

Building Consensus to Identify and Address Priority Aquatic Invasive Species and Vectors in the Great Lakes

Project Methodology

Phase 1

In 2019, the National Sea Grant Law Center (NSGLC) received funding from the Great Lakes Fishery Commission (GLFC) to assess variability in the regulated species lists of the Great Lakes states and provinces and identify priority actions to address identified gaps and vectors of concern. The NSGLC reviewed and updated information in a spreadsheet maintained by the Great Lakes Panel on Aquatic Nuisance Species, the Great Lakes Commission, and the GLFC Law Enforcement Committee on restricted activities for aquatic invasive species (AIS) in the Great Lakes region. Several questions arose during the initial review that can only be answered by officials in the respective states. Those questions and the associated assumptions the NSGLC made to complete its analysis discussed below were in a "notes" document included with the updated spreadsheet.

Following the review, the NSGLC focused on 21 AIS either listed as "injurious wildlife" under the Lacey Act (18 U.S.C. 42) or designated as "least wanted" AIS by the Great Lakes and St. Lawrence Governors and Premiers. The NSGLC created one-page summaries for each of the 21 species. The summaries provide snapshots of classifications and restrictions for each species across the ten Great Lakes states and provinces: Minnesota, Wisconsin, Illinois, Indiana, Michigan, Ohio, Pennsylvania, New York, Quebec, and Ontario. Each summary includes two maps and one table. The first map represents the classification of the species in the state as either "prohibited," "restricted," or "not listed." The classification map, however, does not tell the entire story. For example, the classification map for Bighead carp shows that the species is prohibited in all ten jurisdictions; but, some of the jurisdictions are silent on whether specific activities identified as AIS spread risks, such as propagation, lease and loan, or transfer are prohibited. A second map seeks to illustrate whether all, some, or none of the priority activities of concern are regulated in each jurisdiction. A table below the maps identifies the specific activity restrictions for each species in the states and provinces.

These summaries are intended to provide quick baseline information to start conversations about current regulatory approaches and to help set priorities for states and provinces addressing AIS. The majority of the research was performed in October 2019 with minor updates in November 2020 to reflect new regulations.

Phase 2



During Phase 2 of the project, the NSGLC performed an analysis of the AIS laws in each Great Lakes state and province by key pathways identified by GLFC. These key pathways were pet stores, live food markets, nurseries, biological supply houses, aquaculture, and bait. The research findings were summarized in a spreadsheet. In performing the research, the NSGLC used search terms for the specific pathways, including pet store, aquarium, live food market, nurseries, biological supply houses, aquaculture, and bait. The NSGLC also used terms related to AIS, including aquatic invasive species, nonnative, injurious, nonindigenous, and aquatic nuisance species.

In general, the NSGLC found very few laws directly regulating the pathways, with the exception of the aquaculture and live bait pathways. Michigan, for instance, has a licensing law for pet stores, but no state had a law or regulation that regulated biological supply houses. Due to the lack of specific pathway regulation, the NSGLC identified "catch-all" AIS provisions which prohibited the sale of non-native species. These regulations would apply to any sale regardless of the pathway in which the sale was taking place. Many of these "catch-all" provisions, however, only apply to listed species, which raises significant enforcement challenges. Effective enforcement requires the ability to properly identify species as the sale is not prohibited if the species is non-native but not listed.

Assumptions

As noted in the above, in Phase 1 the NSGLC prepared a notes document to accompany the updated GLFC spreadsheet. This document identified any assumptions made in interpreting regulations and included questions for state AIS managers and enforcement officers. For example, in one state it is unclear whether a prohibition on import is implied by other prohibitions on possession, sale, or other activities. In another state, the NSGLC interpreted the prohibitions on holding and display to be the equivalent of a prohibition on "possession." If GLFC has not yet done so, the GLFC should review the notes document prepared for Phase 1 with AIS managers and enforcement officers to gather their thoughts and input on those issues.

<u>Takeaways</u>

Throughout the project, the NSGLC found that there are variabilities among the Great Lakes states and provinces regarding the listing of priority species. Classifications and restrictions for each priority species vary. For example, a species may be designated as "prohibited," but that may not mean that all high-risk activities are prohibited within the state or province. The lack of consistency across states and provinces complicates enforcement.



There is also a lack of specific pathway regulation. Catch-all provisions only apply to listed species, which results in legal gaps that may make it difficult to restrict the entry of priority non-native species. These results highlight the ongoing debate between a white list and black list approach, versus specific pathways. States may want to revisit the differences in policy approaches in light of the findings to see if a change would be preferable. For instance, a white list approach in which only approved species could be imported could make it easier to enforce rules for some pathways. Conversely, direct regulation of a pathway could be preferable for certain pathways based on lessons learned from aquaculture and bait.

Recommendations

Great Lakes states and provinces should continue to focus on harmonization of state species laws for priority species to ensure consistent regulation of high-risk activities.

Great Lakes states and provinces should conduct pathway-specific policy analysis to determine options to reduce risks from those pathways. They should consider whether approaches taken to address aquaculture and bait are feasible for other pathways.

A SNAPSHOT OF CLASSIFICATION AND RESTRICTIONS FOR 21 GREAT LAKES AIS



STEPHANIE OTTS
DIRECTOR

TERRA BOWLING
SENIOR RESEARCH COUNSEL

Executive Summary

In 2019, the National Sea Grant Law Center (NSGLC) partnered with the Great Lakes Panel on Aquatic Nuisance Species, the Great Lakes Commission, the Great Lakes Law Enforcement Committee, and the Great Lakes Fishery Commission to assess variability in Great Lakes state and province regulated species lists and identify priority actions to address identified gaps and vectors of concern. The NSGLC reviewed and updated information maintained by the organizations on restricted activities for AIS in the Great Lakes region. Following the review, the NSGLC focused on 21 Aquatic Invasive Species (AIS) either listed as "injurious wildlife" under the Lacey Act (18 U.S.C. 42) or designated as "least wanted" AIS by the Great Lakes and St. Lawrence Governors and Premiers. The NSGLC created the following one-page summaries for each of the 21 species.

The summaries provide snapshots of classifications and restrictions for each species across ten Great Lakes states and provinces: Minnesota, Wisconsin, Illinois, Indiana, Michigan, Ohio, Pennsylvania, New York, Quebec, and Ontario. Each summary includes two maps and one table. The first map represents the classification of the species in the state as either "prohibited," "restricted," or "not listed." Yet, the classification map does not tell the entire story. For example, the classification map for Bighead carp shows that the species is prohibited in all ten jurisdictions; however, some of the jurisdictions are silent on specific activities identified as AIS spread risks, such as propagation, lease and loan, or transfer. A second map seeks to illustrate whether all, some, or none of the activities of concern are regulated in each jurisdiction. A table below the maps identifies the specific activity restrictions for each species in the states and provinces.

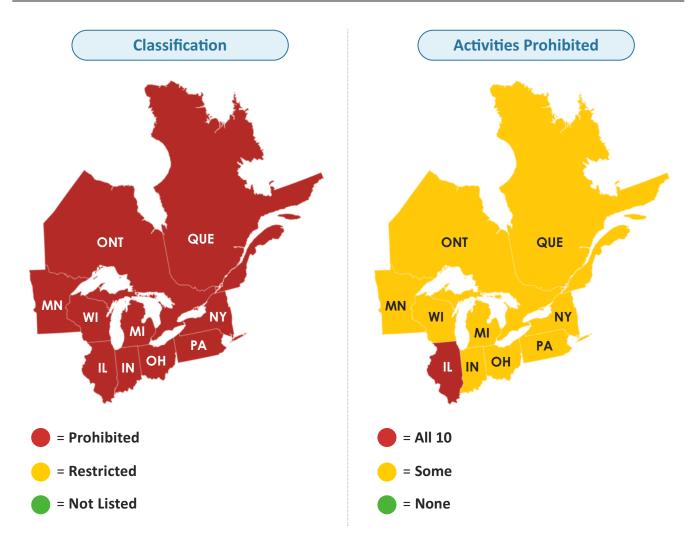
These summaries are intended to provide quick baseline information to start conversations about current regulatory approaches and to help set priorities for states and provinces addressing AIS. The majority of the research was performed in October 2019 with minor updates in November 2020 to reflect new regulations.

