

**Table 1**  
**Globally Significant Elements of Biodiversity**  
**in the Great Lakes Basin**

Heritage Rank:	Global Context:
G1 - Critically Imperiled	1 - Element is entirely within Basin
G2 - Imperiled	2 - More than 50% and/or best examples within Basin
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please see Appendix 2 for a complete description of the Heritage Ranking system

Element Name	Common Name	Heritage Rank	Global Context	System
<i>Botrychium acuminatum</i>	Moonwort	G1	1	coastal shore
<i>Coregonus reighardi</i>	Shortnose Cisco	G1	1	open lake
<i>Dendroica kirtlandii</i>	Kirtland's Warbler	G1	1	inland terrestrial
<i>Epioblasma obliquata perobliqua</i>	White Cataspaw Mussel	G1	1	tributary/connecting channel
<i>Hemileuca sp. nov.</i>	Cryan's Buckmoth	G1	1	coastal shore
<i>Moxostoma hubbsii</i>	Copper Redhorse	G1	1	tributary/connecting channel
<i>Planorbella multivolvis</i>	Acorn Ram's Horn	G1	1	lakeplain
<i>Botrychium pseudopinnatum</i>	Moonwort	G1	2	inland terrestrial
Rich Woodland/Savanna		G1	2	lakeplain & inland terrestrial
Saline Seep-Marsh		G1	2	inland wetland
<i>Pleurobema clava</i>	Clubshell Mussel	G1	4	tributary/connecting channel
<i>Epioblasma sulcata delicata</i>	Cataspaw Mussel	G1	4?	tributary/connecting channel
<i>Nicrophorus americanus</i>	American Burying Beetle	G1	4?	inland terrestrial
Moist Sand Prairie		G1?	2	lakeplain
<i>Appalachia arcana</i>	Secretive Locust	G1G2	1	inland wetland
<i>Brychius hungerfordi</i>	Hungerford's Crawling Water Beetle	G1G2	1	tributary/connecting channel
<i>Leptodea leptodon</i>	Scaleshell	G1G2	3	tributary/connecting channel
<i>Oecanthus laricis</i>	Tamarack Tree Cricket	G1G3	2?	inland wetland
<i>Stenelmis douglasensis</i>	Douglas Stenelmis Riffle Beetle	G1G3	2?	tributary/connecting channel
<i>Hymenoxis acaulis var. glabra</i>	Lakeside Daisy	G2T1T2	1	coastal shore
<i>Mimulus glabratus var. michiganensis</i>	Michigan Monkey-Flower	G5T1	1	lakeplain
<i>Klinosteron flavescens spooneri</i>	Illinois Mud Turtle	G5T1	4	coastal shore
Alkaline Shoredunes Pond/Marsh	Interdunal Wetland	G2	1	coastal shore
Wet Prairie, Great Lakes		G2	1	lakeplain
Infertile Pond-Marsh	Coastal-Plain Marsh	G2	1?	lakeplain & inland wetland
Barrens, Central Midwestern Type		G2	2	lakeplain
<i>Botrychium mormo</i>	Little Goblin Moonwort	G2	2	inland terrestrial
<i>Lycaeides melissa samuelis</i>	Karner Blue	G2	2	lakeplain & inland terrestrial
<i>Neonympha mitchellii</i>	Mitchell's Satyr	G2	2	inland wetland
<i>Platanthera leucophaea</i>	Eastern Prairie White-Fringed Orchid	G2	2	lakeplain
<i>Botrychium campestre</i>	Prairie Moonwort	G2	3	coastal shore & inland terrestrial
<i>Clonophis kirtlandii</i>	Kirtland's Snake	G2	3	inland terrestrial & inland wetland
<i>Poa paludigena</i>	Bog Bluegrass	G2	3	inland terrestrial & inland wetland
<i>Simpsonia ambigua</i>	Salamander Mussel	G2	3	tributary/connecting channel

