

OHIO SEA GRANT AND STONE LABORATORY

Ohio's Clean Marina Program and Aquatic Invasive Species

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Outline

- Ohio Clean Marina and Clean Boating Programs
 - Best Practices, Regulatory Updates and Engagement
- Recreational Boating Industry Groups and AIS
 - Resources
- How To Get Involved
 - Great Lakes AIS Landing Blitz
- Questions



Ohio's Recreational Boating and Working Waterfront Industry

653,136

recreational boaters

20,300+

recreational boating industry jobs

383

Ohio Marinas and Boat Yards

36.3%

of Ohioans go boating at least once/year

\$3.6 billion

in annual recreational boating-related spending





The Ohio Clean Marinas Program



Encourages voluntary, incentive-based participation



Educates marinas & boaters on best management practices



Provides compliance assistance & training workshops



Administers the Ohio Clean Boater Program



Protects 3,965 square miles of water & 312 miles of shoreline



Improves Water Quality and Wildlife Habitat



10 REASONS TO BE
PROUD OF YOUR OHIO

CLEAN MARINAS

1. **KEEP IT CLEAN:** Ohio Clean Marinas help keep oil, fuel, sewage and other contaminants and nutrients out of Ohio's waterways.
2. **HEALTHY HABITATS:** Maintaining high water quality builds healthy habitats for people, fish and wildlife.
3. **MAKE A SPLASH:** Clean water is safer and more desirable for swimming.
4. **WASTE NOT:** Recycling programs and reduced trash and contamination means less waste in landfills.
5. **BE PART OF THE SOLUTION:** Ohio Clean Marinas and responsible boaters help prevent the spread of invasive species and diseases.
6. **IN GOOD COMPANY:** Ohio Clean Marinas attract boaters who appreciate a cleaner environment and follow good boating practices.
7. **KEEP IT MOVING:** Better marina design improves water circulation and reduces the need for dredging.
8. **A GOOD REPUTATION:** Ohio Clean Marinas enhance the positive image of coastal communities and contribute to regional economic prosperity.
9. **SAFER AND SMARTER:** Educated marina staff members follow environmentally sound best management practices.
10. **WIN-WIN:** Everybody wins when we keep Ohio's waterways clean!



ohioseagrant.osu.edu/clean

[Facebook icon](https://www.facebook.com/OhioCleanMarinasCleanBoaters) @OhioCleanMarinasCleanBoaters



The Ohio Clean Marina Program and Ohio Clean Boater Program are implemented with financial assistance provided by the Coastal Zone Management Act of 1972, as amended, administered by the Office of Coastal and Estuarine Management, National Oceanic and Atmospheric Administration, through the NOAA Office of Coastal Management and matched with Ohio Sea Grant College Program funds. Funding for the statewide expansion is provided by the OSU Office of Coastal Management.





**STOP AQUATIC
HITCHHIKERS!**
Be A Good Steward. Clean, Drain, Dry.

Clean Marina BMPs

Good: Provide signage educating your boaters how to Clean, Drain, Dry their vessels.

Better: Provide training workshops educating boaters about aquatic invasive species.

Best: Provide training and an aquatic invasive species wash pad or powerwashing services to boaters. <https://www.wildlife forever.org/store/>





The Ohio Clean Boater Program

go.osu.edu/cleanboaterpledge
go.osu.edu/cleanmarinasyoutube



Voluntary stewardship program to keep Ohio's coastal and inland waterway resources clean



Boaters pledge to follow environmental best management practices



Conduct outreach at recreational boating events & provides training to other educators in the field



10 WAYS TO BE A **CLEAN BOATER**

1. **REDUCE, REUSE, RECYCLE:** Avoid single use plastics and invest in a reusable boat cover.
2. **STOW IT, DON'T THROW IT:** Prevent trash being thrown or blown overboard, including cigarette butts.
3. **FUEL WISELY:** Use best practices when fueling to prevent overflows and increase fuel efficiency.
4. **KEEP IT CLEAN:** Use absorbent pads to clean up oil and gas.
5. **CHECK YOUR ENGINES:** Keep engines and machinery in the working condition to reduce oil leaks.
6. **PLAN AHEAD:** Manage sewage wastes properly and use a pump-out.
7. **GREEN CLEANING:** Use plain water, non-toxic, biodegradable cleaners and non-abrasive pads to wash your vessel.
8. **CLEAN, DRAIN, DRY:** Assure all equipment is free of debris to prevent the spread of invasive species.
9. **MIND YOUR BAIT:** Always dispose of unused bait properly onshore and never dump into the water.
10. **KEEP A CLEAN BILGE:** Use an oil absorbent bilge sock or remove all oil from the bilge before discharging into the water.



