



Great Lakes Aquatic Nonindigenous Species Information System



<http://www.glerl.noaa.gov/res/Programs/glansis/glansis.html>



Some of the 180 181 183 184 Non-Native Species Established in the Great Lakes

 Sea lamprey <i>Petromyzon marinus</i> EPA	 Rudd <i>Scardinus erythrophthalmus</i> N. Burkhead - USGS	 Shortnose gar <i>Lepisosteus platostomus</i> USFWS	 Rainbow smelt <i>Osmerus mordax</i> W. Nelson-Stasny	 Alewife <i>Alosa pseudoharengus</i> Maryland DNR	 Kokanee <i>Oncorhynchus nerka</i> NOAA NMFS	 Coho salmon <i>Oncorhynchus kisutch</i> USFWS	 White perch <i>Morone americana</i> D. Farsey	 Round goby <i>Neogobius melanostomus</i> D. Jude	 Orangespotted sunfish <i>Lepomis humilis</i> G. Sneeegas, USGS	 Oriental weatherfish <i>Magurina anguillicaudata</i> N. Burkhead - USGS	 Redear sunfish <i>Lepomis microlophus</i> Wikimedia	 Suckermouth minnow <i>Phenacobius mirabilis</i> USGS	 Rainbow/steelhead trout <i>Oncorhynchus mykiss</i> WI DNR	 Common carp <i>Cyprinus carpio</i> NOAA GLERL	 Ghost shiner <i>Notropis buchananii</i> Texas State Univ.	 Bluespotted sunfish <i>Emmeacanthus gloriosus</i> N. Burkhead - USGS	
 Western mosquitofish <i>Gambusia affinis</i> Wikimedia	 Goldfish <i>Carassius auratus</i> Windsor Aqurre	 Tubenose goby <i>Proterorhinus semilunaris</i> D. Jude	 Chinook salmon <i>Oncorhynchus tshawytscha</i> NOAA GLERL	 Ruffe <i>Gymnocephalus cernua</i> USGS	 Margined madtom <i>Noturus insignis</i> N. Burkhead - USGS	 Pink salmon <i>Oncorhynchus gorbuscha</i> NOAA GLERL	 Fourspine stickleback <i>Apeltes quadracus</i> M. Gatreau, New Brunswick	 Brown trout <i>Salmo trutta</i> NOAA	 Blueback herring <i>Alosa aestivus</i> Wikimedia	 Chain pickerel <i>Esox niger</i> R. Barabe	 Calanoid copepod <i>Skistodaptomus pallidus</i> USGS	 Cyclopoid copepod <i>Cyclops strenuus</i> USGS	 Cyclopoid copepod <i>Megacyclops virens</i> USGS	 Calanoid copepod <i>Eurytemora affinis</i> J. Cordell	 Harpacticoid copepod <i>Heterosyllus nr. numi</i> USGS	 Harpacticoid copepod <i>Nitokra hibernica</i> USGS	
 Harpacticoid copepod <i>Schizopera borutzkyi</i> USGS	 Harpacticoid copepod <i>Nitokra incerta</i>	 Parasitic copepod <i>Salmincola lotze</i> USGS	 Japanese fish louse <i>Argulus japonicus</i> USGS	 Parasitic copepod <i>Neogargulus japonicus</i> P. Hudson - USGS	 Amphipod <i>Echinogammarus ischnus</i> C. van Overdijk	 Amphipod <i>Gammarus tigrinus</i> USGS	 Bloody red shrimp <i>Hemimysis anomala</i> NOAA GLERL	 Fishhook waterflea <i>Cercopagia pengoi</i> I. Grigorovich	 Waterflea <i>Eubosmina coregoni</i> H. Havens	 Waterflea <i>Eubosmina maritima</i> USGS	 Waterflea <i>Daphnia galeata mendotae</i> EAWAG	 Waterflea <i>Daphnia lumholzi</i> K. Havens	 Spiny waterflea <i>Bythotrephes cederstroemi</i> NOAA GLERL	 Red swamp crayfish <i>Procambarus clarkii</i> Doloup - Wikimedia			
 Water chestnut <i>Trapa natans</i> L. Mehrhoff - Univ. Conn.	 European frogbit <i>Hydrocharis morsus-ranae</i> SGNIS	 Curlyleaf pondweed <i>Potamogeton crispus</i> USGS	 European water clover <i>Marsilea quadrifida</i> Wikimedia	 Moneywort <i>Lysimachia nummularia</i> R. Mohlenbrock	 Sweetscent <i>Pluchea odorata succulenta</i> M. Pieters - Wikimedia	 Marsh thistle <i>Cirsium palustre</i> K. Peters - Wikimedia	 Marsh fleabane, sweetscent <i>Pluchea odorata odorata</i> USDA	 Eurasian watermilfoil <i>Myricophyllum spicatum</i> MNDNR	 Carolina fanwort <i>Cabomba caroliniana</i> L. Mehrhoff - Univ. of Conn.	 European brooklime <i>Veronica beccabunga</i> Wikimedia	 Yellow iris <i>Iris pseudacorus</i> USGS	 Yellow floating-heart <i>Nymphoides peltata</i> G. Miller - OR Dept. of Ag.	 Water cress <i>Nasturtium officinale</i> R. Mohlenbrock	 Flattened rush <i>Juncus compressus</i> K. Peters - Wikimedia	 Rush <i>Juncus inflexus</i> P. Houten - Wikimedia	 Black-grass rush <i>Juncus gerardi</i> USDA	
