

**APPENDIX A. LIST OF NONINDIGENOUS SPECIES
THAT HAVE BEEN REPORTED AS OCCURRING IN THE GREAT LAKES**

| Year of Invasion | Species | Common Name | Type | Endemic Region | Location of First Sighting | Vector |
|------------------|-------------------------------------|----------------------------|---------|----------------|----------------------------|-------------------------|
| 1840 | <i>Rumex obtusifolius</i> | bitter dock | Plant | Eurasia | Widespread | Unknown |
| 1843 | <i>Echinochloa crusgalli</i> | barnyard grass | Plant | Eurasia | Widespread | Release (deliberate) |
| 1843 | <i>Solanum dulcamara</i> | bittersweet nightshade | Plant | Eurasia | Widespread | Release (deliberate) |
| 1843 | <i>Mentha piperita</i> | peppermint | Plant | Eurasia | Widespread | Release (deliberate) |
| 1843 | <i>Conium maculatum</i> | poison hemlock | Plant | Eurasia | Widespread | Release (deliberate) |
| 1843 | <i>Poa trivialis</i> | rough-stalked meadow grass | Plant | Eurasia | Widespread | Release (deliberate) |
| 1843 | <i>Mentha spicata</i> | spearmint | Plant | Eurasia | Widespread | Release (deliberate) |
| 1843 | <i>Polygonum persicaria</i> | lady's thumb | Plant | Eurasia | Widespread | Unknown |
| 1847 | <i>Rorippa nasturtium-aquaticum</i> | water cress | Plant | Eurasia | Lake Ontario | Release (deliberate) |
| 1860 | <i>Elimia virginica</i> | snail | Mollusk | Atlantic NA | Erie Canal | Canals |
| 1862 | <i>Juncus gerardii</i> | black-grass rush | Plant | Atlantic NA | Chicago | Shipping, Solid Ballast |
| 1864 | <i>Najas marina</i> | spiny naiad | Plant | Eurasia | Lake Ontario drainage | Shipping, Solid Ballast |
| 1865 | <i>Sonchus arvensis</i> | field sow thistle | Plant | Eurasia | Central NY | Release (unintentional) |
| 1866 | <i>Carex disticha</i> | sedge | Plant | Eurasia | Lake Ontario | Shipping, Solid Ballast |
| 1867 | <i>Chenopodium glaucum</i> | oak leaved goose foot | Plant | Eurasia | Lake Ontario drainage | Railroads and Highways |
| 1869 | <i>Lythrum salicaria</i> | purple loosestrife | Plant | Eurasia | Lake Ontario | Canals |
| 1871 | <i>Bithynia tentaculata</i> | faucet snail | Mollusk | Eurasia | Lake Michigan | Shipping, Solid Ballast |
| 1873 | <i>Alosa pseudoharengus</i> | alewife | Fish | Atlantic NA | Lake Ontario | Canals |
| 1873 | <i>Oncorhynchus tshawytscha</i> | chinook salmon | Fish | Pacific NA | Widespread | Release (deliberate) |
| 1874 | <i>Epilobium hirsutum</i> | great hairy willow herb | Plant | Eurasia | Lake Ontario | Release (unintentional) |
| 1876 | <i>Oncorhynchus mykiss</i> | rainbow trout | Fish | Pacific NA | Lake Huron drainage | Release (deliberate) |
| 1878 | <i>Carassius auratus</i> | goldfish | Fish | Asia | Widespread | Release (unintentional) |
| 1879 | <i>Cyprinus carpio</i> | common carp | Fish | Ponto-Caspian | Widespread | Release (deliberate) |
| 1879 | <i>Potamogeton crispus</i> | curlyleaf pondweed | Plant | Eurasia | Lake Ontario drainage | Release (deliberate) |
| 1880 | <i>Typha angustifolia</i> | narrow leaved cattail | Plant | Eurasia | Lake Ontario | Canals |
| 1882 | <i>Lysimachia nummularia</i> | moneywort | Plant | Eurasia | Lake Ontario | Release (deliberate) |

