

**Current Prevention and Management Approaches for Aquatic Invasive Species in Jurisdictions
outside Alberta**

Appendix B. Regulated Species Lists of Reviewed Jurisdictions



Current Prevention and Management Approaches for Aquatic Invasive Species in Jurisdictions outside Alberta

Ontario

B. 1. Species of Fish Regulated under the Ontario Fishery Regulations (possession of these species live is prohibited without a license and use as bait is prohibited)

Common Name	Scientific Name
Ruffe	<i>Gymnocephalus cernuus</i>
Grass carp	<i>Ctenopharyngodon idella</i>
Bighead carp	<i>Hypophthalmichthys nobilis</i>
Silver carp	<i>Hypophthalmichthys molitrix</i>
Black carp	<i>Mylopharyngodon piceus</i>
Snakehead family	Channidae spp.
Rudd	<i>Scardinius erythrophthalmus</i>
Round goby	<i>Neogobius melanostomus</i>
Tube-nose goby	<i>Proterorhinus marmoratus</i>

B. 2. Species of Fish Regulated under Ontario's *Fish and Wildlife Conservation Act* (buying or selling of these species live is prohibited without a license).

Common name	Scientific name
Grass carp	<i>Ctenopharyngodon idella</i>
Bighead carp	<i>Hypophthalmichthys nobilis</i>
Silver carp	<i>H. molitrix</i>
Black carp	<i>Mylopharyngodon piceus</i>
Snakehead family	Channidae spp.
Round goby	<i>Neogobius melanostomus</i>
Tube-nose goby	<i>Proterorhinus marmoratus</i>



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Idaho

B. 3. Aquatic Invasive Species Regulated under Idaho Statute Title 22 Chapter 19 *Idaho Invasive Species Act* and Idaho Administrative Code 02.06.09 Rules Governing Invasive Species (importing, exporting, possessing, purchasing, selling, bartering, distributing, propagating, transporting or introducing these species into or within Idaho prohibited except under permit or under exemptions from permit requirements).

Common name	Scientific name
Aquatic invertebrates	
Zebra mussel	<i>Dreissena polymorpha</i>
Quagga mussel	<i>D. bugensis</i>
New Zealand mud snail*	<i>Potamopyrgus antipodarum</i>
Red claw crayfish	<i>Cherax quadricarinatus</i>
Yabby crayfish	<i>C. albidus/C. destructor</i>
Marone crayfish	<i>C. tenuimanus</i>
Marbled crayfish	<i>Procambarus marmoratus</i>
Rusty crayfish	<i>Orconectes rusticus</i>
Asian clam*	<i>Corbicula fluminea</i>
Spiny waterflea	<i>Bythotrephes cederstroemi</i>
Fishhook waterflea	<i>Cercopagis pengoi</i>
Marmorkrebs	<i>Procambarus</i> spp.
Fish	
Green sturgeon	<i>Acipenser medirostris</i>
Walking catfish	Clariidae spp.
Bowfin	<i>Amia calva</i>
Gar	Lepiostidae spp.
Piranhas	<i>Serrasalmus</i> spp., <i>Rosseveltiella</i> spp., <i>Pygocentrus</i> spp.
Rudd	<i>Scardinius erythrophthalmus</i>
Ide	<i>Leuciscus idus</i>
Diploid grass carp	<i>Ctenopharyngodon idella</i>
Bighead carp	<i>Hypophthalmichthys nobilis</i>
Silver carp	<i>H. molitrix</i>
Black carp	<i>Mylopharyngodon piceus</i>
Snakeheads	<i>Channa</i> spp., <i>Parachanna</i> spp.
Round goby	<i>Neogobius melanostomus</i>
Ruffe	<i>Gymnocephalus cernuus</i>
Amphibians	
Rough-skinned newt	<i>Taricha granulose</i>
Bullfrog*	<i>Lithobates catesbeianus</i>



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*Species that are exempt from permitting requirements because they were present in parts of the State prior to the adoption of the Rules. Transport of exempt species outside of known established distribution area, however, requires a transport permit.

B. 4. EDRR AIS under Idaho Administrative Rules 02.06.09 Governing Invasive Species (immediately reportable to State; transport of equipment or conveyance containing these species is prohibited without prior decontamination; no equipment or conveyance contaminated with these species can be placed into any waterbody or water supply system; precautions should be taken to prevent the introduction and spread of these species via fire-fighting equipment; construction and road-building and maintenance equipment must be free of these species).

