

| Name | Latin Name | Origin | When Arrived in Great Lakes | How Arrived in Great Lakes | |
|--------------------------------|--|--|---|--|--|
| alewife | <i>Alosa pseudoharengus</i> | Atlantic coast | Before 1931 | Canals and the St. Lawrence River | |
| bighead and silver carp | <i>Hypophthalmichthys nobilis</i> and <i>Hypophthalmichthys molitrix</i> | Originally from China, now in Mississippi River | Not yet arrived; currently in upper Illinois River less than 55 miles from Lake Michigan; a permanent electric fish barrier is being constructed to prevent their advance towards Lake Michigan | Escaped into the Mississippi River from aquaculture facilities in the early 1990s when the facilities were flooded | |
| Eurasian ruffe* | <i>Gymnocephalus cernuus</i> | Northern Europe- Black and Caspian Seas | 1980s | Arrived in ballast water from a ship | |
| Eurasian water milfoil | <i>Myriophyllum spicatum</i> | Europe, Asia and North Africa | 1940s | Introduced as an aquarium plant | |
| Hydrilla | <i>Hydrilla verticillata</i> | Africa | 1960 | Aquarium trade | |
| purple loosestrife* | <i>Lythrum salicaria</i> | Northern Europe | Early 1900s | Intentionally imported for its beautiful flowers | |
| quagga mussel | <i>Dreissena bugensis</i> | Eurasia | 1989 | Arrived in ballast water from a ship | |
| round goby | <i>Neogobius melanostomus</i> | Black Sea | 1986-1988 | Arrived in a ship's ballast water brought into St. Clair River or Lake St. Clair | |
| rusty crayfish | <i>Orconectes rusticus</i> | Ohio River Basin | 1960s | Used as bait by fishermen and released by science classes who had them as pets | |
| sea lamprey | <i>Petromyzon marinus</i> | Atlantic Ocean, St. Lawrence and Hudson Rivers and possibly Lake Ontario | Arrived in 1830s, established by 1938 | Through the Welland Canal | |
| spiny water flea | <i>Bythotrephes cederstroemi</i> | Northern Europe | Lake Huron 1984, in all Great Lakes by 1987 | Arrived in ballast water from a ship | |
| white perch* | <i>Morone americana</i> | Atlantic coast | 1930s-1950s | Canals | |
| zebra mussel | <i>Dreissena polymorpha</i> | Caspian Sea region of Poland, Bulgaria and Russia | About 1985 | Arrived in ballast water from a ship | |

* = not a Creature Card

| | Habitat | Food Source | Impact on Food Web | Other Impact | Notes |
|--|---|---|--|--|--|
| | Lakes and oceans | Phytoplankton, zooplankton, and small crustaceans | Competes for food | Large numbers die off, can clog water intake pipes and contaminate beaches | Thrived when sea lamprey ate the fish that prey upon it |
| | Surface layers of open water | Plankton | Would likely compete for food with native fish; are large and consume large quantities of food | Have the potential of destroying the \$1 billion commercial and recreational fishing industry on the Great Lakes | Silver carp species are bothered by boat motor noises and leap several feet out of the water, injuring boaters |
| | Fresh and brackish waters, usually near river mouths | Highly variable diet including mollusks, insect larvae, small fish, and crustaceans | Aggressive competitor for food | Reproduces quickly; its not eaten because of spiny fins; has a variable diet | Tolerates varying water conditions |
| | Full sunlight; lives in water to depths of 1-3m/ 3-9ft | Sunlight | Forms thick mats that choke out native vegetation | Disrupts water recreation | Thrives in warm water and spreads quickly |
| | Any partially submerged body of water with a salinity level of less than 7% | Oxygen and sunlight | Forms tall and thick stalks and shade or choke out all native vegetation | Disrupts water recreation and grows until the surface | Reproduces at an incredibly fast rate |
| | Moist to wet ground in prairies and streambanks | Sunlight | Destroys habitat for other wetland plants | Its roots choke waterways | |
| | Freshwater lakes up to 33m/98ft | Plankton | Competes for food | See "zebra mussel" | Reproduces quickly; lives at greater depth than zebra mussels |
| | Lake bottom; found in all Great Lakes and some nearby lakes | Small fish, zebra mussels, fish eggs | Compete with native sculpin for resources; reduces top predators by consuming their eggs | | Reproduces quickly; is more likely to find prey than to become prey |
| | Lakes, ponds, and streams in areas where there is debris on the bottom | Aquatic plants and insects, fish eggs, small fish | Displaces native crayfish; reduce the number and types of aquatic vegetation in invertebrates. | | |
| | Freshwater lakes and oceans | Lake trout | Upsets the ecosystem balance by removing top predators | Destroys fish by sucking blood and tissues | Had great impact on the commercial fishing industry of the 1950s |
| | Throughout Great Lakes and some inland lakes | Plankton | Competes with small fish for food, but its spiny tail prevents it from being eaten | | |
| | Marine; spawn in coastal streams; now found in freshwater lakes | Eggs of walleye and white bass | Competes with yellow perch and other fish in shallow water; consumes eggs of other fish | Reduced number of walleye impacted fishing industry | |
| | Freshwater; native to the Caspian and Black Seas; now in all Great Lakes and some inland lakes; depths of 2-7m/ 6-23 ft | Plankton | Competes for food by filtering large amounts of plankton, which has reduced this population | Accumulates on objects, such as boat hulls, and clogs water pipes | Increases water clarity through filter feeding, which increases algae growth and decreases abundance of plankton |