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| 1882 | <i>Alopecurus geniculatus</i> | water foxtail | Plant | Eurasia | Lake Erie | Release (deliberate) |
| 1883 | <i>Salmo trutta</i> | brown trout | Fish | Eurasia | Lake Michigan drainage | Release (deliberate) |
| 1884 | <i>Agrostis gigantea</i> | redtop | Plant | Eurasia | Lake Superior | Release (deliberate) |
| 1884 | <i>Rorippa sylvestris</i> | creeping yellow cress | Plant | Eurasia | Lake Ontario | Shipping, Solid Ballast |
| 1886 | <i>Salix fragilis</i> | crack willow | Plant | Eurasia | Widespread | Release (deliberate) |
| 1886 | <i>Salix purpurea</i> | purple willow | Plant | Eurasia | Widespread | Release (deliberate) |
| 1886 | <i>Myosotis scorpioides</i> | true forgot-me-not | Plant | Eurasia | Lake Ontario | Release (deliberate) |
| 1886 | <i>Salix alba</i> | white willow | Plant | Eurasia | Widespread | Release (deliberate) |
| 1886 | <i>Iris pseudacorus</i> | yellow flag | Plant | Eurasia | Lake Ontario | Release (deliberate) |
| 1892 | <i>Lycopus asper</i> | western water horehound | Plant | Mississippi R. | Lake Erie | Release,(unintentional) |
| 1893 | <i>Puccinellia distans</i> | weeping alkali grass | Plant | Eurasia | Lake Ontario | Shipping, Solid Ballast |
| 1894 | <i>Stellaria aquatica</i> | giant chickweed | Plant | Eurasia | Lake St. Clair | Unknown |
| 1895 | <i>Juncus compressus</i> | flattened rush | Plant | Eurasia | Lake Ontario drainage | Release (unintentional) |
| 1895 | <i>Pisidium moitessierianum</i> | pea clam | Mollusk | Eurasia | Lake Superior | Shipping, Solid Ballast |
| 1896 | <i>Carex flacca</i> | sedge | Plant | Eurasia | Detroit River | Unknown |
| 1897 | <i>Valvata piscinalis</i> | European valve snail | Mollusk | Eurasia | Lake Ontario | Shipping, Solid Ballast |
| 1897 | <i>Pisidium amnicum</i> | pea clam | Mollusk | Eurasia | Lake Ontario | Shipping, Solid Ballast |
| 1901 | <i>Rumex longifolius</i> | yard dock | Plant | Eurasia | Lake Superior | Release (deliberate) |
| 1901 | <i>Radix auricularia</i> | European ear snail | Mollusk | Eurasia | Lake Michigan | Release (unintentional) |
| 1902 | <i>Aeromonas salmonicida</i> | furunculosis | Other Invertebrate | Unknown | Unknown | Release (unintentional) |
| 1902 | <i>Sonchus arvensis</i> var. <i>glabrescens</i> | smooth field sow thistle | Plant | Eurasia | Lake Erie | Release (unintentional) |
| 1903 | <i>Lycopus europaeus</i> | European water horehound | Plant | Eurasia | Lake Ontario | Shipping, Solid Ballast |
| 1905 | <i>Butomus umbellatus</i> | flowering rush | Plant | Eurasia | Detroit River | Shipping, Solid Ballast |
| 1906 | <i>Viviparus georgianus</i> | banded mystery snail | Mollusk | Mississippi R. | Lake Michigan | Aquarium release |
| 1912 | <i>Impatiens glandulifera</i> | Indian balsam | Plant | Asia | Lake Huron | Release (deliberate) |

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| 1912 | <i>Osmerus mordax</i> | rainbow smelt | Fish | Atlantic NA | Lake Michigan drainage | Release (deliberate) |
| 1913 | <i>Alnus glutinosa</i> | black alder | Plant | Eurasia | Widespread | Release (deliberate) |
| 1913 | <i>Lysimachia vulgaris</i> | garden loosetrife | Plant | Eurasia | Lake Ontario | Release (deliberate) |
| 1913 | <i>Rhamnus frangula</i> | glossy buckthorn | Plant | Eurasia | Lower Great Lakes, Ontario | Release (deliberate) |