Common name	Scientific name
Quagga mussel	<i>Dreissena bugensis</i>
Zebra mussel	<i>D. polymorpha</i>



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Minnesota

B. 5. Aquatic Invasive Species Regulated under Minnesota Statute Chapter 84d Invasive Species and Minnesota Administrative Rules Chapter 6216 Invasive Species (prohibited invasive species may not be possessed, imported, purchased, sold, propagated, transported or introduced without a permit; regulated invasive species may not be introduced without a permit; unlisted nonnative species may not be introduced unless the Commissioner of DNR is notified and has made a classification determination and listed the species as appropriate, and the introduction is allowed under the Statute).

Common name	Scientific name
Prohibited invasive species	
Aquatic plants (including wetland species)	
African oxygen weed	<i>Lagarosiphon major</i>
Arrowhead	<i>Sagittaria sagittifolia</i>
Asian ambulia	<i>Limnophila sessiliflora</i>
Brittle naiad	<i>Najas minor</i>
Curly-leaf pondweed	<i>Potamogeton crispus</i>
Duck-lettuce	<i>Ottelia alismoides</i>
Eared watermoss	<i>Salvinia auriculata</i>
Eurasian water-milfoil	<i>Myriophyllum spicatum</i>
European frog-bit	<i>Hydrocharis morsus-ranae</i>
Exotic bur-reed	<i>Sparganium erectum</i>
Flowering rush	<i>Butomus umbellatus</i>
Hydrilla	<i>Hydrilla verticillata</i>
Indian swampweed	<i>Hygrophila polysperma</i>
Killer algae	<i>Caulerpa taxifolia</i> , Mediterranean strain
Leaf pondweed	<i>Monochoria hastata</i>
Melaleuca tree or paperbark tea tree	<i>Melaleuca quinquenervia</i>
Miramar weed	<i>Hygrophila polysperma</i>
Mosquito fern, water velvet	<i>Azolla pinnata</i>
Oval-leafed pondweed	<i>M. vaginalis</i>
Purple loosestrife	<i>Lythrum salicaria</i> , <i>L. virgatum</i> , or any variety, hybrid or cultivar thereof)
Salvinia (includes giant salivina, eared watermoss)	<i>Salvinia auriculata</i> , <i>S. biloba</i> , <i>S. herzogii</i> , <i>S. molesta</i>
Water aloe or water soldiers	<i>Stratiotes aloides</i>
Water chestnut	<i>Trapa natans</i>
Water hyacinth	<i>Eichhornia crassipes</i> , <i>E. azurea</i>
Wetland nightshade	<i>Solanum tampicense</i>
Fish	
Amur sleeper	<i>Perccottus glenii</i>
Bighead carp	<i>Hypophthalmichthys nobilis</i>



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Common name	Scientific name
Black carp	<i>Mylopharyngodon piceus</i>
Crucian carp	<i>Carassius carassius</i>
Eurasian minnow	<i>Phoxinus phoxinus</i>
European perch	<i>Perca fluviatilis</i>
Grass carp	<i>Ctenopharyngodon idella</i>
Largescale silver carp	<i>H. harmandi</i>
Northern snakehead fish	<i>Channa argus</i>
Oriental weatherfish	<i>Misgurnus anguillicaudatus</i>
Prussian carp	<i>C. gibelio</i>
Roach	<i>Rutilus rutilus</i>
Round goby	<i>Neogobius melanostomus</i>
Rudd	<i>Scardinius erythrophthalmus</i>
Ruffe	<i>Gymnocephalus cernuus</i>
Sea lamprey	<i>Petromyzon marinus</i>
Silver carp	<i>H. molitrix</i>
Stone moroko	<i>Pseudorasbora parva</i>
Tubenose goby	<i>Proterorhinus marmoratus</i>
Wels catfish	<i>Siluris glanis</i>
Western mosquitofish	<i>Gambusia affinis</i>
White perch	<i>Morone americana</i>
Yabby	<i>Cherax destructor</i>
Zander	<i>Stizostedion lucioperca</i>
Aquatic invertebrates	
Faucet snail	<i>Bithynia tentaculata</i>
New Zealand mud snail	<i>Potamopyrgus antipodarum</i>
Quagga mussel	<i>Dreissena bugensis</i>
Red swamp crayfish	<i>Procambarus clarkii</i>
Zebra mussel	<i>D. spp.</i>
Regulated invasive species	
Aquatic plants	
Brazilian waterweed	<i>Egeria densa</i>
Carolina fanwort or fanwort	<i>Cabomba caroliniana</i>
Chines water spinach	<i>Ipomoea aquatic</i>
Parrot's feather	<i>Myriophyllum aquaticum</i>
Nonnative waterlilies	<i>Nymphaea</i> spp., or any variety , hybrid or cultivar thereof
Yellow iris or yellow flag	<i>Iris pseudacorus</i>
Fish	
Alewife	<i>Alosa pseudoharengus</i>
Common carp, koi	<i>Cyprinus carpio</i>



