

Prevention Is Key!



AIS Pathways



Consider Relevant Pathways



Education and Regulation



STOP AQUATIC HITCHHIKERS![™]

Prevent the transport of nuisance species.
Clean all recreational equipment.
www.ProtectYourWaters.net

When you leave a body of water:

- Remove any visible mud, plants, fish or animals before transporting equipment.
- Drain water from equipment (boat, motor, trailer, live wells) before transporting.
- Clean and dry anything that comes into contact with water (equipment, clothing, dogs, etc.).
- Never release plants, fish or animals into a body of water unless they came out of that body of water.

Sea Grant
PW 120102

Education



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Sea Grant
PWW 7811-02

AIS Campaigns



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- Preventative Steps

AIS Campaigns

Dispose of bait in the trash

Bait and non-native plants and animals hitchhiking in bait can harm our lakes and rivers.

**PROTECT OUR
WATERS...**



Sea Grant
Great Lakes Network

For more ways to
protect our waters, visit
www.ProtectYourWaters.net

Developed by Illinois-Indiana Sea Grant, Illinois Natural History Survey,
Illinois Department of Natural Resources and U.S. Fish and Wildlife Service. IISG-05-17



- Preventative Steps

AIS Campaigns



TM

Habitattitude™

PROTECT OUR ENVIRONMENT
DO NOT RELEASE FISH AND AQUATIC PLANTS

PIJAC • U.S. FISH & WILDLIFE SERVICE • NOAA'S SEA GRANT

www.Habitattitude.net

Alternatives to Release

- Contact a retailer for proper handling advice or for possible returns
- Give/trade with another aquarist, pond owner, or water gardener
- Donate to a local aquarium society, school, or aquatic business
- Seal aquatic plants in plastic bags and dispose in the trash
- Contact a veterinarian or pet retailer for humane disposal guidance
- Know your state regulations regarding these alternatives



- Preventative Steps

Educational Tools



Educational Tools

HELP STOP AQUATIC HITCHHIKERS!

To avoid spreading aquatic invasive species
BEFORE launching ... BEFORE leaving:

- Remove aquatic plants and aquatic animals.
- Drain lake or river water away from boat ramp.
- Dispose of unwanted live bait in the trash.

It's the Law ... Do Not:

- Transport aquatic plants, oysters, mussels, or other prohibited species at public ramps.
- Launch a boat or place a trailer in the water if it has aquatic plants, oyster mussels, or other prohibited species attached.
- Transport water from infested waters.

Minnesota Department of Natural Resources

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DNR
MISSISSIPPI DEPARTMENT OF NATURAL RESOURCES

PYW TBS1/02



EXOTIC SPECIES ADVISORY

Non-native aquatic invaders may be costly to you and to the environment

Brookline Clam, Hyacinth, Eurasian Watermilfoil, Curly Pondweed

Help Prevent Their Spread!

