

Listing of "Invasive" Aquatic Species occurring in Alberta

2007

Category	Species Common Name	Species Scientific Name	Pathway	Known Locations
Plants	Purple Loosestrife Didymo, Rock-snot, Toiletpaper algae	<i>Lythrum salicaria</i> <i>Didymosphenia geminata</i>	Recreation	Wetlands, 20 acres in wild. Several urban plantings Upper Bow, Red Deer, Kananaskis, Oldman rivers
Fish	Smallmouth bass	<i>Micropterus dolomieu</i>	Stocked	Island Lake
	Threespine stickleback	<i>Gasterosteus aculeatus aculeatus</i>	Illegal transfer	Hasse Lake, Lake Eden, Edmonton storm water retention pond, possibly 2-3 other waterbodies near Edmonton
	Goldfish	<i>Carassius auratus</i>	Aquarium trade	Henderson Lake (Lethbridge); Hasse Lake, Eden Lake (Stony Plain area) + several other stormwater drainage ponds in Edmonton. Henderson Lake and Hasse Lake populations appear to be self-sustaining.
	Crucian carp	<i>Carassius carassius</i>	Aquarium trade	Ducks Unlimited wetland at Bow Habitat Station. Several fish were found and removed in 2006.
	Grass carp (diploid)	<i>Ctenopharyngodon idella</i>	Food fish	Live fertile (diploid) grass carp are also imported into the province and sold as live food fish for human consumption
	Dolly varden	<i>Salvelinus malma</i>	Stocked	Chester Lake (1974). This was carried out as a stocking of arctic char, the fish were later identified to be dolly varden.
	Arctic char	<i>Salvelinus alpinus</i>	Stocked	Arctic char were unsuccessfully stocked in two alpine lakes in the 1950's. More recently arctic char have been legally imported to Alberta by a private fish culture operator and have escaped from the operator's facility into the wild (Lott Creek)
	Yellow perch Tilapia	<i>Perca flavescens</i>	Illegal transfer Aquarium trade	22 waterbodies with undesired perch populations. Several fish found dead in the North Saskatchewan River
	Redside shiner	<i>Richardsonius balteatus</i>	Illegal transfer	Introduced illegally to Lee Lake in the late 1980's
Invertebrates	Northern crayfish	<i>Orconectes virilis</i>	Illegal transfer	Historically occupied a small range in Alberta (Beaver River) but are now appearing in the Peace River and North Saskatchewan River likely due to illegal introductions.
	Australian red claw crayfish leech	<i>Cherax quadricarinatus</i> <i>various? Class Hirudinea</i>	Aquarium trade fishing bait (commercial)	Heritage Lake & Cardiff Pond, near Morinville various (generally lakes)

Invasive Aquatic Species Threats to Alberta

Category	Species Common Name	Species Scientific Name	Pathway	Known Locations
Plants	Aquarium/ornamental plants Eurasian Water Milfoil	<i>Myriophyllum spicatum L.</i>	Aquarium/Ornamental Recreation	
Fish	Snakeheads	Family Chanidae	Food fish	
	Pacific sturgeon / white sturgeon	<i>Acipenser transmontanus</i>	Aquarium/Ornamental	
	Carp spp.		Aquarium/Ornamental and Food fish	
	Bluegill	<i>Lepomis macrochirus</i>	Aquarium/Ornamental	
	Charming sucker		Aquarium/Ornamental	
	Eels		Food fish	
	Asian carp	<i>Hypophthalmichthys spp.</i>	Food fish	
Invertebrates	New Zealand Mud Snail	<i>Potamopyrgus antipodarum</i>	Recreation	Ontario, Montana
	Spiny water flea	<i>Bythotrephes cederstroem</i>	Recreation	Ontario
	Mollusc spp.		Aquarium/Ornamental	