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Common name	Scientific name
Goldfish	<i>C. auratus</i>
Rainbow smelt	<i>Osmerus mordax</i>
Tilapia	<i>Tilapia, Oneochromis, Sartheradon</i> spp.
Aquatic invertebrates	
Banded mystery snail	<i>Viviparus georgianus</i>
Chinese mystery snail	<i>Cipangopaludina</i> spp.
Rusty crayfish	<i>Orconectes rusticus</i>
Spiny waterflea	<i>Bythotrephes longimanus</i>
Birds	
Mute swan	<i>Cygnus olor</i>
Unregulated nonnative species	
Fish	
Atlantic salmon	<i>Salmo salar</i>
Brown trout	<i>S. trutta</i>
Coho salmon	<i>Oncorhynchus kisutch</i>
Chinook salmon	<i>O. tshawytscha</i>
Pink salmon	<i>O. gorbuscha</i>
Rainbow trout	<i>O. mykiss</i>
Subtropical, tropical and saltwater fish, except anadromous species	
Aquatic invertebrates	
Subtropical, tropical and saltwater invertebrates	



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Oregon

B. 6. Aquatic Invasive Species Regulated as Prohibited Species under Oregon Administrative Rules Division 56 (may not be imported, possessed, sold, purchased, exchanged or transported in the state without a permit).

Common name	Scientific name
Amphibians	
Tiger salamander	<i>Ambystoma tigrinum</i> , all nonnative sub-species
Amphiumas	All species and hybrids
Giant salamanders and hellbenders	Cryptobranchidae, all species and hybrids
American giant salamanders	Dicamptodontidae, all nonnative species and hybrids
Asian salamanders	<i>Ranodon</i> spp., all species and hybrids
Shovel-nosed salamander	<i>Leurognathus marmoratus</i>
Waterdogs	<i>Necturus</i> spp., all species and hybrids
Firebelly newts	<i>Cynops</i> spp., all species and hybrids
European mountain or brook salamanders	<i>Euproctus</i> spp., all species and hybrids
Caucasus or spine-tailed salamanders	<i>Mertensiella</i> spp., all species and hybrids
Red-spotted or eastern newt	<i>Notophthalmus</i> spp., <i>viridescens</i>
Chinese newts	<i>Pachytriton</i> spp., all species and hybrids
Warty newts	<i>Paramesotriton</i> spp., all species and hybrids
Ribbed newts	<i>Pleurodeles</i> spp., all species and hybrids
Fire salamanders	<i>Salamandra</i> spp., all species and hybrids
Roughskin newts	<i>Taricha rivularis</i> , <i>T. torosa</i>
Alpine newts	<i>Triturus</i> spp., all species and hybrids
Crocodile newts	<i>Tylotriton</i> spp., all species and hybrids
Siren salamanders	Sirenidae, all species and hybrids
Fire-bellied toads	<i>Bombina</i> spp., all species and hybrids
True toads	<i>Bufo</i> spp., all nonnative species and hybrids except <i>Bufo marinus</i>
Midwife toads	<i>Alytes</i> spp., all species and hybrids
Painted frogs	<i>Discoglossus</i> spp., all species and hybrids
Cricket frog	<i>Acris</i> spp., all species and hybrids
European tree frog	<i>Hyla arborea</i>
Cope's gray tree frog	<i>H. chrysoscelis</i>
Green tree frog	<i>H. cinerea</i>
Mediterranean tree frog	<i>H. meridionalis</i>
Chorus frog	<i>Pseudacris</i> spp., all nonnative species and hybrids