| 1915 | <i>Mentha gentilis</i> | creeping whorled mint | Plant | Eurasia | Lake Ontario | Release (deliberate) |
| 1915 | <i>Veronica beccabunga</i> | European brookline | Plant | Eurasia | Lake Ontario | Shipping, Solid Ballast |
| 1916 | <i>Pluchea odorata</i> var. <i>purpurescens</i> | salt-marsh fleabane | Plant | Atlantic NA | Lake Erie drainage | Release (unintentional) |
| 1916 | <i>Pisidium henslowanum</i> | henslow's pea clam | Mollusk | Eurasia | Lake Ontario | Shipping, Solid Ballast |
| 1918 | <i>Gillia altilis</i> | snail | Mollusk | Atlantic NA | Lake Ontario drainage | Canals |
| 1922 | <i>Juncas inflexus</i> | rush | Plant | Eurasia | Lake Ontario drainage | Unknown |
| 1923 | <i>Gambusia affinis</i> | western mosquitofish | Fish | Mississippi R. | Lake Michigan drainage | Release (deliberate) |
| 1924 | <i>Sphaerium corneum</i> | fingernail clam | Mollusk | Eurasia | Lake Ontario drainage | Shipping, Ballast Water |
| 1925 | <i>Marsilea quadrifolia</i> | European water clover | Plant | Eurasia | Lake Ontario drainage | Release (deliberate) |
| 1926 | <i>Enteromorpha intestinalis</i> | green alga | Benthic Alga | Atlantic NA | Lake Ontario | Release (unintentional) |
| 1927 | <i>Acentropus niveus</i> | aquatic moth | Other Invertebrate | Eurasia | St. Lawrence R., Montreal | Release (unintentional) |
| 1928 | <i>Noturus insignis</i> | margined madtom | Fish | Atlantic NA | Lake Ontario drainage | Canals |
| 1928 | <i>Lepomis microlophus</i> | redeer sunfish | Fish | Southern U.S. | Lake Michigan drainage | Release (deliberate) |
| 1929 | <i>Lepomis humilis</i> | orange spotted sunfish | Fish | Mississippi R. | Lake Erie drainage | Canals |
| 1930 | <i>Nymphoides peltata</i> | yellow floating heart | Plant | Eurasia | Lake Erie drainage | Release (unintentional) |
| 1931 | <i>Cipangopaludina chinensis malleata</i> | Oriental mystery snail | Mollusk | Asia | Niagara River | Release (aquarium) |
| 1932 | <i>Najas minor</i> | minor naiad | Plant | Eurasia | Lake Erie drainage | Release (deliberate) |
| 1933 | <i>Oncorhynchus kisutch</i> | coho salmon | Fish | Pacific | Lake Erie | Release (deliberate) |

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| 1933 | <i>Craspedacusta sowerbyi</i> | freshwater jellyfish | Other Invertebrate | Asia | Lake Erie drainage | Release (unintentional) |
| 1934 | <i>Lophopodella carteri</i> | bryozoan | Other Invertebrate | Asia | Lake Erie | Canals |
| 1935 | <i>Cabomba caroliniana</i> | fanwort | Plant | Southern U.S. | Lake Michigan drainage | Release (aquarium) |
| 1936 | <i>Sparganium glomeratum</i> | bur reed | Plant | Eurasia | Lake Superior | Unknown |
| 1938 | <i>Actinocyclus normanii</i> fo. <i>subsalsa</i> | diatom | Phytoplankton | Eurasia | Lake Ontario | Shipping, Ballast Water |
| 1938 | <i>Diatoma ehrenbergii</i> | diatom | Phytoplankton | Widespread | Lake Michigan | Shipping, Ballast Water |
| 1938 | <i>Stephanodiscus binderanus</i> | diatom | Phytoplankton | Eurasia | Lake Michigan | Shipping, Ballast Water |
| 1939 | <i>Misgurnus anguillicaudatus</i> | Oriental weatherfish | Fish | Asia | Lake Huron drainage | Release (unintentional) |
| 1940 | <i>Cipangopaludina japonica</i> | Oriental mystery snail | Mollusk | Asia | Lake Erie | Release (deliberate) |