Table of Contents

I. Fish	
A. Bighead carp	3
B. Silver carp	4
C. Grass carp	5
D. Black carp	
E. Northern snakehead	
F. Stone Moroko	
G. Zander	9
H. Wels Catfish	
I. Tench	11
II. Invertebrates	
A. Killer shrimp	
B. Yabby	
C. Golden mussel	
D. Marmorkreb	
E. New Zealand Mud Snail	
III. Plants	
A. Hydrilla	
B. Brazilian elodea	
C. Water soldier	
D. European water chestnut	
E. Parrot feather	
F. European frogbit	
G. Vellow floating heart	23

Bighead Carp

Hypophthalmichthys nobilis



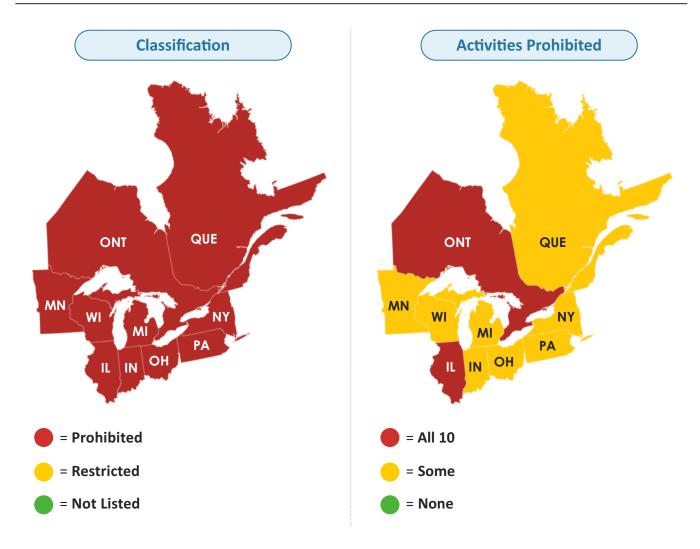
"Prohibited" means different things in different jurisdictions. While possession, sale, and release is expressly illegal in all states where bighead carp is listed as prohibited, jurisdictions may be silent on other activities such as transport, purchase, or import.

Sell	Offer for Sale	Purchase	Transport	Import	Barter, Gift, Trade, Transfer	Possession	Release	Propagation	Lease, Loan
IL, IN, MI, MN, NY, OH, ONT, QUE, PA, WI	IL, MI, PA, WI, ONT	IL, IN, MN NY, ONT, QUE, PA, WI	IL, MN, NY, ONT, QUE, PA, WI	IL, IN, MN, NY, OH, ONT, PA, WI	IL, IN, ONT, PA, WI	IL, IN, MI, MN, NY, OH, ONT, QUE, PA, WI	IL, IN, MI, MN, NY, OH, ONT, QUE, PA, WI	IL, IN, MN, NY, ONT, QUE	IL, IN, ONT
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Silver carp

Hypophthalmichthys molitrix



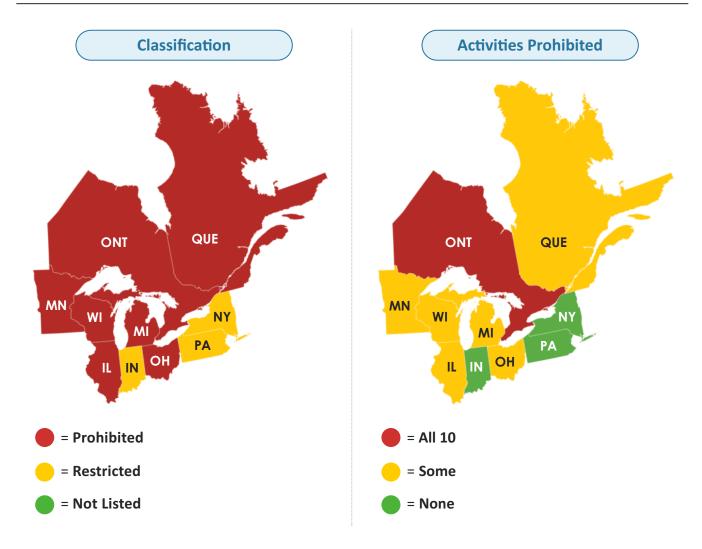
"Prohibited" means different things in different jurisdictions. While possession, sale, and release is expressly illegal in all states where parrot feather is listed as prohibited, jurisdictions may be silent on other activities such as transport, purchase, or import.

Sell	Offer for Sale	Purchase	Transport	Import	Barter, Gift, Trade, Transfer	Possession	Release	Propagation	Lease, Loan
IL, IN, MI, MN, NY, OH, ONT, QUE, PA, WI	IL, MI, PA, WI, ONT	IL, IN, MN NY, ONT, QUE, PA, WI	IL, MN, NY, ONT, QUE, PA, WI	IL, IN, MN, NY, OH, ONT, PA, WI	IL, IN, ONT, PA, WI	IL, IN, MI, MN, NY, OH, ONT, QUE, PA, WI	IL, IN, MI, MN, NY, OH, ONT, QUE, PA, WI	IL, IN, MN, NY, ONT, QUE	IL, IN, ONT
10	5	8	7	8	5	10	10	6	3



Grass carp

Ctenopharyngodon idella



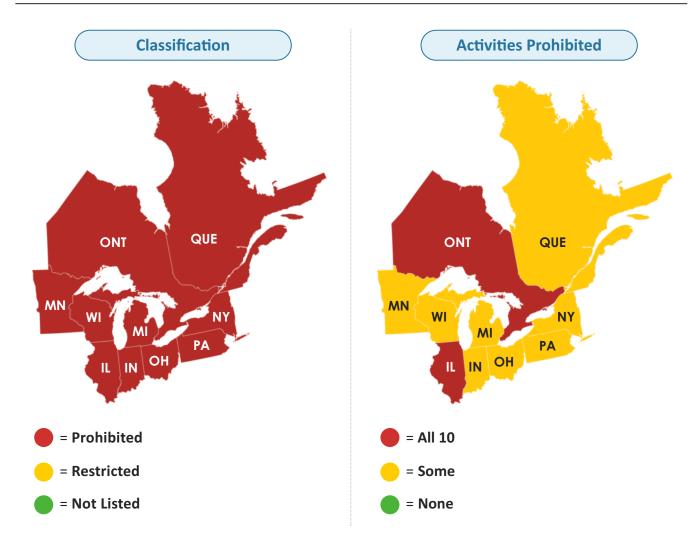
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Sell	Offer for Sale	Purchase	Transport	Import	Barter, Gift, Trade, Transfer	Possession	Release	Propagation	Lease, Loan
MI, MN, OH, ONT, QUE	MI, ONT	MN, ONT, QUE	IL, MN, WI, ONT, QUE	IL, MN, OH, ONT	WI, ONT	IL, MI, MN, OH, WI, ONT, QUE	MI, MN, OH, ONT, QUE	MN, ONT, QUE	ONT
5	2	3	5	4	2	7	5	3	1