 Flowering rush <i>Butomus umbellatus</i> Wikimedia	 Creeping yellow cress <i>Rorippa sylvestris</i> Wikimedia	 Western water horehound <i>Lycopus asper</i> R. Tatina	 European water horehound <i>Argulus japonicus</i> K. Peters - Wikimedia	 Lady's thumb <i>Polygonum persicaria</i> S. Dewey - Utah State Univ.	 True forget-me-not <i>Myosotis scorpioides</i> Wikimedia	 Water foxtail <i>Alopecurus geniculatus</i> Wikimedia	 Sedge <i>Carex disticha</i> K. Peters - Wikimedia	 Swamp sedge <i>Carex acutiformis</i> Wikimedia	 Brittle naiad <i>Najas minor</i> Wikimedia	 Spiny naiad <i>Najas marina</i> K. Peters - Wikimedia	 Poison hemlock <i>Corium maculatum</i> W. & W. Follette	 Great hairy willow herb <i>Epilobium hirsutum</i> P. Utrecht - Wikimedia	 Water mint <i>Mentha aquatica</i> Wikimedia	 Lupine <i>Lupinus polyphyllus</i> Wikimedia	 Purple loosestrife <i>Lythrum salicaria</i> MNDNR	 Yellow loosestrife <i>Lysimachia vulgaris</i> Wikimedia	
 Bur reed <i>Sparganium glomeratum</i> USFS	 Narrow leaved cattail <i>Typha angustifolia</i> M. Tu - TNC	 Bittersweet nightshade <i>Solanum dulcamara</i> Wikimedia	 Spearmint <i>Mentha spicata</i> Wikimedia	 Creeping whorled mint <i>Mentha gracilis</i> Wikimedia	 Seaside goldenrod <i>Solidago sempervirens</i> Wikimedia	 Oak-leaved goosefoot <i>Chenopodium glaucum</i> Wikimedia	 Rough-stalked meadow grass <i>Poa trivialis</i> Wikimedia	 Redtop <i>Agrostis gigantea</i> Wikimedia	 Indian balsam <i>Impatiens glandulifera</i> Wikimedia	 Giant chickweed <i>Myosoton aquaticum</i> Kenzaiz - Wikimedia	 Weeping alkali grass <i>Puccinellia distans</i> Wikimedia	 Reed manna grass <i>Glyceria maxima</i> Wikimedia	 Barnyard grass <i>Echinochloa crusgalli</i> R. Mohlenbrock	 Yard dock <i>Rumex longifolius</i> Wikimedia	 Bitter dock <i>Rumex obtusifolius</i> Wikimedia	 Crack willow <i>Salix fragilis</i> Z. Borzan - Univ. of Zagreb	
 Purple willow <i>Salix purpurea</i> Wikimedia	 White willow <i>Salix alba</i> Wikimedia	 Black alder <i>Alnus glutinosa</i> Wikimedia	 Glossy buckthorn <i>Frangula alnus</i> USGS	 Common reed <i>Phragmites australis (introduced lineage)</i> J. Swearingen - NPS	 Red alga <i>Bangia atropurpurea</i> R. Lowe	 Red alga <i>Chroodactylon ramosum</i> R. Lowe	 Alga <i>Hymenomonas roseola</i> E. Stoermer	 Brown alga <i>Sphacelaria fluvialis</i>	 Brown alga <i>Sphacelaria lacustris</i>	 Grass kelp <i>Ulva intestinalis</i>	 Grass kelp <i>Ulva prolifera</i>	 Starry stonewort <i>Nitellopsis obtusa</i> USGS	 Green alga <i>Ulva flexuosa</i> E. Stoermer	 Blue-green alga <i>Cylindrocapsa raciborskii</i> R. Lowe	 Diatom <i>Cyclotella atomus</i> R. Lowe	 Diatom <i>Cyclotella pseudostelligera</i> R. Lowe	
 Diatom <i>Cyclotella cryptica</i> E. Stoermer	 Diatom <i>Stephanodiscus binderanus</i> R. Lowe	 Diatom <i>Actinocyclus normani subsalsa</i> E. Stoermer	 Diatom <i>Skeletonema potamos</i> E. Stoermer	 Diatom <i>Skeletonema subsalsum</i> E. Stoermer	 Diatom <i>Stephanodiscus subtilis</i> E. Stoermer	 Diatom <i>Diocostella wolterecki</i> E. Stoermer	 Diatom <i>Diatoma ehrenbergi</i> E. Stoermer	 Diatom <i>Thalassiosira guillardii</i> M. Kuylenstierna & B. Karlson	 Diatom <i>Thalassiosira baltica</i> E. Stoermer	 Diatom <i>Thalassiosira weissflogii</i> E. Stoermer	 Diatom <i>Pleurosigma laevis</i> R. Lowe	 Diatom <i>Thalassiosira pseudonana</i> R. Lowe	 Diatom <i>Chaetoceros muelleri</i> reed-mariculture.com				