| 1940 | <i>Glyceria maxima</i> | reed sweet-grass | Plant | Eurasia | Lake Ontario | Release (deliberate) |
| 1943 | <i>Tanysphyrus lemnae</i> | aquatic weevil | Other Invertebrate | Eurasia | Unknown | Unknown |
| 1946 | <i>Cyclotella pseudostelligera</i> | diatom | Phytoplankton | Widespread | Lake Michigan | Shipping, Ballast Water |
| 1946 | <i>Stephanodiscus subtilis</i> | diatom | Phytoplankton | Eurasia | Lake Michigan | Shipping, Ballast Water |
| 1950 | <i>Phenacobius mirabilis</i> | suckermouth minnow | Fish | Mississippi R. | Lake Erie drainage | Canals |
| 1950 | <i>Morone americana</i> | white perch | Fish | Atlantic NA | Lake Ontario | Canals |
| 1950 | <i>Oncorhynchus nerka</i> | kokanee | Fish | Pacific NA | Lake Ontario drainage | Release (deliberate) |
| 1950 | <i>Cirsium palustre</i> | marsh thistle | Plant | Eurasia | Lake Superior | Unknown |
| 1950 | <i>Potamothrix bedoti</i> | oligochaete | Annelid | Ponto-Caspian | Lake Ontario | Unknown |
| 1950 | <i>Pluchea odorata</i> var. <i>succulenta</i> | salt-marsh fleabane | Plant | Atlantic NA | Lake Ontario drainage | Unknown |
| 1951 | <i>Branchiura sowerbyi</i> | oligochaete | Annelid | Asia | Lake Michigan drainage | Release (unintentional) |
| 1951 | <i>Carex acutiformis</i> | swamp sedge | Plant | Eurasia | Lake Michigan drainage | Unknown |
| 1952 | <i>Myriophyllum spicatum</i> | Eurasian watermilfoil | Plant | Eurasia | Lake Erie | Release (aquarium) |
| 1952 | <i>Potamothrix moldaviensis</i> | oligochaete | Annelid | Ponto-Caspian | Lake Ontario | Unknown |

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| 1956 | <i>Cordylophora caspia</i> | hydroid | Other Invertebrate | Ponto-Caspian | Lake Erie | Release (unintentional) |
| 1956 | <i>Oncorhynchus gorbuscha</i> | pink salmon | Fish | Pacific NA | Lake Superior | Release (unintentional) |
| 1958 | <i>Eurytemora affinis</i> | calanoid copepod | Zooplankton (crustacean) | Widespread | Lake Ontario | Shipping, Ballast Water |
| 1959 | <i>Trapa natans</i> | water chestnut | Plant | Eurasia | Lake Ontario drainage | Release (aquarium) |
| 1959 | <i>Lasmigona subviridis</i> | mussel | Mollusk | Atlantic NA | Lake Ontario drainage | Canals |
| 1959 | <i>Pisidium supinum</i> | humpback pea clam | Mollusk | Europe | Lake Ontario | Shipping, Ballast Water |
| 1960 | <i>Glugea hertwigi</i> | protozoan | Other Invertebrate | Eurasia | Lake Erie | Release (unintentional) |
| 1960 | <i>Polygonum caespitosum</i> var. <i>longisetum</i> | Bristly Lady's Thumb | Plant | E. Asia | Lake Erie drainage | Unknown |
| 1962 | <i>Lepisosteus platostomus</i> | shortnose gar | Fish | Mississippi R. | Lake Michigan drainage | Canals |
| 1962 | <i>Thalassiosira weissflogii</i> | diatom | Phytoplankton | Widespread | Detroit River | Shipping, Ballast Water |
| 1963 | <i>Skeletonema potamos</i> | diatom | Phytoplankton | Widespread | Lake Erie drainage | Shipping, Ballast Water |
| 1964 | <i>Bangia atropurpurea</i> | red alga | Benthic Alga | Atlantic NA | Lake Erie | Shipping |
| 1964 | <i>Cyclotella atomus</i> | diatom | Phytoplankton | Widespread | Lake Michigan | Shipping, Ballast Water |
| 1964 | <i>Cyclotella cryptica</i> | diatom | Phytoplankton | Widespread | Lake Michigan | Shipping, Ballast Water |