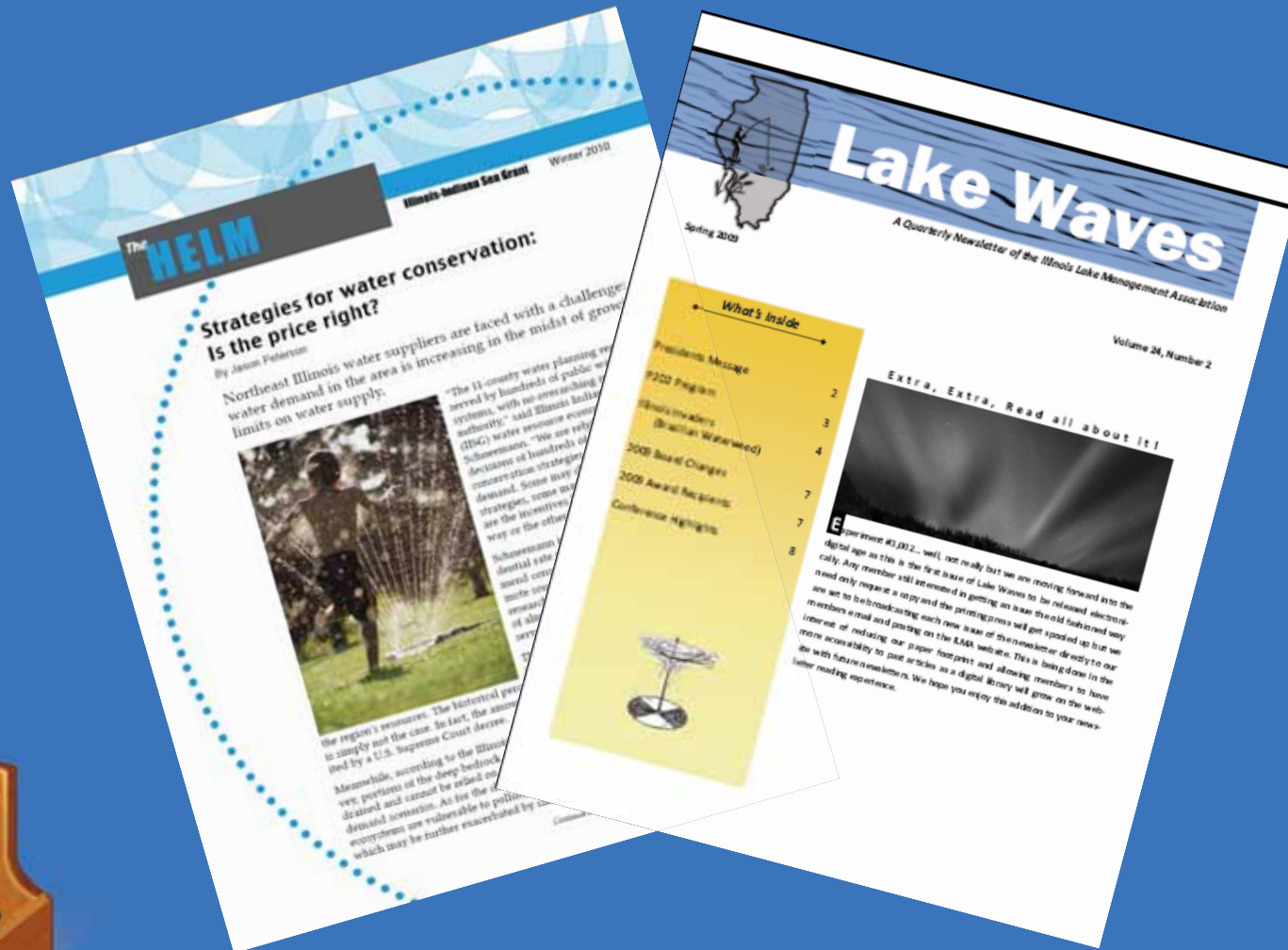
BEFORE leaving launch:	AFTER leaving launch:
Remove plants and animals from equipment.	Dispose of unwanted bait in trash, <u>never</u> in the water.
Drain boat of all lake or river water.	Wash all equipment with 104° F tap water or a high-pressure sprayer, OH .
	Dry equipment for at least 5 days.