Black carp

Mylopharyngodon piceus



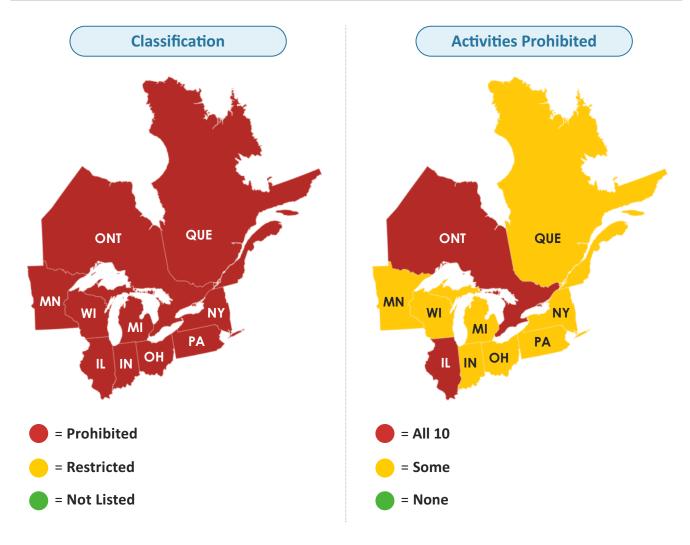
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Sell	Offer for Sale	Purchase	Transport	Import	Barter, Gift, Trade, Transfer	Possession	Release	Propagation	Lease, Loan
IL, IN, MI, MN, NY, OH, ONT, QUE, PA, WI	IL, MI, PA, WI, ONT	IL, IN, MN NY, ONT, QUE, PA, WI	IL, MN, NY, ONT, QUE, PA, WI	IL, IN, MN, NY, OH, ONT, PA, WI	IL, IN, ONT, PA, WI	IL, IN, MI, MN, NY, OH, ONT, QUE, PA, WI	IL, IN, MI, MN, NY, OH, ONT, QUE, PA, WI	IL, IN, MN, NY, ONT, QUE	IL, IN, ONT
10	5	8	7	8	5	10	10	6	3



Northern Snakehead

Channa argus



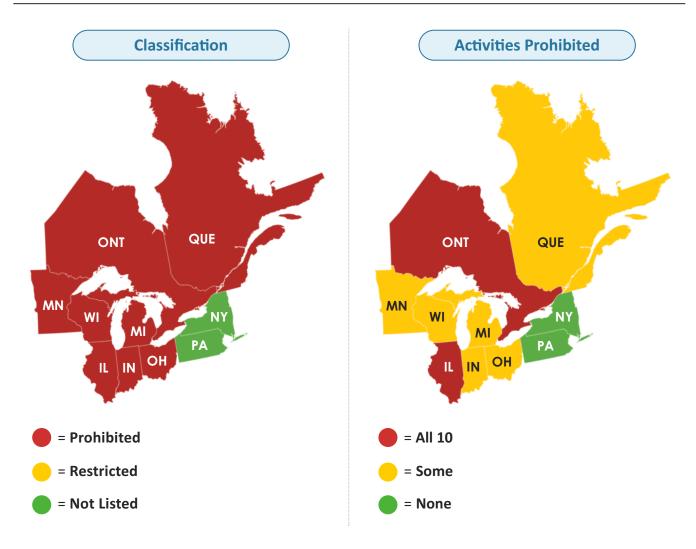
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IL, IN, MI, MN, NY, OH, ONT, QUE, PA, WI	IL, MI, PA, WI, ONT	IL, IN, MN NY, ONT, QUE, PA, WI	IL, MN, NY, ONT, QUE, PA, WI	IL, IN, MN, NY, OH, ONT, PA, WI	IL, IN, ONT, PA, WI	IL, IN, MI, MN, NY, OH, ONT, QUE, PA, WI	IL, IN, MI, MN, NY, OH, ONT, QUE, PA, WI	IL, IN, MN, NY, ONT, QUE	IL, IN, ONT
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Stone Moroko

Pseudorasbora parva



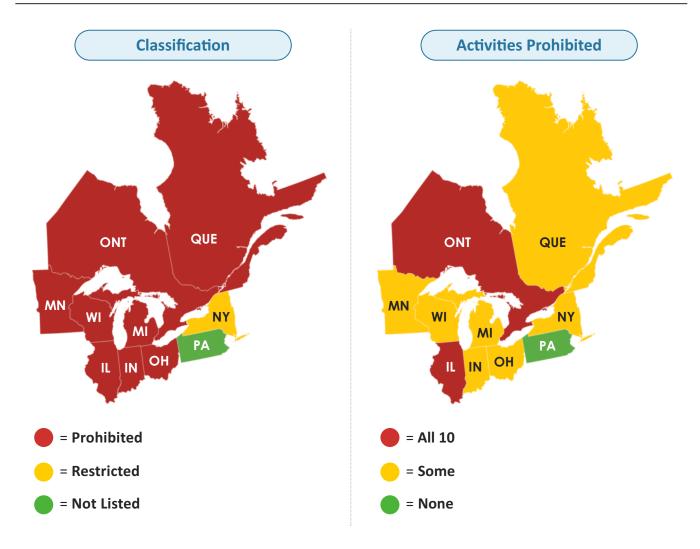
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Sell	Offer for Sale	Purchase	Transport	Import	Barter, Gift, Trade, Transfer	Possession	Release	Propagation	Lease, Loan
IL, IN, MI, MN, OH, WI, ONT, QUE	IL, MI, WI, ONT	IL, IN, MN, WI, ONT, QUE	IL, MN, WI, ONT, QUE	IL, IN, MN, OH, WI, ONT	IL, IN, WI, ONT	IL, IN, MI, MN, OH, WI, ONT, QUE	IL, IN, MI, MN,OH, WI ONT, QUE	IL, IN, MN, ONT, QUE	IL, IN, ONT
8	4	6	5	6	4	8	8	5	3



Zander

Sander lucioperca



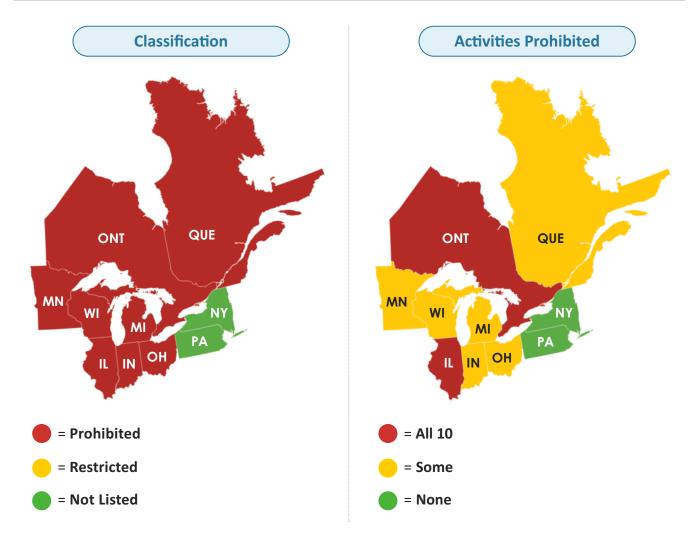
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Sell	Offer for Sale	Purchase	Transport	Import	Barter, Gift, Trade, Transfer	Possession	Release	Propagation	Lease, Loan
IL, IN, MI, MN, OH, WI, ONT, QUE	IL, MI, WI, ONT	IL, IN, MN, WI, ONT, QUE	IL, MN, WI, ONT, QUE	IL, IN, MN, OH, WI, ONT	IL, IN, WI, ONT	IL, IN MI, MN, OH, WI, ONT, QUE	IL, IN, MI MN, NY, OH, WI, ONT, QUE	IL, IN, MN, ONT, QUE	IL, IN, ONT
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Wels Catfish

Silurus glanis



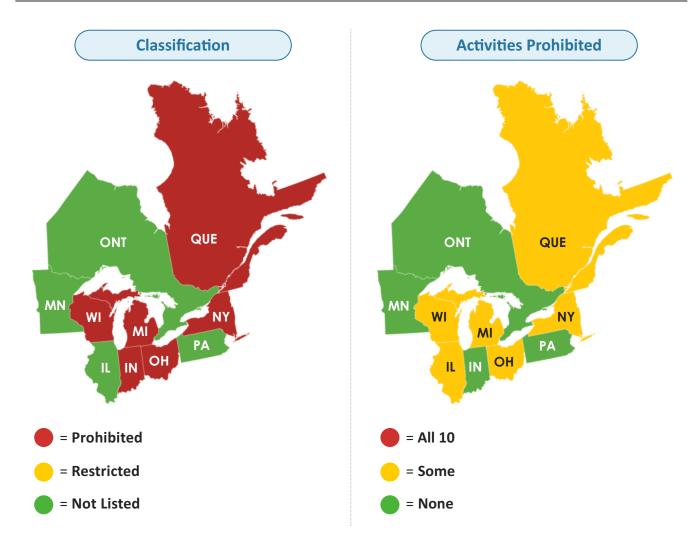
"Prohibited" means different things in different jurisdictions. While possession, sale, and release is expressly illegal in all states where the species is listed as prohibited, jurisdictions may be silent on other activities such as transport, purchase, or import.