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Tallgrass Prairie, Central Midwestern Type		G2	3	lakeplain
<i>Villosa fabalis</i>	Rayed Bean Mussel	G2	3	tributary/connecting channel
<i>Isotria medeoloides</i>	Small Whorled Pogonia	G2	3?	Inland terrestrial
<i>Isoetes eatonii</i>	Eaton's Quillwort	G2	4	tributary/connecting channel
<i>Myotis sodalis</i>	Indiana Bat	G2	4	tributary/connecting channel & inland terrestrial
<i>Tomanthere auriculata</i>	Earleaf Foxglove	G2	4	lakeplain
<i>Toxolasma lividus</i>	Purple Lilliput Mussel	G2	4	tributary/connecting channel
Alkaline Scrub/Grassland	Alvar	G2?	1	lakeplain
Rockshore, Great Lake (Alkaline)		G2?	1	coastal shore
Flatwoods, Central-Midwestern Type		G2?	3	lakeplain
<i>Scirpus hallii</i>	Hall's Bulrush	G2?	4	lakeplain
<i>Trimerotropis huroniana</i>	Lake Huron Locust	G2G3	1	coastal shore
<i>Oarisma poweshiek</i>	Poweshiek Skipper	G2G3	3	inland wetland
<i>Ophigomphus howei</i>	Clubtail Dragonfly	G2G3	3	tributary/connecting channel
<i>Pycnanthemum torrei</i>	Torrey's Mountain Mint	G2G3	3?	inland terrestrial & inland wetland
<i>Epioblasma torulosa rangiana</i>	Northern Riffleshell Mussel	G2T2	3	tributary/connecting channel
<i>Lanius ludovicianus migrans</i>	Migrant Loggerhead Shrike	G4T2	4	inland wetland
<i>Nerodia erthrogaster neglecta</i>	Northern Copperbelly Water Snake	G5T2	1	coastal shore & coastal marsh
Alkaline Cobbel-Gravel Shore, Great Lake		G3	1	coastal shore
Beach/Shoredunes, Great Lakes (Beach)		G3	1	coastal shore
Beach/Shoredunes, Great Lakes (Dunes)		G3	1	coastal shore
<i>Cirsium pitcheri</i>	Dune Thistle	G3	1	open lake
<i>Coregonus kiyi</i>	Kiyi	G3	1	open lake
<i>Coregonus zenithicus</i>	Shortjaw Cisco	G3	1	coastal shore
<i>Iris lacustris</i>	Swarf Lake Iris	G3	1	tributary/connecting channel & coastal marsh
Permanent marsh, CMW - Estuary		G3	1	coastal marsh & open lake
Permanent Marsh, CMW - Sheltered		G3	1	tributary/connecting channel & coastal marsh
Permanent Marsh, Upper MW - Estuary		G3	1	coastal shore
Rockshore, Great Lakes Type	Houghton's Goldenrod	G3	1	coastal shore
<i>Solidago houghtonii</i>		G3	2	inland wetland
Alkaline Shrub-Herb Fen, Midwest Type		G3	2	inland wetland
Alkaline Shrub-Herb, Upper Midwest Type		G3	2	lakeplain & inland terrestrial
Barrens, Upper Midwest Type		G3	2	inland terrestrial
<i>Botrychium rugulosum</i>	Rugulose Moonwort	G3	2	inland terrestrial

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<i>Charadrius melodus</i>	Piping Plover	G3	2	coastal shore
<i>Cirsium hillii</i>	Hill's Thistle	G3	2	lakeplain & inland terrestrial
<i>Cypripedium arietinum</i>	Ram's-Head Lady's-Slipper	G3	2	coastal shore
<i>Notropis anogenus</i>	Pugnose Shiner	G3	2	tributary/connecting channel
Shrub-Herb Bog		G3	2	inland wetland
Wet Prairie, Midwestern Type		G3	2	lakeplain & inland wetland
<i>Acipenser fulvescens</i>	Lake Sturgeon	G3	2?	tributary/connecting channel
<i>Carex formosa</i>	Handsome Sedge	G3	2?	inland wetland
<i>Moxostoma valenciennesi</i>	Greater Redhorse	G3	2?	tributary/connecting channel
Rich Forested Fen, Central Midwest Type		G3	2?	inland wetland
<i>Besseyia bullii</i>	Kitten-Tails	G3	3	inland terrestrial
Poor Shrub/Herb Fen, Upper Midwest Type		G3	3	inland wetland
<i>Potamogeton hillii</i>	Hill's Pondweed	G3	3	tributary/connecting channel
West Forest, Central Midwest Type		G3	3	inland wetland
<i>Agalinis skinneriana</i>	Pale False Foxglove	G3	3?	lakeplain
<i>Armoracia lacustris</i>	Lake Cress	G3	3?	tributary/connecting channel & inland wetland
<i>Gomphus virdifrons</i>	Green-Faced Clubtail	G3	3?	tributary/connecting channel
<i>Listera auriculata</i>	Auricled Twayblade	G3	3?	tributary/connecting channel & inland wetland
<i>Speyeria idalia</i>	Regal Fritillary	G3	3?	inland terrestrial
<i>Aconitum novaboracense</i>	Northern Monkshood	G3	4	inland terrestrial
<i>Agalinis gattingeri</i>	Roundstem Foxglove	G3	4	lakeplain
<i>Ammocrypta pellucida</i>	Eastern Sand Darter	G3	4	tributary/connecting channel
<i>Carex schweinitzii</i>	Schweinitz' Sedge	G3	4	inland wetland
<i>Carex wiegandii</i>	Wiegand's Sedge	G3	4	inland wetland
<i>Echinodorus tenellus</i>	Dwarf Burhead	G3	4	lakeplain
<i>Eleocharis tricostrata</i>	Three-Angle Spike-Rush	G3	4	lakeplain
<i>Falco peregrinus</i>	Peregrine Falcon	G3	4	coastshore & inland terrestrial
<i>Haliaeetus leucocephalus</i>	Bald Eagle	G3	4	all
<i>Notropis ariommus</i>	Popeye Shiner	G3	4	tributary/connecting channel
<i>Obovaria subrotunda</i>	Round Hickory-Nut Mussel	G3	4	tributary/connecting channel
<i>Plantago cordata</i>	Heart-Leaved Plantain	G3	4	tributary/connecting channel
<i>Polemonium var. bruntiae</i>	Jacob's Ladder	G3	4	inland wetland
<i>Quadrula nodulata</i>	Wartyback Mussel	G3	4	tributary/connecting channel
<i>Calamagrostis pickingerii</i>	Pickinger's Reedgrass	G3	4?	inland wetland