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Common name	Scientific name
Australian froglets	<i>Crinia</i> spp., all species and hybrids
Australian swamp frogs	<i>Limnodynastes</i> spp., all species and hybrids
Barred frogs	<i>Mixophyes</i> spp., all species and hybrids
Spadefoot toads	Pelobatidae, all nonnative species and hybrids
African clawed frog	<i>Xenopus</i> spp., all species and hybrids
African bull frog	<i>Pyxicephalus</i> spp., all species and hybrids
Siberian frog	<i>Rana altaica</i>
Khabarovsk frog	<i>R. amurensis</i>
Crawfish frog	<i>R. areolata</i>
Swedish swamp frog	<i>R. arvalis</i>
Asian frog	<i>R. asiatica</i>
Rio Grande leopard frog	<i>R. berlandieri</i>
Plains leopard frog	<i>R. blairi</i>
Caucasus frog	<i>R. camerani</i>
Inkiapo frog	<i>R. chensinensis</i>
Toudaohe frog	<i>R. chevronta</i>
Green frog	<i>R. clamitans</i>
Spring frog	<i>R. dalmatina</i>
Dybowski's frog	<i>R. dybowskii</i>
Stream frog	<i>R. graeca</i>
Pig frog	<i>R. grylio</i>
River frog	<i>R. heckscheri</i>
Turkish frog	<i>R. holtzi</i>
Iberian frog	<i>R. iberica</i>
Agile frog	<i>R. japonica</i>
Italian agile frog	<i>R. latastei</i>
Kokarit or taipa frog	<i>R. longicrus</i>
Brusa frog	<i>R. macrocnemis</i>
Nikko frog	<i>R. ornativentris</i>
Pickeral frog	<i>R. palustris</i>
Mink frog	<i>R. septentrionalis</i>
Wood frog	<i>R. sylvatica</i>
Tago frog	<i>R. tagoe</i>
European common frog	<i>R. temporaria</i>
Tsushima frog	<i>R. tsushimensis</i>
Carpenter frog	<i>R. virgatipes</i>
Reptiles	
Snapping turtle	Chelydridae, all species and hybrids
Chinese pond turtle	<i>Chinemys</i> spp., all species and hybrids
Pond turtle	<i>Clemmys</i> spp., all nonnative species



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Common name	Scientific name
Painted turtle	<i>Chrysemys</i> spp., all nonnative sub-species
European pond turtle	<i>Emys orbicularis</i>
Blanding's turtle	<i>Emydoidea blandingii</i>
Map turtle	<i>Graptemys</i> spp., all species and hybrids
Asian pond turtle	<i>Mauremys</i> spp., all species and hybrids
Pond slider	<i>Pseudemys</i> spp. and <i>Trachemy</i> spp., all species and hybrids
Common musk turtle	<i>Kinosternon odoratum</i>
Common mud turtle	<i>K. subrubrum</i>
North American soft shell	<i>Apalone</i> spp., all species and hybrids
African soft shell	<i>Trionyx triunguis</i>
Fish	
Bowfin	<i>Amia calva</i>
Piranha or caribe	Characidae subfamily Serrasalminae, all species and hybrids except carnivorous species of <i>Pygocentrus</i> , <i>Serrasalmus</i> or <i>Pristobrycon</i>
Walking catfish	Claridae, all species and hybrids
Oriental weatherfish	<i>Misgurnus anguillicaudatus</i>
Ide	<i>Leuciscus idus</i>
Rudd	<i>Scardinius erythrophthalmus</i>
Asian carp	<i>Hypophthalmichthys</i> spp., all species and hybrids
Black carp	<i>Mylopharyngodon piceus</i>
Gar	Lepisosteidae, all species and hybrids
Snakehead	<i>Channa</i> spp., all species and hybrids
Round goby	<i>Neogobius melanostomus</i>
Ruffe	<i>Gymnocephalus cernuus</i>
Zander or pike-perch	<i>Sander lucioperca</i>
Pikes, pickerel, muskellunge	Escocidae, all species and hybrids except tiger muskellunge (<i>Esox Lucius X E. masquinongy</i>) in Phillips Reservoir
Aquatic invertebrates	
Asian clam	Corbiculidae, all species
Zebra mussel, quagga mussel	Dreissenidae, all species (whether live or dead)
Japanese oyster drill	<i>Ceratostoma inornatum</i>
Chinese mystery snail	<i>Cipangopaludina chinensis</i>
Japanese mystery snail	<i>C. japonica</i>
Chinese mitten crab	<i>Eriocheir</i> spp., all species
Blue crab	<i>Callinectes sapidus</i>

B. 7. Aquatic Invasive Species Regulated as Controlled Species under Oregon Administrative Rules Division 56 (specific controls established for each species, subspecies or hybrid when classified).