 Freshwater hydroid <i>Cordylophora caspia</i> M. Faasse	 Freshwater jellyfish <i>Craspedacusta sowerbyi</i> USGS	 Bryozoan <i>Lophodella carteri</i> A. Ricciardi	 Aquatic weevil <i>Tanytarsus lemnae</i> Wikimedia	 European water moth <i>Acentria ephemerella</i> R. Johnson - Cornell Univ.	 Oligochaete <i>Branchiura sowerbyi</i> H.L.S. Nascimento	 Oligochaete <i>Ripistes parasita</i>	 Oligochaete <i>Gianius aquaedulcis</i>	 Oligochaete <i>Potamothrix moldaviensis</i>	 Oligochaete <i>Potamothrix bedoti</i>	 Oligochaete <i>Potamothrix vejvodskiyi</i>	 Flatworm <i>Dugesia polychroa</i>	 Digenean fluke <i>Neascus brevicaudatus</i>	 Asian tapeworm <i>Bothrioccephalus acheilognathi</i> www.sci.sdsu.edu	 Digenean fluke <i>Timoniella sp.</i>	 Digenean fluke <i>Ichthyocotylurus pileatus</i>	 Monogenetic fluke <i>Dactylogyrus amphibothrium</i> M. El-Naggar and G. Keam	
 Monogenetic fluke <i>Dactylogyrus hemimphobothrium</i>	 Cestode <i>Scolex pleuronectis</i>	 Microsporidian parasite <i>Lophodolium herwigii</i> Maine DIF&W	 Microsporidian parasite <i>Sphaeromyxa sevastopoli</i>	 Microsporidian parasite <i>Microsporidium sp.</i> WI DNR	 Salmonid whirling disease <i>Myxobolus cerebralis</i>	 Testate amoeba <i>Psalmonobolus communis</i>	 Testate amoeba <i>Psalmonobolus dzinowii</i>	 Testate amoeba <i>Psalmonobolus linearis</i>	 Flagellate <i>Trypanosoma aceriniae</i>	 Bacterial kidney disease <i>Yersinia piscium</i> USGS	 Furunculosis <i>Aeromonas salmonicida</i> NOAA	 Muskie pox <i>Piscirickettsia cf. salmonis</i> MI DNR	 Spring viremia of carp <i>Rhabdovirus carpio</i>	 Largemouth bass virus <i>Ranavirus sp.</i>	 VHS virus <i>Novirhabdovirus sp.</i> M. Faisal		
 European ear snail <i>Radix auricularia</i> USGS	 New Zealand mudsnail <i>Potamopyrgus antipodum</i> M. Gangloff	 Japanese mystery snail <i>Campelodexelasma japonica</i> USGS	 Banded mystery snail <i>Viviparus georgianus</i> USGS	 Green floater mussel <i>Lasmignona subviridis</i> A. Bogan	 Asian clam <i>Corbicula fluminea</i> N. Burkhead - USGS	 Quagga mussel <i>Dreissena rostriformis bugensis</i> USGS	 Zebra mussel <i>Dreissena polymorpha</i> USGS	 Faucet snail <i>Bithynia tentaculata</i> USGS	 Piedmont elimia <i>Elimia virginica</i> USGS	 Chinese mystery snail <i>Campelodexelasma orientis melleus</i> USGS	 European valve snail <i>Valvata piscinalis</i> USGS	 Buffalo pebblesnail <i>Giliea albida</i>	 Greater European pea clam <i>Pisidium amnicum</i> USGS	 Humpback pea clam <i>Pisidium supinum</i> F. Welter-Schultes	 Henslow pea clam <i>Pisidium henslowianum</i> F. Welter-Schultes	 European fingernail clam <i>Pisidium cornutum</i> USGS	 Pygmy pea clam <i>Pisidium minimum</i> F. Welter-Schultes

GLANSIS

A one-stop source for information about non-indigenous species in the Great Lakes region!

GLANSIS ENHANCEMENTS 2010-2011

The GLANSIS project has received funding under the Great Lakes Restoration Initiative (GLRI) for several improvements in support of early detection and rapid response.

- Addition of 'range expansion' species—those native to one portion of the Great Lakes but are considered invasive to other portions of the basin.
- Addition of high priority 'watchlist' species—those that have been identified in the literature as high risk for invading and becoming established in the Great Lakes.
- Updated and consistent 'impact' information allowing cross-taxa comparisons that are better able to support risk assessment and management.
- Addition of management information—regulations, best management practices, and control methodologies—for all the species in the database.
- Enhanced bibliographic information. (IL-IN Sea Grant)
- Addition of non-technical fact sheets for priority species of public interest. (IL-IN Sea Grant)



GLANSIS NEEDS Your Verified Reports

Send reports to:
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