| 1964 | <i>Cyclotella wolkereki</i> | diatom | Phytoplankton | Widespread | Lake Michigan | Shipping, Ballast Water |
| 1964 | <i>Chroodactylon ramosum</i> | red alga | Benthic Alga | Atlantic Ocean | Lake Erie | Shipping, Ballast Water |
| 1965 | <i>Potamothrix vej dovskyi</i> | oligochaete | Annelid | Ponto-Caspian | Lake Erie | Shipping? Ballast Water? |
| 1966 | <i>Eubosmina coregoni</i> | waterflea | Zooplankton (crustacean) | Eurasia | Lake Michigan | Shipping, Ballast Water |
| 1966 | <i>Epilobium parviflorum</i> | small flowered hairy willow herb | Plant | Eurasia | Lake Michigan drainage | Unknown |
| 1967 | <i>Skistodiaptomus pallidus</i> | calanoid copepod | Zooplankton (crustacean) | Mississippi R. | Lake Ontario | Release (unintentional) |

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| 1968 | <i>Myxobolus (Myxosoma) cerebralis</i> | salmonid whirling disease | Other Invertebrate | Unknown | Lake Erie drainage | Release (unintentional) |
| 1968 | <i>Dugesia polychroa</i> | flatworm | Other Invertebrate | Europe | Lake Ontario | Shipping, Ballast Water |
| 1969 | <i>Solidago sempervirens</i> | seaside goldenrod | Plant | Atlantic NA | Lake Michigan | Release (unintentional) |
| 1971 | <i>Enneacanthus gloriosus</i> | bluespotted sunfish | Fish | Atlantic NA | Lake Ontario drainage | Release (aquarium) |
| 1972 | <i>Cyclops strenuus</i> | copepod | Zooplankton (crustacean) | Hudson Bay | Lake Superior | Canals (water diversion) |
| 1972 | <i>Hydrocharis morsus-ranae</i> | European frogbit | Plant | Eurasia | Lake Ontario | Release (unintentional) |
| 1973 | <i>Skeletonema subsalsum</i> | diatom | Phytoplankton | Eurasia | Lake Erie | Shipping, Ballast Water |
| 1973 | <i>Thalassiosira guillardii</i> | diatom | Phytoplankton | Widespread | Lake Erie | Shipping, Ballast Water |
| 1973 | <i>Thalassiosira pseudonana</i> | diatom | Phytoplankton | Widespread | Lake Erie drainage | Shipping, Ballast Water |
| 1973 | <i>Nitocra hibernica</i> | harpacticoid copepod | Benthic Crustacean | Eurasia | Lake Ontario | Shipping, Ballast Water |
| 1975 | <i>Sphacelaria fluviatilis</i> | brown alga | Benthic Alga | Asia | Lake Michigan drainage | Release (aquarium) |
| 1975 | <i>Lotus corniculatus</i> | birdsfoot trefoil | Plant | Eurasia | Lake Superior | Release (deliberate) |
| 1975 | <i>Renibacterium (Corynebacterium) salmoninarum</i> | bacterial kidney disease | Bacteria | Unknown | Lake Superior | Release (unintentional) |
| 1975 | <i>Sphacelaria lacustris</i> | brown alga | Benthic Alga | Unknown | Lake Michigan | Shipping, Ballast Water |
| 1975 | <i>Hymenomonas roseola</i> | cocco-lithophorid alga | Phytoplankton | Eurasia | Lake Huron | Shipping, Ballast Water |
| 1978 | <i>Biddulphia laevis</i> | diatom | Phytoplankton | Widespread | Lake Michigan | Shipping, Ballast Water |
| 1978 | <i>Chaetoceros hohnii</i> | diatom | Phytoplankton | Unknown | Lake Huron | Shipping, Ballast Water |
| 1978 | <i>Thalassiosira lacustris</i> | diatom | Phytoplankton | Eurasia | Lake Erie | Shipping, Ballast Water |
| 1979 | <i>Notropis buchmanii</i> | ghost shiner | Fish | Mississippi R. | Lake St. Clair drainage | Release (bait) |
