

# At-a-Glance Chart of Invasive Species Cards

Aquatic	Organism		Date of Introduction	Origin	Method of Introduction
	Plant	curly-leaf pondweed	1879	Europe and Asia	Unintentional/released with fish stocking
		Eurasian watermilfoil	North America- 1940s Great Lakes-1952	Europe and Asia	Unintentional/release of aquarium plants
		flowering rush	1930	Europe and Asia	Unintentional/entry along canals and escape from garden pond
		hydrilla	Florida- 1950s. Not in Great Lakes yet.	Asia (Korea) and parts of Africa	Unintentional/release of aquarium plants
		purple loosestrife	1869	Europe and Asia	First brought to North America as garden plant, but later spread to Great Lakes unintentionally, in along canals and railways.
	Animal	alewife	1873	Atlantic coast	Unintentional/entry through canals
		Asian carp	1980s- Not in Great Lakes	Asia	Unintentional/escaped from fish farms during flooding
		Eurasian ruffe	1986	Europe and Asia	Unintentional/ballast water
		northern snakehead	2002-MD Not in Great Lakes	China (possibly Korea and Russia)	Unintentional/escape from fish farms
		round goby	1990	Eastern Europe	Unintentional/ballast water
		rusty crayfish	1967	Ohio, Kentucky, Tennessee	Unintentional/release of live bait
		sea lamprey	Early 1800s	Atlantic Coast	Unintentional/ entry through canals
		spiny and fishhook waterfleas	1984- spiny 1986-fishhook	Europe and Asia	Unintentional/ballast water
		white perch	1953	Atlantic Coast	Unintentional/entry through canals
zebra mussel		1988	Eastern Europe	Unintentional/ballast water	
Terrestrial	Plant	autumn olive	1830	China & Japan	Intentional/ wildlife habitat & windbreak plant
		garlic mustard	1868	Europe	Intentional/cooking & medicinal use
		common buckthorn	Before 1800	Europe, western Asia, and northern Africa	Intentional/ornamental & fencerow plant
		leafy spurge	1827	Europe & Asia	Unintentional/ballast and/or crop seed contaminant
		common periwinkle	1700s	Europe & Asia	Intentional/ornamental plant
		spotted knapweed	1890s	Central Europe & Asia	Unintentional/contaminant in alfalfa or hay seed.
	Animal	Asian long-horned beetle	1996	Asia	Unintentional/hitchhiker on wood packaging carried by cargo ships or planes.
		Emerald ash borer	2002	Asia	Unintentional/hitchhiker on wood packaging carried by cargo ships or planes.
		European starling	1890	Europe, Asia	Intentional release
		gypsy moth	Escaped 1868 or 67	Europe, Asia & North Africa	Intentionally imported, later escaped into wild
		house mouse	1600s	Europe	Unintentional/stow-away on ships.
		house sparrow	1850	Europe & Asia	Intentional/to control agricultural pests
		Norway rat	1775	Asia originally	Unintentional/stow-away on ships
		Disease causing microbe	Dutch elm disease	1930	Asia
	West Nile virus		1999	Uganda (Africa)	Unintentional