Sell	Offer for Sale	Purchase	Transport	Import	Barter, Gift, Trade, Transfer	Possession	Release	Propagation	Lease, Loan
IL, IN, MI, MN, OH, WI, ONT, QUE	IL, MI, WI, ONT	IL, IN, MN, WI, ONT, QUE	IL, MN, WI, ONT, QUE	IL, IN, MN, OH, WI, ONT	IL, IN, WI, ONT	IL, IN, MI, MN, OH, WI, ONT, QUE	IL, IN, MI, MN, OH, WI, ONT, QUE	IL, IN, MN, ONT, QUE	IL, IN, ONT
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Tench

Tinca tinca



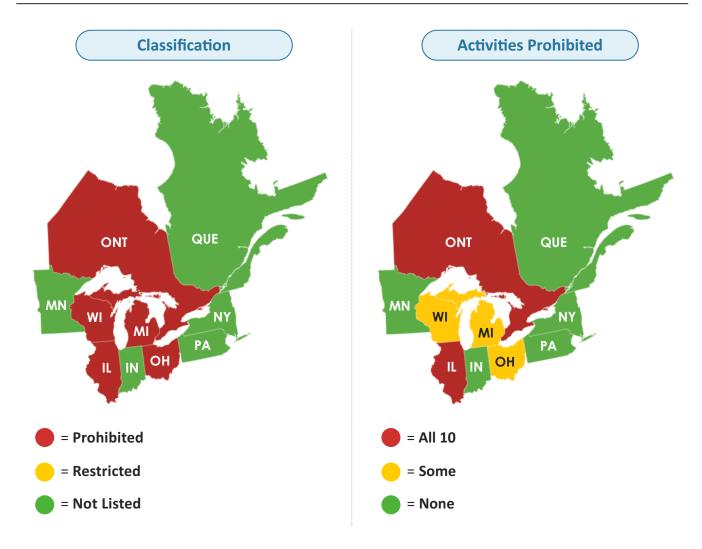
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Sell	Offer for Sale	Purchase	Transport	Import	Barter, Gift, Trade, Transfer	Possession	Release	Propagation	Lease, Loan
MI, NY, OH, WI, QUE	MI, WI	NY, WI, QUE	NY, WI, QUE	IL, NY, OH, WI	WI	IL, MI, NY, OH, WI, QUE	MI, NY, OH, WI, QUE	NY, QUE	
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Killer Shrimp

Dikerogammarus villosus



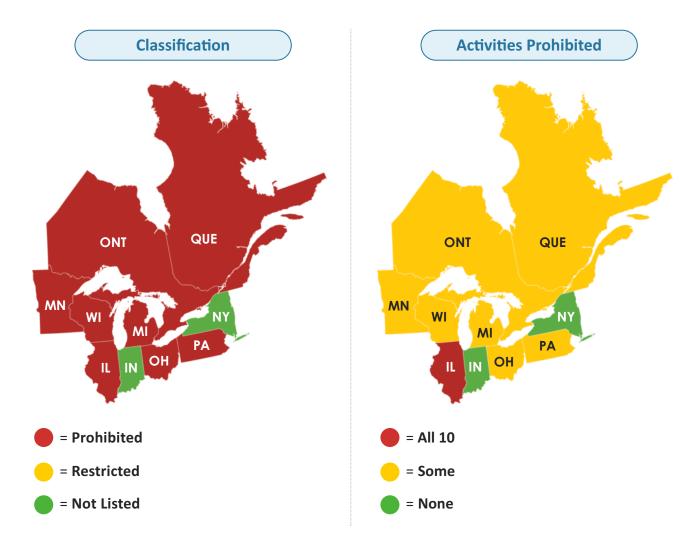
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Sell	Offer for Sale	Purchase	Transport	Import	Barter, Gift, Trade, Transfer	Possession	Release	Propagation	Lease, Loan
IL, MI, OH, WI, ONT	IL, MI, WI, ONT	IL, WI, ONT	IL, WI, ONT	IL, OH, WI, ONT	IL, WI, ONT	IL, MI, OH, WI, ONT	IL, MI, WI, ONT	IL, ONT	IL, ONT
5	4	3	3	4	3	5	4	2	2



Yabby

Cherax destructor



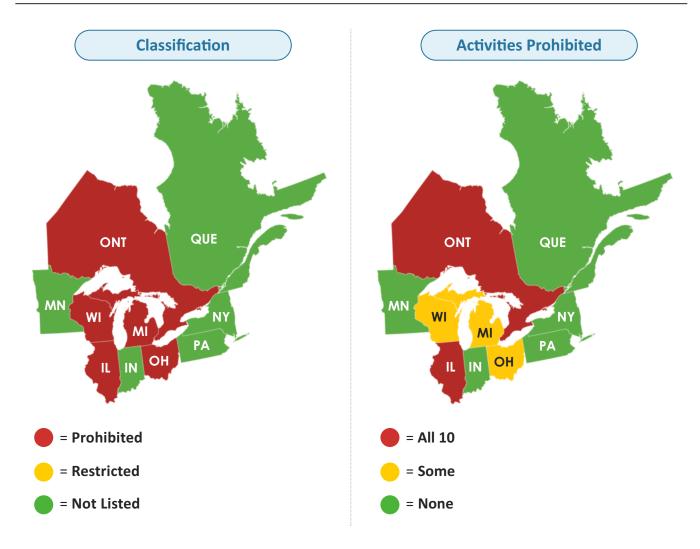
"Prohibited" means different things in different jurisdictions. While possession, sale, and release is expressly illegal in all states where yabby is listed as prohibited, jurisdictions may be silent on other activities such as transport, purchase, or import.

Sell	Offer for Sale	Purchase	Transport	Import	Barter, Gift, Trade, Transfer	Possession	Release	Propagation	Lease, Loan
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8	5	6	6	6	4	8	7	4	2



Golden Mussel

Sander lucioperca



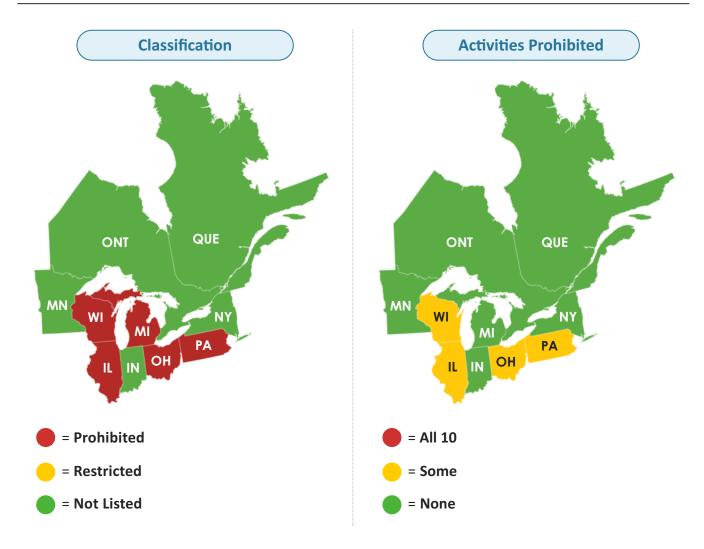
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Sell	Offer for Sale	Purchase	Transport	Import	Barter, Gift, Trade, Transfer	Possession	Release	Propagation	Lease, Loan
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5	4	3	3	4	3	5	4	3	2



