploid grass carp used in Alberta for control of aquatic vegetation; Pend D'Oreille River, near Sandpoint ID.							X	X	
Fish	Lake trout	<i>Salvelinus namaycush</i>			High. Lake trout were responsible for steep decline in kokanee in Lake Pend D'Oreille	Lower Columbia-Kootenay Rivers, Pend D'Oreille Lake & River ID & WA (1990), Kootenai River MT (1980).	x						X	X	X
Fish	Lake whitefish	<i>Coregonus clupeaformis</i>			High	Established in Lower Columbia River, Lower & Upper Arrow Lakes.	x	x (1982)	x				X		

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							CKISS	EKISC	CKISS (Columbia portion)	NWIPC (Kinbasket portion)	BC	Alberta	Idaho- Kootenai River	WA or ID- Pend D'Oreille (Lake, river)	Montana
Fish	Large mouth bass	<i>Micropterus salmoides</i>			High	In many water bodies in CKISS and EKISC regions; Bush Arm, Kinbasket Lake (1999)	X	X	not present, but potential presence in Columbia wetlands			X	X	X	
Fish	Monkey Goby	<i>Neogobius fluviatilis</i>	Controlled Alien Species Regulations		High	No location information									
Fish	Northern pike	<i>Esox lucius</i>			High	Present in Columbia River, Pend D'Oreille River, WA, HaHa Lake, Columbia River S. of Golden	X	X			X-native	X (Bonner and Perkins lakes)	X	X	
Fish	Oriental weather loach	<i>Misgurnus anguillicaudatus</i>	Controlled Alien Species Regulations		High	Lower Mainland, BC (Alouette River)				x					
Fish	Prussian Carp	<i>Carassius gibelio</i>			High	Present throughout Alberta from Fort MacMurray to South Saskatchewan River; Snake River Idaho.					X				
Fish	Pumpkinseed sunfish	<i>Lepomis gibbosus</i>			High	Present in many valley bottom lakes throughout the region; Bush Arm, Kinbasket Lake (2009)	X	X	not present, but potential presence in Columbia wetlands			X	X	X	
Fish	Rainbow Smelt	<i>Osmerus mordax</i>			High	Present in Missouri drainage of MT, but not bordering region of MT and Great Lakes (CA)								X	
Fish	Round Goby	<i>Neogobius melanostomus</i>	Controlled Alien Species Regulations		High	Great Lakes									
Fish	Sea lamprey	<i>Petromyzon marinus</i>			High	Great Lakes									
Fish	Silver Carp	<i>Hypophthalmichthys molitrix</i>	Controlled Alien Species Regulations			Great Lakes and North Dakota									
Fish	Small mouth bass	<i>Micropterus dolomieu</i>			High	Present in Columbia River downstream from keeneyside dam, the Pend D'Oreille River and Lake Roosevelt	X						X	X	
Fish	Snakehead	All <i>Channa sp.</i> and <i>Parachanna sp.</i>	Controlled Alien Species Regulations		Low-High depending on species. Northern snakehead a high risk.	Blotched snakehead reported in Park Pond, Burnaby. Not found in wild in any bordering areas. Northern snakehead are those most commonly encountered in northeastern US invasions									
Fish	Tench	<i>Tinca tinca</i>	Controlled Alien Species Regulations		High	Present in Pend D'Oreille River, Lake Roosevelt, N. end of Premier Lake (pre 2006)	x	x					X		
Fish	Tubenose Goby	<i>Proterorhinus semilunaris</i>	Controlled Alien Species Regulations		High	Great Lakes									
Fish	Walleye	<i>Sander vitreus</i>			High	Present in Columbia River downstream from keeneyside dam, Pend D'Oreille River, Bush Arm Kinbasket Lake (pre 2009)	X	Unconfirmed reports in Wasa sloughs			X-native	X	X		
Fish	Western Mosquitofish	<i>Gambusia affinis</i>	Controlled Alien Species Regulations		Medium	Flathead river north of Flathead Lake (MT)					X			X (1990)	
Fish	White Cloud Minnow	<i>Tanichthys albonubes</i>	Controlled Alien Species Regulations		Medium	Georgia, US									
Fish	Yellow bullhead	<i>Ameiurus natalis</i>	Controlled Alien Species Regulations		High	Roosevelt Lake and Clark Fork River MT at Noxon								x	
Fish	Yellow perch	<i>Perca flavescens</i>			High	In many water bodies in CKISS and EKISC regions; abundant where ecological niche permits throughout valley bottoms	X	X	X		X-native	X	X	X	
Invertebrate	Asian clam	<i>Corbicula fluminea</i>			High	McDonald Lk, MT (drains into Flathead); PDO Lk, ID; Columbia R. (S of 47 P) and NW WA- Vancouver Isl.							X	x	
Invertebrate	Chinese, Japanese and other mystery snails	<i>Bellamya / Cipangopaludina</i>			High	Lower Mainland; NW WA; Hauser Lk, N. ID				x					
Invertebrate	New Zealand mudsnail	<i>Potamopyrgus antipodarum</i>			High	Kalispell Ck (near Priest Lk), ID; Columbia R. (S of 47 P) and NW WA; Missouri R. MT- Vancouver Isl.				x				X	
Invertebrate	Northern/ virile crayfish	<i>Orconectes virilis</i>			High	Near Coeur d'Alene Lk, ID; near Flathead Lk, MT; Columbia R. (N of 47 P) WA.								X	
Invertebrate	Quagga mussel	<i>Dreissena rostriformis bugensis</i>	Controlled Alien Species Regulations		High	High alert for western North America								(x)	
Invertebrate	Red swamp crayfish	<i>Procambarus clarkii</i>			Medium	Western WA; southern ID									
Invertebrate	Rusty crayfish	<i>Orconectes rusticus</i>			Medium	John Day River (Oregon)									
Invertebrate	Spiny/Fishhook/Water waterfleas	<i>Bythotrephes longimanus</i> , <i>Cercopagis pengoi</i> , <i>Bosmina coregoni</i> (respectively)			High	Great Lakes (Bl, Cp and Bc); Lake Winnipeg (Bc); Lake Washington, King County WA (Bc)									
Invertebrate	Zebra mussel	<i>Dreissena polymorpha</i>	Controlled Alien Species Regulations		High	High alert for western North America. Known in Manitoba and Montana.								(x)	
Riparian plant	European common reed	<i>Phragmites australis</i> (<i>P. australis</i> [Cavanilles] <i>Trinius ex Steudel</i>)	Weed Control Act; Community Charters Act; Forest and Range Practices Act; Proposed Prohibited (EDRR)	Yes	High	BC Okanagan; Kamloops; Boundary County ID; MT (S. of Sask.). Seven invasive sites confirmed in BC, remaining 200+ sites are native.				x				x	
Riparian plant	Garden loosestrife	<i>Lysimachia vulgaris</i>	Proposed Prohibited (EDRR)		High	Southwest BC; Stevens County WA.				x					
Riparian plant	Giant hogweed	<i>Heraclium mantegazzianum</i>	Weed Control Act		High	Known in Hills and Kaslo	X								
Riparian plant	Giant manna grass/ Sweetgrass reed	<i>Glyceria maxima</i>	Weed Control Act; Proposed Prohibited (EDRR)		Medium	Fraser Valley (Burnaby Lake)				x					