| 1979 | <i>Enteromorpha prolifera</i> | green alga | Benthic Alga | Atlantic NA | Lake St. Clair drainage | Unknown |
| 1980 | <i>Corbicula fluminea</i> | Asiatic clam | Mollusk | East Asia | Lake Erie | Release (aquarium) |

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| 1980 | <i>Ripistes parasita</i> | oligochaete | Annelid | Eurasia | Lake Huron | Shipping, Ballast Water |
| 1980 | <i>Daphnia galeata galeata</i> | waterflea | Zooplankton (crustacean) | Eurasia | Lake Erie | Shipping, Ballast Water |
| 1982 | <i>Lupinus polyphyllus</i> | lupine | Plant | Eurasia | Lake Superior | Release (unintentional) |
| 1982 | <i>Bythotrephes longimanus</i> | spiny waterflea | Zooplankton (crustacean) | Eurasia | Lake Ontario | Shipping, Ballast Water |
| 1983 | <i>Nitellopsis obtusa</i> | green alga | Phytoplankton | Eurasia | Lake St. Clair | Shipping, Ballast Water |
| 1983 | <i>Gianius (Phallodrilus) aquaedulcis</i> | oligochaete | Annelid | Europe | Niagara River | Shipping, Ballast Water |
| 1985 | <i>Salmincola lotae</i> | copepod | Zooplankton (crustacean) | Eurasia | Lake Superior | Unknown |
| 1986 | <i>Gymnocephalus cernuus</i> | Eurasian ruffe | Fish | Ponto-Caspian | Lake Superior | Shipping, Ballast Water |
| 1986 | <i>Apeltes quadracus</i> | fourspine stickleback | Fish | Atlantic NA | Lake Superior | Shipping, Ballast Water |
| 1988 | <i>Argulus japonicus</i> | parasitic copepod | Zooplankton (crustacean) | Asia | Lake Michigan | Release (aquarium) |
| 1988 | <i>Thalassiosira baltica</i> | diatom | Phytoplankton | Europe | Lake Ontario | Shipping, Ballast Water |
| 1988 | <i>Bosmina maritima</i> | waterflea | Zooplankton (crustacean) | Eurasia | Lake Erie | Shipping, Ballast Water |
| 1988 | <i>Dreissena polymorpha</i> | zebra mussel | Mollusk | Ponto-Caspian | Lake St. Clair | Shipping, Ballast Water |
| 1989 | <i>Scardinius erythrophthalmus</i> | rudd | Fish | Eurasia | Lake Ontario | Release (Bait) |
| 1989 | <i>Dreissena bugensis</i> | quagga mussel | Mollusk | Ponto-Caspian | Lake Ontario | Shipping, Ballast Water |
| 1990 | <i>Neogobius melanostomus</i> | round goby | Fish | Ponto-Caspian | St. Clair River | Shipping, Ballast Water |
| 1990 | <i>Proterorhinus marmoratus</i> | tubenose goby | Fish | Ponto-Caspian | St. Clair River | Shipping, Ballast Water |
| 1991 | <i>Potamopyrgus antipodarum</i> | New Zealand mud snail | Mollusk | Australasia | Lake Ontario | Shipping, Ballast Water |
| 1992 | <i>Acanthostomum</i> sp. | digenean fluke | Other Invertebrate | Eurasia | Lake Superior | Shipping, Ballast Water |
| 1992 | <i>Ichthyocotylurus pileatus</i> | digenean fluke | Other Invertebrate | Ponto-Caspian | Lake Superior | Shipping, Ballast Water |

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| 1992 | <i>Neascus brevicaudatus</i> | digenean fluke | Other Invertebrate | Eurasia | Lake Superior | Shipping, Ballast Water |
| 1992 | <i>Trypanosoma acerinae</i> | flagellate | Other Invertebrate | Ponto-Caspian | Lake Superior | Shipping, Ballast Water |
| 1992 | <i>Dactylogyrus amphibothrium</i> | monogenetic fluke | Other Invertebrate | Eurasia | Lake Superior | Shipping, Ballast Water |
| 1992 | <i>Dactylogyrus hemiamphibothrium</i> | monogenetic fluke | Other Invertebrate | Eurasia | Lake Superior | Shipping, Ballast Water |