Marmorkreb (Marbled Crayfish)

Procambarus fallax forma virginalis



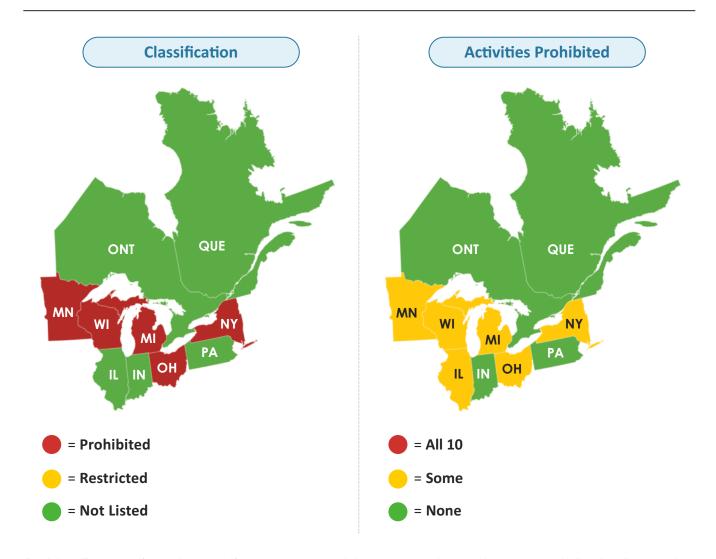
"Prohibited" means different things in different jurisdictions. While possession, sale, and release is expressly illegal in all states where marmorkreb is listed as prohibited, jurisdictions may be silent on other activities such as transport, purchase, or import.

Sell	Offer for Sale	Purchase	Transport	Import	Barter, Gift, Trade, Transfer	Possession	Release	Propagation	Lease, Loan
MI, OH, PA, WI	MI, PA, WI	PA, WI	PA, WI	IL, MI, OH, PA, WI	MI, PA, WI	IL, MI, OH, PA, WI	MI, PA, WI		
4	3	2	2	5	3	5	3	0	0



New Zealand Mud Snail

Potamopyrgus Antipodarum



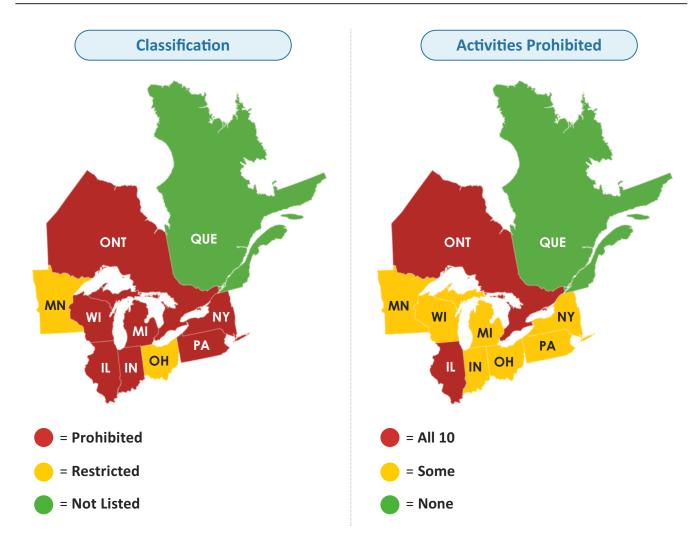
"Prohibited" means different things in different jurisdictions. While possession, sale, and release is expressly illegal in all states where the species is listed as prohibited, jurisdictions may be silent on other activities such as transport, purchase, or import.

Sell	Offer for Sale	Purchase	Transport	Import	Barter, Gift, Trade, Transfer	Possession	Release	Propagation	Lease, Loan
MI, MN, NY, OH, WI	MI, WI	MN, NY, WI	MN, NY, WI	IL, MN, NY, OH, WI	WI	IL, MI, MN, NY, OH, WI	MI, MN, NY, WI	MN, NY	
5	2	3	3	5	1	6	4	2	0



Hydrilla

Hydrilla verticillata



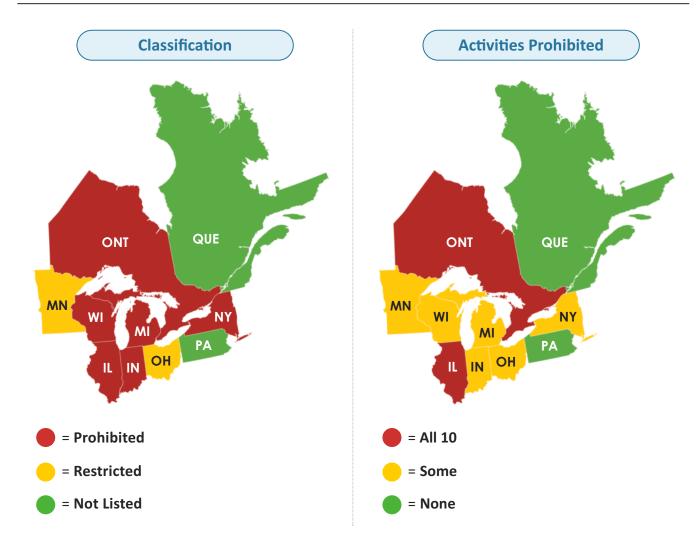
"Prohibited" means different things in different jurisdictions. While possession, sale, and release is expressly illegal in all states where hydrilla is listed as prohibited, jurisdictions may be silent on other activities such as transport, purchase, or import.

Sell	Offer for Sale	Purchase	Transport	Import	Barter, Gift, Trade, Transfer	Possession	Release	Propagation	Lease, Loan
IL, IN, MI, MN, NY, OH, PA, WI, ONT	IL, IN, MI, OH, PA, WI, ONT	IL, MN, NY, WI, ONT	IL, MN, NY, PA, WI, ONT	IL, MN, NY, OH, PA, WI, ONT	IL, IN, OH, PA, WI, ONT	IL, MI, MN, NY, WI, ONT	IL, IN, MI, MN, NY, WI, ONT	IL, MN, NY, OH, PA, ONT	IL, PA, ONT
9	7	5	6	7	6	6	7	6	3



Brazilian elodea

Egeria densa



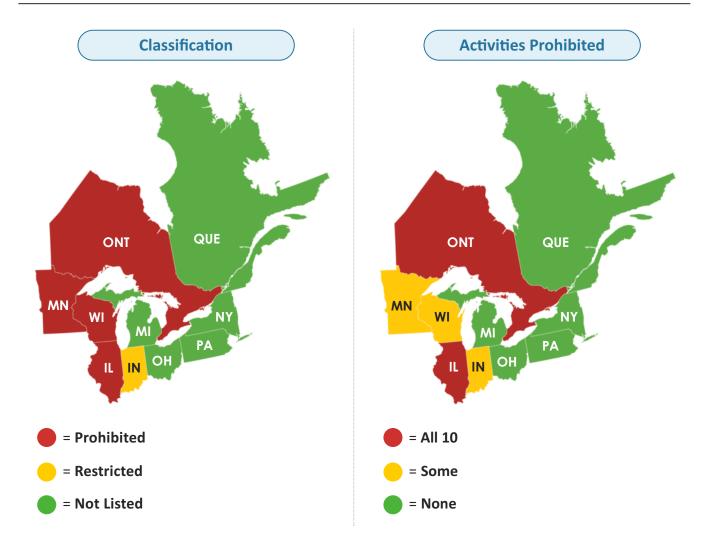
"Prohibited" means different things in different jurisdictions. While possession, sale, and release is expressly illegal in all states where Brazilian elodea is listed as prohibited, jurisdictions may be silent on other activities such as transport, purchase, or import.