BoatUS Foundation, Sea Grant, UAS, RIVER TO RIVER



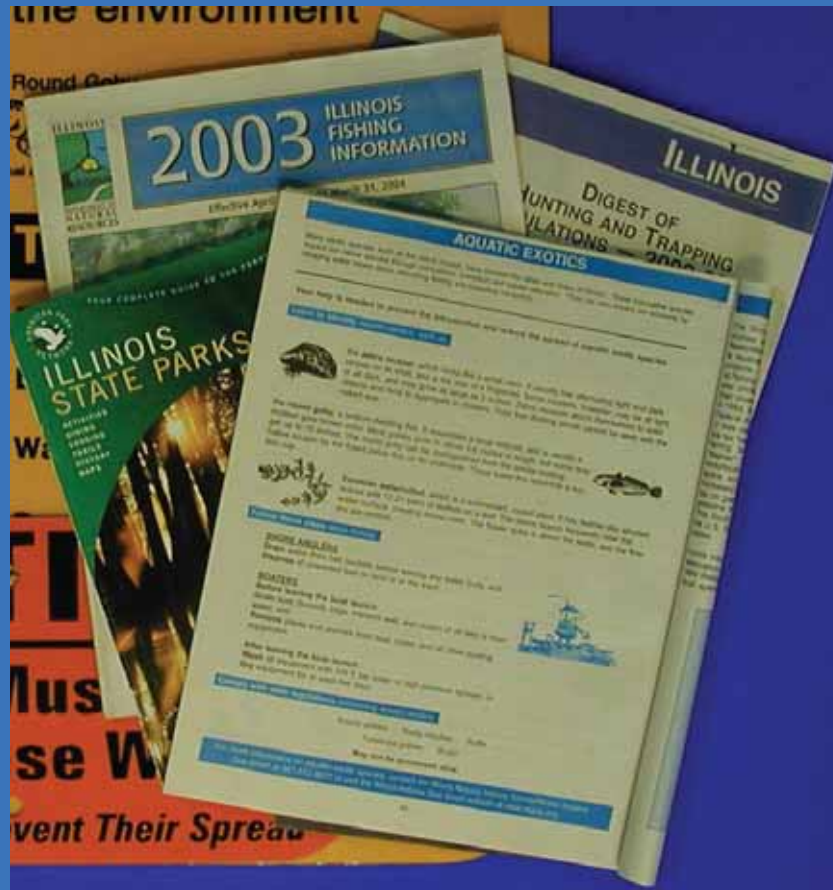
- Boat Ramp Signs

Educational Tools



- Articles in Media--Newsletters

Educational Tools



- Regulation Pamphlets

Educational Tools



Protect Your Waters and Stop Aquatic Hitchhikers!

Welcome to a site for recreational users who want to help stop aquatic nuisance species. As Americans, we love to spend time on the water. Protecting these resources is an important part of our overall enjoyment. A concern we must all address is the spreading of harmful plants, animals and other organisms. These aquatic nuisance species can hitch a ride on our clothing, boats, and items used in the water. When we go to another lake or stream, the nuisance species can be released. And, if the conditions are right, these introduced species can become established and create drastic results.

So what can we do? By following a simple procedure each time we leave the water, we can stop aquatic hitchhikers. Knowing which waters contain nuisance hitchhikers is not as important --- as doing the procedure every time we leave any lake, stream or coastal area. (Click on the links for details on what to do.)

Simple Procedure

- Remove any visible mud, plants, fish or animals before transporting equipment
- Eliminate water from equipment before transporting
- Clean and dry anything that came in contact with water (Boats, trailers, equipment, clothing, dogs, etc.)
- Never release plants, fish or animals into a body of water unless they came out of that body of water.

Become Informed and Take Action!

We can also become more informed about this issue. As recreational users, history has shown we will take action if informed. We will work to protect our environment if we know what to do. This site is designed to help us learn about the aquatic hitchhiker issue. Navigate through this site to get:

- The latest news about this growing problem

Partnership Opportunities

- Current Partners
- Become a Partner

State Info Pages

Select a State

News

Check out the Latest News about the Stop Aquatic Hitchhiker Campaign and the Expanding Aquatic Hitchhiker Problem.

Test your aquatic nuisance species knowledge with the [Who Wants To Be A Fish Biologist](#) game.

Recreational Activities

Bathing, Fishing, Swimming, Waterfowl Hunting, SCUBA Diving or Snorkeling, Windsurfing, Seaplane Operations, Personal Watercraft Use, Recreational Boat Harvesting

Common Hitchhikers

Zebra Mussels, Hydrilla, Whirling Disease, Spiny Water Fleas, Round Gobies, Water Hyacinth