**Current Prevention and Management Approaches for Aquatic Invasive Species in Jurisdictions
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Common name	Scientific name	Controls
Birds		
Mute swan	<i>Cygnus olor</i>	No import; possession, transport, sale, purchase, exchange allowed subject to certain restrictions
Amphibians		
Bullfrog	<i>Rana catesbeiana</i>	No import, purchase, sale, barter or exchange of live bullfrogs; no release without a permit
Reptiles		
Crocodiles, alligators, gavials	Crocodylia	Possession, breeding, sale, release and transport regulated
Fish		
Grass carp	<i>Ctenopharyngodon idella</i>	May only be released with a permit; may be purchased and imported from approved suppliers if sterile triploids; no propagation or holding for distribution in Oregon
Mozambique tilapia, Nile tilapia, Wami tilapia, blackchin tilapia and hybrids thereof	<i>Oreochromis mossambicus</i> , <i>O. niloticus</i> , <i>O. urolepis</i> , <i>Sarotherodon melanotheron</i>	Possession, propagation, transportation, sale, purchase, exchange and disposition subject to certain restrictions
Barramundi	<i>Lates calcarifer</i>	Possession, propagation, transportation, sale, purchase, exchange and disposition subject to certain restrictions
Aquatic invertebrates		
Suminoe oysters	<i>Crassostrea ariakensis</i>	May be purchased and imported from outside Oregon (or from other estuaries within the state) for release into estuaries in Oregon with a permit
Pacific oysters	<i>C. gigas</i>	
Kumamoto oysters	<i>C. sikamea</i>	
Eastern oysters	<i>C. virginica</i>	
European flat oysters	<i>Ostrea edulis</i>	
Softshell clam	<i>Mya arenaria</i>	May be harvested, possessed and sold commercially or harvested and possessed recreationally subject to certain restrictions
Japanese varnish clam	<i>Nuttalia obscuratai</i>	
Japanese littleneck clam	<i>Venerupis philippinarum</i>	
Green crabs	<i>Carcinus maenas</i>	May be harvested recreationally subject to certain conditions; may not be returned to state waters or taken for commercial purposes
Whiteleg shrimp	<i>Litopenaeus vannamei</i>	Possession, propagation, transportation, sale, purchase, exchange and disposition subject to certain restrictions
Crayfish	Cambaridae and Parastacidae, all species	Importation, possession, propagation, transportation, sale, purchase, exchange and disposition subject to certain restrictions



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Texas

B. 8. Aquatic Invasive Species Regulated under Texas' Administrative Code Title 31 Part 2 Chapter 57 Subchapter A (possessing, selling, importing, exporting, transporting or propagating prohibited without a permit, and then only for zoological, research, aquaculture [e.g., tilapia] or aquatic weed control [e.g., grass carp] purposes).

Common name	Scientific name
Fish	
Lampreys	Petromyzontidae, all species except <i>Ichthyomyzon castaneus</i> and <i>I. gagei</i>
Freshwater stingrays	Potamotrygonidae, all species
Arapaima	<i>Arapaima gigas</i>
South American pike characoids	<i>Acestrorhyncus</i> spp., all species
African tiger fishes	<i>Hydrocynus</i> spp., all species
Piranhas	<i>Catoprion</i> spp., <i>Pristobrycon</i> spp., <i>Pygocentrus</i> spp., <i>Pygopristis</i> spp. and <i>Serrasalmus</i> spp., all species
Payara and vampire tetras	<i>Hydrolycus</i> spp., <i>Rhaphiodon</i> spp. and <i>Cynodon</i> spp/
Dourados	<i>Salminus</i> spp., all species
South American tiger fishes	Erythrinidae, all species
South American pike characids	<i>Ctenolucius</i> spp., <i>Boulengerella</i> spp., all species
African pike and lute fishes	Hepsetidae and Citharinidae, all species
Electric eels	<i>Electrophorus electricus</i>
Asps	<i>Aspius</i> spp., <i>Pseudoaspius</i> spp., <i>Aspillucius</i> spp., all species and hybrids
Old world breams	<i>Abramis</i> spp., <i>Blicca</i> spp., <i>Megalobrama</i> spp., <i>Parabramis</i> spp., all species and hybrids
Bighead and silver carp	<i>Hypophthalmichthys</i> spp., all species and hybrids
Black carp	<i>Mylopharyngodon</i> spp., all species and hybrids
Grass carp	<i>Ctenopharyngodon</i> spp., all species and hybrids
Mud and white carp	<i>Cirrhinus</i> spp., all species and hybrids
Sandkhol carp	<i>Thynnichthys</i> spp., all species and hybrids
Catla	<i>Gibelion</i> spp., all species and hybrids
European daces	<i>Leuciscus</i> spp., all species and hybrids
Barbs and mahseers	<i>Tor</i> spp. and <i>Neolissochilus hexiglonolepsis</i> , all species and hybrids
Roaches	<i>Rutilus</i> spp., all species and hybrids
Rudds	<i>Scardinius</i> spp., all species and hybrids
Yellowcheek	<i>Elopichthys</i> spp., all species and hybrids
Giant barb	<i>Catlocarpio</i> spp., all species and hybrids
Labeos	<i>Labeo</i> spp., all species and hybrids except <i>L. chrysophekadion</i>
Walking catfishes	Claridae, all species
Electric catfishes	Malapteruridae, all species