Sell	Offer for Sale	Purchase	Transport	Import	Barter, Gift, Trade, Transfer	Possession	Release	Propagation	Lease, Loan
IL, IN, MI, NY, OH, ONT, WI	IL, IN, MI, OH, ONT, WI	IL, NY, WI, ONT	IL, NY, WI, ONT	IL, NY, OH, WI, ONT	IL, IN, OH, WI, ONT	IL, MI, NY, WI, ONT	IL, IN, MI, MN, NY, WI, ONT	IL, NY, OH, ONT	IL, ONT
7	6	4	4	5	5	5	7	4	2



Water Soldier

Stratiotes aloides



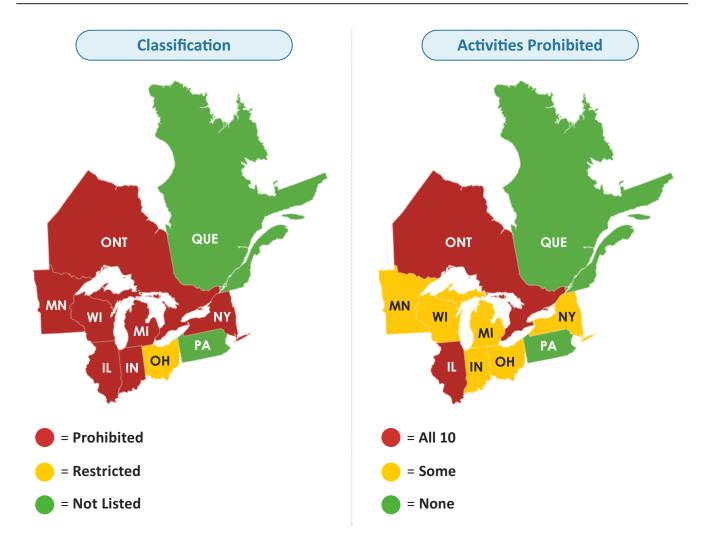
"Prohibited" means different things in different jurisdictions. While possession, sale, and release is expressly illegal in all states where water soldier is listed as prohibited, jurisdictions may be silent on other activities such as transport, purchase, or import.

Sell	Offer for Sale	Purchase	Transport	Import	Barter, Gift, Trade, Transfer	Possession	Release	Propagation	Lease, Loan
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5	4	4	4	4	4	4	5	3	2



European water chestnut

Trapa natans



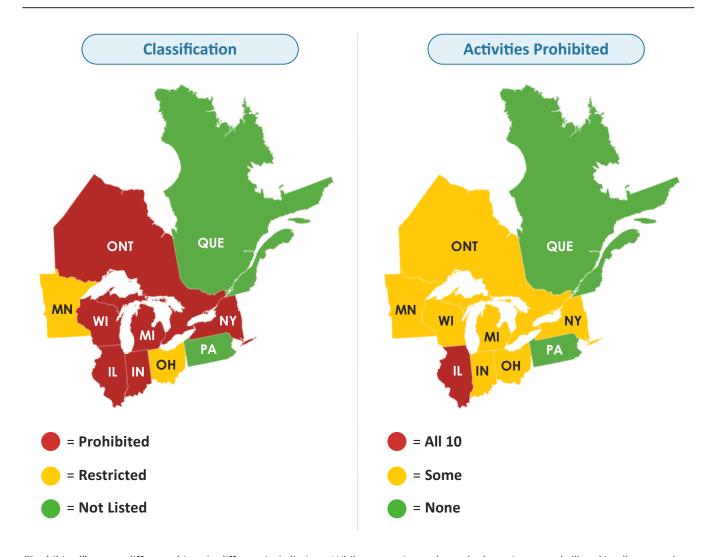
"Prohibited" means different things in different jurisdictions. While possession, sale, and release is expressly illegal in all states where European water chestnut is listed as prohibited, jurisdictions may be silent on other activities such as transport, purchase, or import.

Sell	Offer for Sale	Purchase	Transport	Import	Barter, Gift, Trade, Transfer	Possession	Release	Propagation	Lease, Loan
IL, IN, MI, MN, NY, OH, WI, ONT	IL, IN, MI, OH, WI, ONT	IL, MN, NY, WI, ONT	IL, MN, NY, OH, WI, ONT	IL, MN, NY, OH, WI, ONT	IL IN, OH, WI, ONT	IL, MI, MN, NY, WI, ONT	IL, IN, MI, MN, NY, WI, ONT	IL, MN, NY, OH, ONT	IL, ONT
8	6	5	5	6	5	6	7	5	2



Parrot feather

Myriophyllum aquaticum



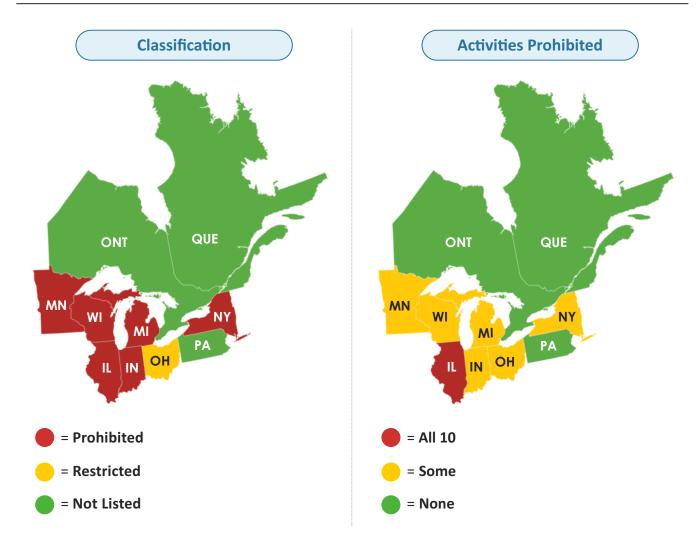
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Sell	Offer for Sale	Purchase	Transport	Import	Barter, Gift, Trade, Transfer	Possession	Release	Propagation	Lease, Loan
IL, IN, MI, NY, OH, WI, ONT	IL, IN, MI, OH, WI, ONT	IL, NY, WI, ONT	IL, NY, WI, ONT	IL, NY, WI, ONT	IL, IN, OH, WI, ONT	IL MI, NY, WI, ONT	IL, IN, MI, MN, NY, WI, ONT	IL, NY, OH	IL, ONT
7	6	4	4	5	5	5	7	4	2



European frogbit

Hydrocharis morsus-ranae



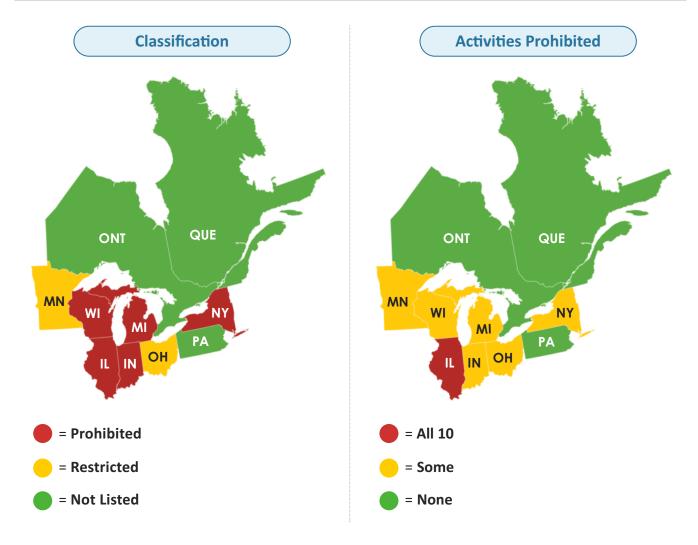
"Prohibited" means different things in different jurisdictions. While possession, sale, and release is expressly illegal in all states where European frogbit is listed as prohibited, jurisdictions may be silent on other activities such as transport, purchase, or import.