| 1994 | <i>Echinogammarus ischnus</i> | amphipod | Benthic Crustacean | Ponto-Caspian | Detroit River /Lake Erie | Shipping, Ballast Water |
| 1994 | <i>Scolex pleuronectis</i> | cestode | Other Invertebrate | Ponto-Caspian | Lake St. Clair | Shipping, Ballast Water |
| 1994 | <i>Sphaeromyxa sevastopoli</i> | mixosporidian | Other Invertebrate | Ponto-Caspian | Lake St. Clair | Shipping, Ballast Water |
| 1994 | <i>Neoergasilus japonicus</i> | copepod | Zooplankton (crustacean) | Eastern Asia | St. Clair River | Unknown |
| 1994 | <i>Megacyclops viridis</i> | cyclopoid copepod | Zooplankton (crustacean) | Europe | Lake Huron | Unknown |
| 1995 | <i>Alosa aestivalis</i> | blueback herring | Fish | Atlantic NA | Lake Ontario | Canals |
| 1996 | <i>Heteropsyllus nr. nunni</i> | harpacticoid copepod | Benthic Crustacean | Atlantic NA? | Lake Michigan | Shipping, Ballast Water |
| 1997 | <i>Acineta nitocrae</i> | suctorian | Other Invertebrate | Eurasia | Lake Erie | Shipping, Ballast Water |
| 1998 | <i>Cercopagis pengoi</i> | fish-hook waterflea | Zooplankton (crustacean) | Ponto-Caspian | Lake Ontario | Shipping, Ballast Water |
| 1998 | <i>Schizopera borutzkyi</i> | harpacticoid copepod | Benthic Crustacean | Ponto-Caspian | Lake Michigan | Shipping, Ballast Water |
| 1999 | <i>Daphnia lumholtzi</i> | waterflea | Zooplankton (crustacean) | Africa, Australasia | Lake Erie | Release (unintentional) |
| 1999 | <i>Nitocra incerta</i> | harpacticoid copepod | Benthic Crustacean | Ponto-Caspian | Detroit River | Shipping, Ballast Water |
| 2000 | <i>Heterosporis</i> sp. | microsporidian | Other Invertebrate | Unknown | Lake Ontario | Unknown |
| 2001 | <i>Rhabdovirus carpio</i> | spring viraemia of carp (SVC) | Virus | Eurasia | Lake Michigan drainage | Release (aquarium) |
| 2001 | <i>Gammarus tigrinus</i> | Amphipod | Benthic Crustacean | Atlantic NA | Lake Superior (Lake Huron in 2002) | Shipping, Ballast Water |
| 2001 | <i>Psammonobiotus communis</i> | testate amoeba | Other Invertebrate | Ponto-Caspian | Lake Ontario | Shipping, Ballast Water |

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| 2002 | <i>Ranavirus</i> sp. | largemouth bass virus | Virus | Unknown | Lake Michigan drainage | Release (unintentional) |
| 2002 | <i>Psammonebotus linearis</i> | testate amoeba | Other Invertebrate | Ponto-Caspian | Lake Ontario | Shipping, Ballast Water |
| 2002 | <i>Psammonebotus dziwnowi</i> | testate amoeba | Other Invertebrate | Ponto-Caspian? | Lake Ontario | Shipping, Ballast Water |
| 2002 | <i>Cylindrospermopsis raciborskii</i> | cyanobacterium | Phytoplankton | South America? | Lake Michigan drainage | Unknown |
| 2002 | <i>Piscirickettsia cf. salmonis</i> | muskie pox | Other Invertebrate | Unknown | Lake St. Clair | Unknown |
| 2003 | <i>Enteromorpha flexuosa</i> | green alga | Benthic Alga | Widespread | Lake Michigan drainage | Shipping |
| 2005 | <i>Novirhabdovirus</i> sp. | VHS | Virus | Atlantic NA? | Lake Ontario | Shipping?, Ballast Water? |
| 2006 | <i>Hemimysis anomala</i> | bloody-red mysid | Benthic Crustacean | Ponto-Caspian | Lake Michigan drainage | Shipping, Ballast Water |

Source: <http://www.glerl.noaa.gov/res/Programs/ncrais/docs/great-lakes-list.xls> (accessed March 5, 2008).