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Common name	Scientific name
South American parasitic candiru catfishes	Trichomycteridae, all species
Pike killifish	<i>Belonesox belizanus</i>
Marine stonefishes	Synanceiidae, all species
Tilapia	<i>Tilapia</i> spp., <i>Oreochromis</i> spp., and <i>Sarotherodon</i> spp., all species
Asian pikeheads	<i>Luciocephalus</i> spp., all species
Snakeheads	Channidae, all species
Old world pike-perches	<i>Sander</i> spp., all species except <i>S. canadensis</i> and <i>S. vitreus</i> and hybrids between these two species
Nile perch	<i>Lates</i> spp., all species
Seatrouts and corvinas	<i>Cynoscion</i> spp., all species except <i>C. nebulosus</i> , <i>C. nothus</i> , and <i>C. arenarius</i>
Whale catfishes	Cetopsidae, all species
Air sac catfishes	Heteropneustidae, all species
Swamp eels, rice eels, or one-gilled eels	Synbranchidae, all species
Round gobies	<i>Neogobius</i> spp., all species
Temperate basses	Moronidae, all species except <i>Morone saxatilis</i> , <i>M. chrysops</i> , <i>M. mississippiensis</i> , and hybrids of these three species
Temperate perches	Percichthyidae, all species
Aquatic invertebrates	
Crayfishes	Parastacidae, all species
Mitten crabs	<i>Eriocheir</i> spp., all species
Applesnails and giant ram's-horn snails	<i>Marisa</i> spp. and <i>Pomacea</i> spp., all species except <i>Pomacea bridgesii</i>
Zebra mussels	<i>Dreissena</i> spp., all species
Penaeid shrimp	<i>Penaeus</i> spp., <i>Litopenaeus</i> spp., <i>Farfantepenaeus</i> spp., <i>Marsupenaeus</i> spp., and <i>Melicertus</i> spp., all species except <i>L. setiferus</i> , <i>F. aztecus</i> and <i>F. duorarum</i>
Oysters	Ostreidae, all species except <i>Crassostrea virginica</i> and <i>Ostrea equestris</i>
Aquatic plants	
Dotted duckweed	<i>Landoltia punctata</i>
Salvinia	<i>Salvinia</i> spp., all species
Water hyacinths (floating waterhyacinth and rooted waterhyacinth)	<i>Eichhornia crassipes</i> and <i>E. azurea</i>
Waterlettuce	<i>Pistia stratiotes</i>
Hydrilla	<i>Hydrilla verticillata</i>
African elodea	<i>Lagarosiphon major</i>
Eurasian water-milfoil	<i>Myriophyllum spicatum</i>



**Current Prevention and Management Approaches for Aquatic Invasive Species in Jurisdictions
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Common name	Scientific name
Alligatorweed	<i>Alternanthera philoxeroides</i>
Paperbark	<i>Melaleuca quinquenervia</i>
Torpedograss	<i>Panicum repens</i>
Water spinach (ong choy, rau mong, kangkong)	<i>Ipomoea aquatic</i>
Asian marshweed (ambulia)	<i>Limnophila sessiflora</i>
Narrowleaf false pickerelweed	<i>Monochoria hastate</i>
Heartshaped false pickerelweed	<i>M. vaginalis</i>
Duck-lettuce	<i>Ottelia alismoides</i>
Wetland nightshade (aquatic soda apple)	<i>Solanum tampicense</i>
Exotic bur-reed	<i>Sparganium erectum</i>
Brazilian peppertree	<i>Schinus terebinthifolius</i>
Purple loosestrife	<i>Lythrum salicaria</i>



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B. 9. Aquatic Invasive Species Regulated under Utah Code Title 23 Chapter 27 AIS Interdiction Act and Utah Administrative Code R58-17-13 (no possessing, importing, exporting, shipping, transporting, releasing, placing, or planting of these species; conveyance or equipment that have been in infested waters in the past 30 days may not be transported without decontamination).