Sell	Offer for Sale	Purchase	Transport	Import	Barter, Gift, Trade, Transfer	Possession	Release	Propagation	Lease, Loan
IL, IN, MI, MN, NY, OH, WI	IL, IN, MI, OH, WI	IL, MN, NY, WI	IL, MN, NY, WI	IL, MN, NY, OH, WI	IL, IN, OH, WI	IL, MI, MN, NY, WI	IL, IN, MI, MN, NY, WI	IL, MN, NY, OH	IL
7	5	4	4	5	4	5	6	4	1



Yellow floating heart

Nymphoides peltata



"Prohibited" means different things in different jurisdictions. While possession, sale, and release is expressly illegal in all states where the species is listed as prohibited, jurisdictions may be silent on other activities such as transport, purchase, or import.

Sell	Offer for Sale	Purchase	Transport	Import	Barter, Gift, Trade, Transfer	Possession	Release	Propagation	Lease, Loan
IL, IN, MI, NY, OH, WI	IL, IN, MI, OH, WI	IL, NY, WI	IL, NY, WI	IL, NY, OH, WI	IL, IN, OH, WI	IL, MI, NY, WI	IL, IN, MI, MN, NY, WI	IL, NY, OH	IL
6	5	3	3	4	4	4	6	3	1



	General Prohibition on Import/Sale of Nonnative Species	Only prohibit listed species	Pet Stores	Live food markets	Nurseries	E-commerce (Online Sales)	Biological Supply Houses	Aquaculture	Bait
Illinois	No general prohibition on import/sale of nonnative species. A non-resident aquatic life dealer permit is required to sell or displayed to the revisional properties of comments in large species of the resident properties of the resident	the import/sale of nonnative species. State law prohibits possession, transport, or release any injurious species. (S15 III. Comp. Stat. Ann 5/10-100). State regulations prohibit the sale or purchase, or the offer of sale or purchase, of injurious species (17 III. Admin. Code § 805.30). Injurious species limited to federal list in 50 CFR is 1-11-51/17 III. Adm. Code 805.10)		No specific pathway regulation found. Provisions in Colome B & Cweel deply. The import of live fish of any species or hybrid of salmon or trout require a fish importation permit. (§15 III. Comp. Stat. Ann. 5/10-105), no oppress provision found regarding live fish sales, although a recident equatic life dealer permit is require to self aquatic life in Illinois at rectal fish market (§15 III. Comp. Stat. Ann. 5/20-70).	No specific pathway regulation found. Provisions in Column 8 & Crould apply for injurious species.	No specific pathway regulation found.	found. Provisions in Column C would apply.	The Opportunities are approved list for subsolution geological positions on the list interplant subsolution profession of the list interplant subsolution for transport, import stock, or possess. 1271. Aland. Code & PSD 1081. A Restricted Species Transportation Permits required for their lettings, grazes, published carps, list-ercaps, or liyeding stars carp. 12711. Alant. Code & \$TXX 601. PERMIT Required for Vision Susceptible species. § \$TX 302. Approved list of species. https://www.fishilincic.org/programs/squeucillum/s quick_poproved.	or consumers in IL, any protected aquatic life includes minnows. Fish Importation Permit required for live fish, viable fish eggs, or viable sperm of
Indiana	State I are requires department aground to import and sell any time file. (Inc., 642; 942–97, 1242–252; Date registross; 1813 specis seemed from the perimet requirement. (ISI 2nd. 1814; perimeters (ISI 2nd. 1814; perimeters) and the self-armonic self-a	on the import/sale of nonnative species. State regulations prohibit import, possession, t nurrhase or sale or any of the 13 listed live	from import permit requirement; (132 Ind. Admin. Codb 9-1015), Provision in Column C would apply. The aquarium pet trade is exempt from the aquaculture permit requirements (32 Ind. 9-10-17) which creates a gap.	No specific pathway regulation found. Provisions in Columns B & C would apply.	No specific pathway mgulation found. Provisions in Columns B & C would apply.	No specific pathway regulation found. Provisions in Columns B & C would apply.	No specific pathway regulation found. Provisions in Columns A & C would apply.	State law requires an apparounture permit to import, rains, edit, or range his his or a within indiana. (1)12 indi. Admin. Code 9 50 17).	Live minnows and crayfish may be sold
Michigan	State law prohibits anyone from stilling or offering for sail ex- posacision for the purpose of salling or offering for sail ex- posacision for the purpose of salling or offering for sail levi, nor native against organisms in Michigan without permission from 324.4.1325. Exemptions to the registration requirement include 324.4.1325. Exemptions to the registration requirement include between the purpose of the purpose of the purpose of the sail prohibited or restricted sposes, for human consumption, or the entire sail or sparsing space of the purpose or permission of single species. Violation of Sales or registration registring the sail execution of the purpose of the sail or space of the sail production of the sail or registration. Mich. Comp. Laws Ann. § 324.4.1337.	• offering for sale or possession for the purpose of selling or offering for sale live, non-native aquatic organisms in Michigan without permission from the Department of Natural Resources. Mich. Comp. Laws Ann. § 324.41393. State law prohibits possession, import, sale, or offer for sale live prohibited or restricted species, except under cute, except under cute circumstances. Mich. Comp. Laws Ann. § 324.41304.	offered for size live, but other nonosite species may be without Department approval if it is a one-fine size of species (and size of	No specific pathway regulation found. Provisions in Collam B & award apply. Therefore, prohibited or restricted species couldn't be offered for tall law, but offer normalizes species may be with offered for normalizes species may be with offered for human consumption.	No specific pathway regulation found. Provisions in Columns 8 & C would apply.	No specific pathway regulation found. Provisions in Columns B & C would apply.	No opsofts gathway regulation found. Provisions in Columns B & C would apply.	State law requires commercial apocachium facilities to be registered with MOADI. The Michagine Aquaculture Development Act Incidents int to approved apocies for apparent days call or supervisive and importation requirements. (Mich. Comp. Laws Ann. § 286.871 et on)	State law requires a license or permit for the table, possission, punch, suport of the table, possission, punch, suport of minnews, sieglent, and crypfist, the sure of goldethic, can, or interpret yet had in probabilited, othering Lempsry for sale in probabilited, othering Lempsry for sale in character forbing galaxies, (Mich. Comp. Laws Ann. § 324.487729).
Minnesota	No general provision for import/sals of nonative species. Import parmit for aquaculture, Minn. Stat. Ann. 5 17 4985.	Minnecota does not have a blanket published on the import/she of monasilve published on the import/she of monasilve import, published read of published invasive species (with certain exceptions), possess, sell, buy, and tampoort regulated invasive species (with not stopport regulated invasive species, Minn. 5, 215.000).	days before the event. Violation of halve or regulations, regarding the side of nombine equation opposition may regarding the side of nombine equation opposition may residentially for the side of the side of the side of the side of the residentially find that the side of the side of the side of the three sides of the side of the side of the side of the wholesale and retail aquarium facilities that side of wholesale and retail aquarium facilities that side sides of the side of the side of the side of Minisorab but can sorwise in waters of the state. (Minn or species of signated that side are part of the sides of the side of the side of the side of preparation of the side of the side of sides of the side of the side of sides of the sides of sides of the sides of sides of sides sides of sides s	No specific pathway regulation found. Provisions in Column C would apply.	No specific pathway regulation found. Provisions in Column C would apply.	No specific pathway regulation found. Provisions in Column 6 would apply.	No specific pathway regulation found. Provisions in Column C would apply.	All live fish require permit with disease certification to be imported to the state unless exempted. (Min Stat. Acc., \$2.485-85). An aquatic farm itemse is required for squared properties of the squared state. (Min Stat. Acc., \$17.4964).	Imported from outside of the state, game fish, goldink, or carp for use as ball. (Minn. Stat. Ann. 9 972-341). Aminone writaller internets in required to self minnove. (Minn. Stat. Ann. 9 975-501). The state prohibits import of five minnove untess under a permit for transport through the state of for use at transport through the state of for use at Minn. Stat. Ann. 9 975-315).