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Dysnomia triquetra	Snuffbox	G3	4?	tributary/connecting channel
Carex garberi	Elk Sedge	G3?	2	coastal shore & inland wetland
Rich Forested Fen, Upper Midwest Type		G3?	2	coastal shore & inland wetland
Draba arabisans	Rock Whitlow-Grass	G3?	3	coastal shore & inland terrestrial
Flooded Forest, Central Midwest Type		G3?	3	tributary/connecting channel
Hesperia ottoe	Ottoe Skipper	G3?	3	lakeplain
Wet Meadow, Central Midwest Type		G3?	3	lakeplain & inland wetland
Botrychium hesperium	Western Moonwort	G3?	4	coastal shore
Napaea dioica	Glade-Mallow	G3?	4	tributary/connecting channel
Viola novae-angliae	New England Violet	G3?	4	tributary/connecting channel
Euthamia remota	Grass-Leaved Goldenrod	G3G4	1	lakeplain
Permanent Marsh, Upper MW - Exposed		G3G4	1	coastal marsh
Permanent Marsh, Upper MW - Sheltered		G3G4	1	coastal marsh & open lake
Buchnera americana	Blue-Hearts	G3G4	1?	inland terrestrial
Hemileuca, sp. nov.	Midwestern Fen Buckmoth	G3G4	2?	inland wetland
Aster furcatus	Forked Aster	G3G4	3	inland terrestrial
Carex decomposita	Log Sedge	G3G4	3?	inland wetland
Astragalus neglectus	Cooper's Milkvetch	G3G4	4	inland terrestrial
Euphyes dukesi	Scarce Swamp Skipper	G3G4	4	lakeplain
Gomphus ventricosus	Skillet Clubtail	G3G4	4	tributary/connecting channel
Parnassia parviflora	Small Flower Grass-of-Parnassus	G3G4	4	inland wetland
Phlox bifida	Cleft Phlox	G3G4	4	inland terrestrial
Phyciodes batesii	Tawny Crescentspot	G3G4	4	inland terrestrial
Pleurobema coccineum	Round Pigtoe Mussel	G3G4	4	tributary/connecting channel
Poa languida	Week Bluegrass	G3G4	4	inland terrestrial
Pos wolfii	Wolf Bluegrass	G3G4	4	inland terrestrial
Stylurus notatus	Notable Snaketail	G3G4	4	tributary/connecting channel
Talinum rugospermum	Prairie Fame Flower	G3G4	4	lakeplain
Papaipema silphii	Silphium Borer Moth	G3G4	4?	inland terrestrial & inland wetland
Wooded Dune and Swale Complex		G4	1	coastal shore
Alkaline Dry Cliff, Upper Midwest Type		G4	3	inland terrestrial
Alkaline Moist Cliff, Upper Midwest Type		G4	3	inland terrestrial
Dry-Mesic Northern Forest		G4	3	inland terrestrial
Dry-Mesic Southern Forest		G4	3	inland terrestrial

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Forested Bog, Upper Midwest Type		G4	3	inland wetland
Northern Mesic Forest		G4	3	inland terrestrial
Permanent Marsh, CMW - Inland		G4	3	inland wetland
Shrub/Herb Bog, Upper Midwest Type		G4	3	inland wetland
Wet Forest, Upper Midwest Type		G4	3	inland wetland
Wet Meadow, Upper Midwest Type		G4	3	inland wetland
Dry Southern Forest		G4	4	inland terrestrial