Video Clips

Asian Carp in the Uppoo



- Web site

Educational Tools



- In-Store Materials

Educational Tools

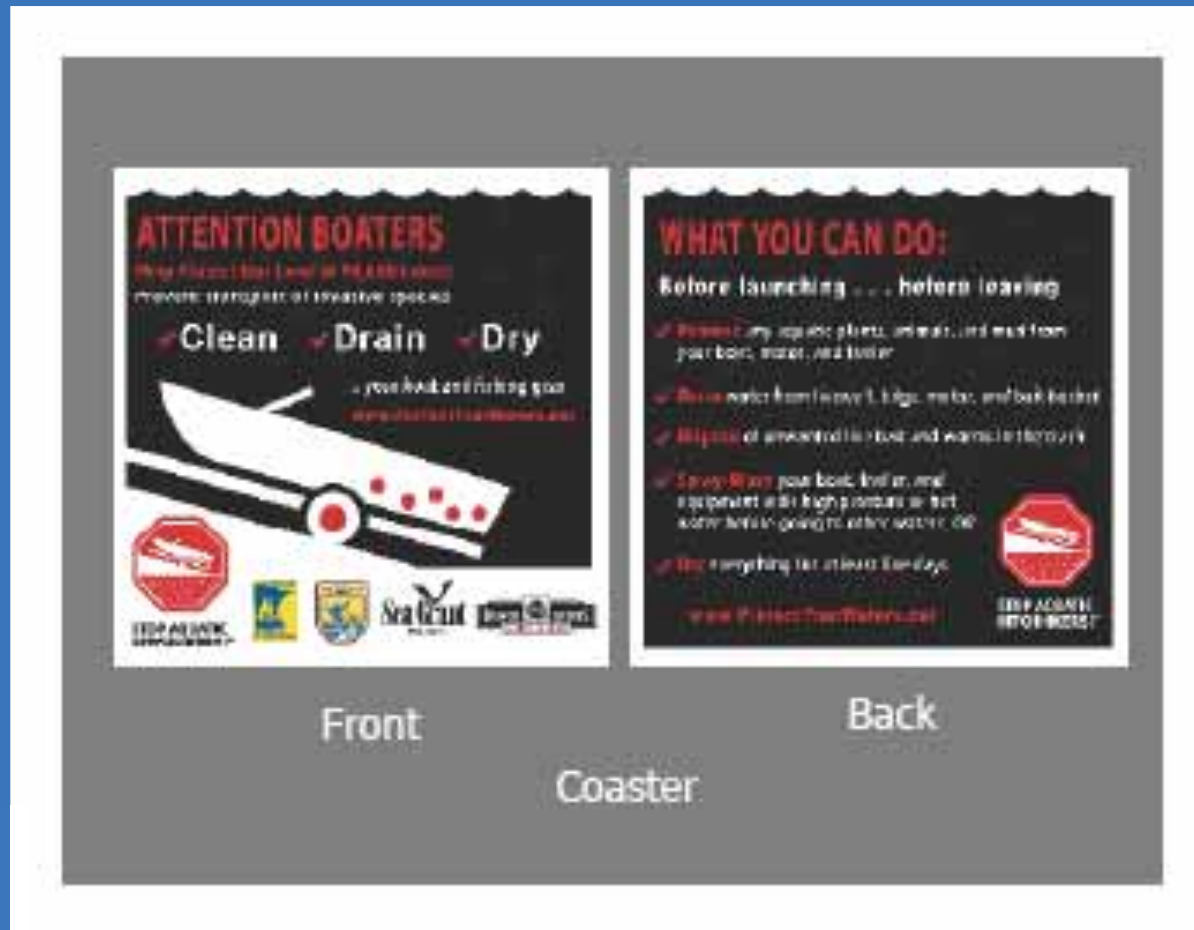


Boat/Trailer Stickers



- Watercraft Inspections

Educational Tools



- Coasters

Regulatory Tools



- Don't Release Any Plants or Animals

AIS Campaigns

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- Don't Dispose of Bait in the Water

Regulatory Tools



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- **Drain Water from All Equipment**

Regulatory Tools



- Prohibit the transport of aquatic plants and animals.