New York	No general provision for import/hale of nomative species.	New York does not have a blanked prohibition on the import/alse of monerable species. Under state law, problikhold species canned be sold, imported, prorthased, or possessed with interest to self, more, or porthase, (N. Zomessed with interest to self, more, or porthase, (N. Zomessed with interest to self, more, or porthase, (N. Zomessed with self, and the self, and the proposes, self, and boy regulated invasive species; (N. Y. Comp. 60s. R. A Riget, 11. 6, 5 375.4). Regulated invasive species offered for case in New York Year New Lebelsd with the self-with the self-wit		Minnour dealer license integride for resident because minones are exclude minor and excellent minor are resident from the resident exquisit. (If the place parmet, ESI ACL 57,0000). The control of the shall be control of the control of the shall be control of the shall be control of the shall be control of the shall be control of the shall be shall be s		No specific pathway regulation found. Provisions in Column (would apply.	No specific pathway regulation found. Provisions in Column C would apply.	Histohery permits available to propagate, raise, and self roots and black basis. N.Y. Env? Conserv. Law § 13-1999. State regulation allows hatchery reared black basis to be transported and only of the recting or exhibit or distribution of the transported and only distribution of early last charge targement has been from them consumed in the conservation of early hatchery seared targement has the human consumption. N.Y. Compt. Codes: R. Reg. 16. 6, 9 553. 16. 6, 9 553. The Dec. 16. 16. 16. 16. 16. 16. 16. 16. 16. 16	killifish; mudminnows; darters;
Ohio	No general provision for import/sale of nonnative species. A permit is required to transport fish from outside or inside the taste that are for sale, sold, or purchased. (Ohio Rev. Code Ann. § 1333-301). Aquacultrus import (Ohio Admin. Code 901:1-17-13). No general provision for import/sale of nonnative species.	the import/sale of nonnative species. State law prohibits possession, import, or sale of	No specific pathway regulation found. Provisions in Column C would apply. No specific cathway regulation found. Provisions in	No specific pathway regulation found. Provisions in Columns C would apply. No specific pathway regulation found.	No specific pathway regulation found. Provisions in Columns C would apply. No specific pathway	No specific pathway regulation found. Provisions in Columns C would apply.	No specific pathway regulation found. Provisions in Column C would apply. No specific pathway regulation	Aquaculture permits required for Class A and Class B aquaculture failtites, certain species listed for each. State regulations prohibit import of fish, viable eggs, or sperm of the salmonidae or salmonidae hybrid families or species listed in Appendix unless requirements are met. (Dihlo Admit. Code 901:1-17- 13). Additionally, Provisions in Column C would apply. Transport for release into builts waters of the state	A bait permit is required for a person to buy, sell, or deal. in minnows, crayfish, or heligarmintes: (Dhio Rev. Code Ann. § 1533.40). The take, transport, or shipment of minnows out of the state is prohibited. (Ohio Rev. Code Ann. § 1533.57). It is unlawful for a person to use or
	Regulations prohibit the sale of VMS-susceptible species of fish from the portion of the Lake in the waterheld in the state in the first from the portion of the Lake in the waterheld in the state in other forms of the control of the Lake in the waterheld in the Lake in the Code § 6.3.1]. Tenderston, introduction and sale of VMS-susceptible species of fish out of the Lake Erle waterheld (58 Pz. Code § 69.3.). State law prohibits the sale, purchase, offer for lake Code of the Code of the Lake Code of the C	prohibition on the import/sale of nonnative species. State law prohibits the import, sale, or offer for sale in the state a nonnative injurious tifts, §D no. Stat. and cons. Stat. Anna § ±308, Regulations re sale, purchase, offer for sale or barters specified live species at S8 Pa. Code § 63.46.)	columns B & C would apply. Permission is not required for the importation of tropical fish unless the Commission considers them to be potentially dangerous to native fish species or to man. (58 Pa. Code	Provisions in columns 8 &C would apply.	regulation found. Provisions in columns B & C would apply.	regulation found. Provisions in columns B & C would apply.		requires a permit. (SER 2-Code 9.7.1), Permission requires a permit. (SER 2-Code 9.7.1), Permission required to import the Soliching Biodis-Off fish for socializing pulled in proceeding the process of the pacies on the code of the process of the pacies of the process of the p	possess Goldfish (Carassius auratus), Comets (Carassius auratus), Koi (Cyprinus carpio) and Common carp
Wisconsin	Ann. 3 2077, Pic. Code 9 63. 199 No general provision in prografule of nonative species, tempor permit required for specific purposes (ayus continue) tempor permit required for specific purposes (ayus continue)	wisconsides and have a blaked a prohibition on the importulate of nonnative species. With certain exceptions, no one may promose, transport financy to be blevyl, proposed, transport financy to be blevyl, proposed to the probability of the proposed to the probability of the proba	State regulations case that no permit sequence to import law commented file or the eggs of creating file, values the commental file or the eggs are commented with or commented file or file eggs are commented with or commented file or file eggs, or are rearred for failt, human bodd, or animal treed. (Mr. species, provisions in Column C would apply,	State magnifician state that no powers is executed to import the foreign the important descript to a fixed great part of most processing part, restall foreign descript to a fixed processing part, restall foreign descript to a fixed processing part, restall foreign descript to the fixed for restallar state of the fixed part of the fixe	in Column C would apply.	No specific pathway regulation found. Provisions in Column 6 would apply.	permit is required to import live fish or fish eggs that will be held for the remainder of their lives in fully enclosed buildings solely for purposes of display, education, or research, if they	Apermits ir required to import fish or fish eggs of a specific that is not native by Wiccosin first in continuous projects that is not native by Wiccosin first introducing into where of the state, (w. S. Stat. Ann. § 2-25.75; Wick. Admin. Code ATC*9 \$10.62). This general priemt only admin. Code ATC*9 \$10.62; This general priemt only admin. Code ATC*9 \$10.62; This general priemt only states admin. Admin. Admin. Admin. Admin. Code states admin. Developed the states of the states of the states of the states of the states of the states of the general to far first first age of states (states in required to far first first age of states (states in the states of the states of the states of states of st	The Little requires a built dealers clinates to see Bashfeld, Web. Stat. Ann. § 23.509. Aprents I required to be imped the or findings of a species that from examine the order of the organization of the or
Ontario	No general provision for import/sals of nonnative species in Challet A. Administ is required by transport while label science in the challet of the challet of the challet of the challet of the challet of however, crimin faces, such as appendixma and commercial fabring (seems, see "seemed" to be increase to sell fab.) (Clin. March 1997). The challet of the challet of the challet of the challet page 44-98. 29. 29. Under Challet in Seame 5 Species Act, 11 is liegal to include an automatic species into a tool yet failure where it is territorial to territorial law.	Wis. Admin. Code NR 9 40.02 Ontario does not have a blanket prohibition on the import/sale of nonnative species. The Ontario flowasto Species Act makes it illegal to import, possess, deposit, release, transport, breed/grow, buy, soll, lease or trade prohibited invavie species. It is illegal to import, deposit; release, breed/grow, buy, sell, lease or trade restricted invalve species.	Ontain's aquaculture regulations define "equament road" at the column, buying at the period of the p	No specific gathway regulation found. Provincios in columns 8 & C would apply.	No specific pathway regulation found. Provisions in column 18 & C would apply.	No specific pathway regulation found. Provisions in columns B & C would apply.		An aquaculture license authorites holder to culture, buy, and air children's bits packet specified in the buy, and air children's bits packet specified in the Wildling Conversable A. 1, 1991, O. Reg (64/98, 1. 20), License allows for transport insign factors, 20), License allows for transport insign factors, 20), License (10, 101, 101, 101, 101, 101, 101, 101,	Regulations prohibit ruds, tuberous golv, runs gilv, and refit as batter golv, runs gilv, and refit as batter of collaboration and refit as batter and refit as batter and refit as batter and refit as better

The "regulation respecting apparaulture and the pile of fall" profition for the sale of any spection of the base of any spection of the any spection of any specti