Common name	Scientific name
Dreissena mussels	<i>Dreissena</i> spp.

B. 10. Aquatic Invasive Species Regulated under Utah Administrative Code R657-3 Classification and Specific Rules for Crustaceans and Mollusks, Classification and Specific Rules for Fish and Classification and Specific Rules for Mammals (prohibited and controlled as detailed in table).

Common name	Scientific name	Prohibitions and controls
Aquatic invertebrates		
Asiatic (mitten) crab	<i>Eriocheir</i> spp., all species	Collection, importation, possession prohibited
Brine shrimp	Mysidae, all species	Collection controlled
Crayfish	Astacidae, Cambaridae, and Parastacidae, all species except <i>Cherax quadricarinatus</i>	Collection, importation and possession prohibited
Daphnia	<i>Daphnia lumholtzi</i>	
Fishhook waterflea	<i>Cercopagis pengoi</i>	
Spiny waterflea	<i>Bythotrephes cederstroemii</i>	
Dark false mussel	<i>Mytilopsis leucophaeta</i>	
New Zealand mud snail	<i>Potamopyrgus antipodarum</i>	
Quagga mussel	<i>Dreissena bugenses</i>	
Red-rimmed melania	<i>Melanoides tuberculatus</i>	
Zebra mussel	<i>D. polymorpha</i>	
All nonnative species and subspecies of crustaceans and mollusks not listed above, excluding ornamental aquatic animal species		
Fish		
Koi	<i>Cyprinus carpio</i>	Collection prohibited
All species and subspecies of ornamental aquatic animal species not listed below		Collection prohibited



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All nonnative species and subspecies of fish that are not ornamental aquatic animal species and are not listed below		Collection prohibited; importation and possession controlled
Carp	Cyprinidae, all species except koi	Collection, importation and possession prohibited
Catfish (blue, flathead, giant walking catfish, labyrinth, parasitic)	<i>Ictalurus furcatus</i> , <i>Pylodictus olivaris</i> , Heteropneustidae (all species), Clariidae (all species), Trichomycteridae (all species)	
Herring (alewife and gizzard shad)	<i>Alosa pseudoharengus</i> , <i>Dorosoma cepedianum</i>	
Killifish	Fundulidae, all species	
Pike killifish	<i>Belonesox belizanus</i>	
Minnows (creek chub, emerald shiner, sand shiner)	<i>Semotilus atromaculatus</i> , <i>Notropis atherinoides</i> , <i>N. stramineus</i>	
Burbot	<i>Lota lota</i>	
White sucker	<i>Catostomus commersoni</i>	
White perch	<i>Morone americana</i>	
Bowfin	Amiidae, all species	
Bull shark	<i>Carcharhinus leucas</i>	
Drum	Sciaenidae, all freshwater species	
Gar	Lepisosteidae, all species	
Jaguar guapote	<i>Cichlasoma managuense</i>	
Lamprey	Petromyzontidae, all species	
Mexican tetra	<i>Astyanax mexicanus</i> , except blind form	
Nile perch	<i>Lates</i> spp., <i>Luciolates</i> spp., all species	
Northern pike	<i>Esox lucius</i>	
Piranha	<i>Serrasalmus</i> spp., all species	
Round goby	<i>Neogobius melanostomus</i>	
Ruffe	<i>Gymnocephalus cernuus</i>	
Snakehead	Channidae, all species	
Stickleback	Gasterosteidae, all species	
Stingray	Dasyatidae, all freshwater species	
Swamp eel	Synbranchidae, all species	
Tiger fish or guavinus	<i>Hoplias malabaricus</i>	
Tilapia	<i>Tilapia</i> spp., <i>Sarotherodon</i> spp., all species	
Mammals		
Nutria or coypu	<i>Myocastor coypus</i>	Importation prohibited, possession controlled