Regulatory Tools

Illinois Register

Department of Natural Resources

Administrative Code 805

TITLE 17: CONSERVATION

CHAPTER I: DEPARTMENT OF NATURAL RESOURCES

SUBCHAPTER b: FISH AND WILDLIFE RESOURCES

PART XXX

INJURIOUS SPECIES

Section 805.10 Definition

Section 805.20 Listing of Injurious Species

Section 805.30 Unlawful Acts

Section 805.40 Penalties

Authority: Implementing and authorized by Sections 1-125, 1-150, 5-10, 10-100 and 20-90 of the Fish and Aquatic Life Code (515 ILCS 5/1-125, 5/1-150, 5/5-10, 5/10-100 and 5/20-90), and Sections 1.4, 1.10, 2.2, 2.3 and 3.22 of the Wildlife Code (520 ILCS 5/1.4, 5/1.10, 5/2.2, 5/2.3 and 5/3.22).

Section 805.10 Definition:

Injurious species^(x) are defined as those species listed in 50 CFR 16.11-15 and any other species determined by the Department of Natural Resources, based upon the potential threat to indigenous wildlife, aquatic life or the habitat. For the purposes of this part, ^(x)injurious species^(x) shall include any live specimens, progeny thereof, viable eggs, or gametes.

Section 805.20 Listing of Injurious Species:

Live Wild Mammals*Flying fox or fruit bat of the genus *Pteropus*. *Mongoose or meerkat of the genera *Atilax*, *Cynictis*, *Helogale*, *Heroestes*, **Ichneumia*, *Munzos*, and *Suricata*. *Any species of European rabbit of the genus *Oryctolagus*. *Any species of Indian wild dog, red dog, or dhole of the genus *Cuon*. *Any species of multimammate rat or mouse of the genus *Mastomys*. *Raccoon dog, *Nyctereutes procyonoides*.

Live Wild Birds Or Their Eggs*Pink starling or rosy pastor, *Sturnus roseus*. *Dioch, *Quelea quelea*, including its black-fronted, red-billed or Sudan subspecies. *Java sparrow, *Padda oryzivora*. *Red-whiskered bul-bul, *Pycnonotus jocosus*. *Eggs of wild nongame birds.



- Possession of Injurious Species Prohibited

Regulatory Tools

AQUATIC LIFE APPROVED SPECIES LIST

Amphibians, Reptiles, Crustaceans, Mussels, Clams, Fish, and Plants Approved in Illinois for the Purpose of Aquaculture. Those species having special requirements are indicated by an asterisk (*).

- Pseudis maculosus maculosus*
- Siren *Siren intermedia nettingi*
- Salamander *Ambystoma laterale*
- Salamander *Ambystoma maculatum*
- Salamander *Ambystoma opacum*
- Salamander *Ambystoma talpoideum*
- Salamander *Ambystoma texanum*
- Salamander *Ambystoma tigrinum tigrinum*
- Salamander *Eurycea bislineata*
- Eurycea lucifuga*
- Eurycea longicauda longicauda*
- Eurycea longicauda melanopleura*
- Plethodon dorsalis dorsalis*
- Plethodon glutinosus glutinosus*

Floodplain Development Permit

Application Information

Permit Number: _____
 Date: _____

Owner: _____
 Telephone(s): _____
 Address: _____

Contractor/Developer: _____
 Telephone(s): _____
 Address: _____

Project Location / Direction / Description: _____

Project Description (check all that apply)

<input type="checkbox"/> Single Family Residential	<input type="checkbox"/> New Construction	<input type="checkbox"/> Canalization
<input type="checkbox"/> Multi-Family Residential	<input type="checkbox"/> Substantial Improvement (-50%)	<input type="checkbox"/> Fill
<input type="checkbox"/> Manufactured Home*	<input type="checkbox"/> Improvement (+50%)	<input type="checkbox"/> Bridge/Culvert
<input type="checkbox"/> Non-Residential**	<input type="checkbox"/> Rehabilitation	<input type="checkbox"/> Levee
<input type="checkbox"/> Subdivision***		

Other / Explanations: _____

* manufactured home anchoring requirements
 ** non-residential structure elevated or floodproofed
 *** subdivision / 5 acre 50 lot criteria

Flood Hazard Date: _____

Flood Development Permit
 Page 1 of 3



- Permits