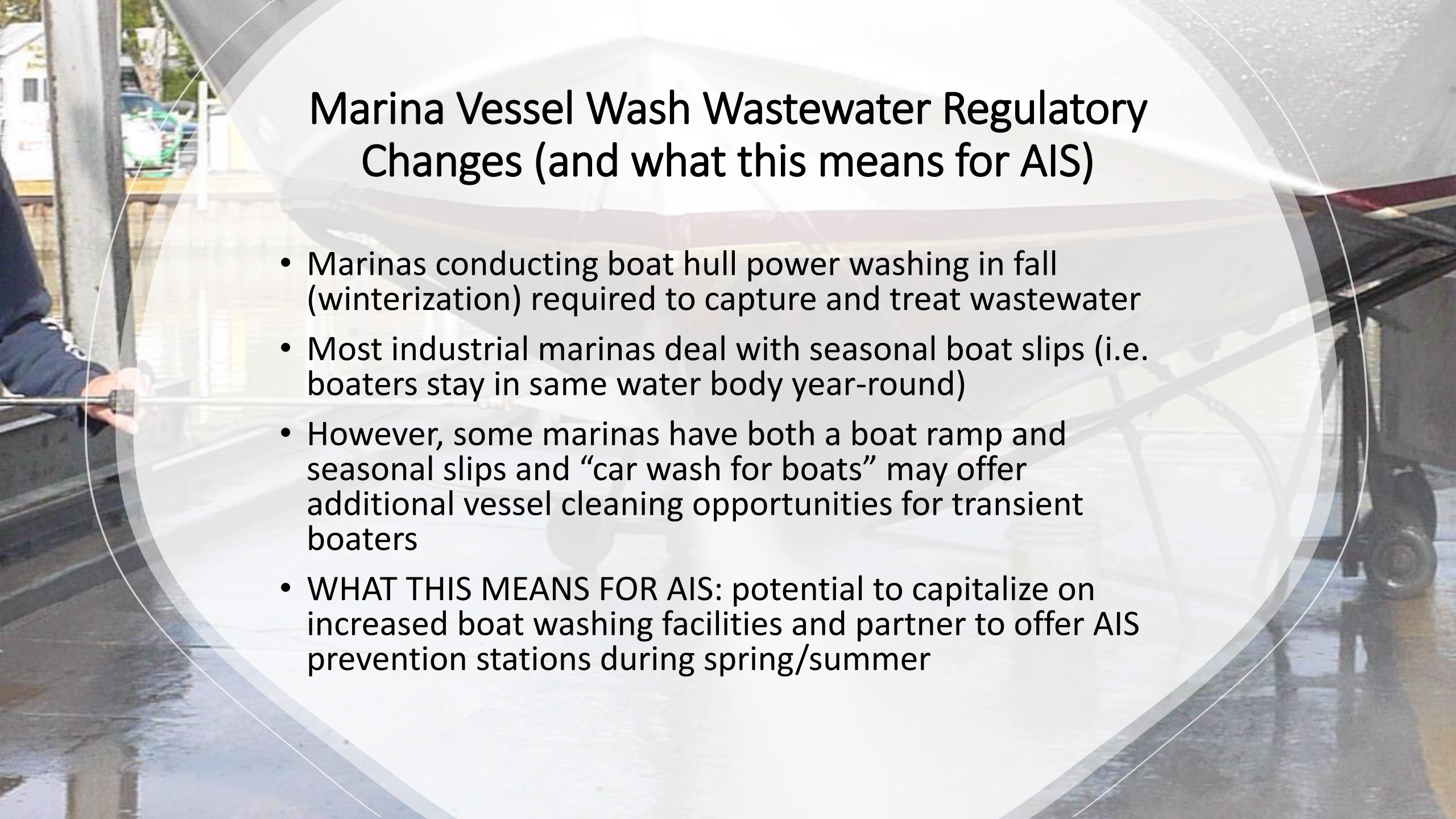
ohioseagrant.osu.edu/clean #OhioCleanMarinasCleanBoaters

The Ohio Clean Boater Program and Ohio Clean Boater Program are implemented with financial assistance provided by the Coastal Zone Management Act of 1972, as amended, administered by the Office of Ocean and Coastal Resources. Boat maintenance programs through the Coastal Zone Management Act of 1972, as amended, and associated with Ohio Sea Grant College Program funds. Funding for the cooperative assistance is provided by the USCG's Program of Marine.

Clean Boater AIS BMPs:

- **Upon leaving water:**
 - Drain all water from boat
 - Remove visible debris
 - Wash boat & all equipment
 - Dry for 5 days
 - Clean & dry all else that came in contact with water (clothes, pets, fishing gear, etc.)
- NEVER transfer bait fish or any plants or animals from one body of water to another





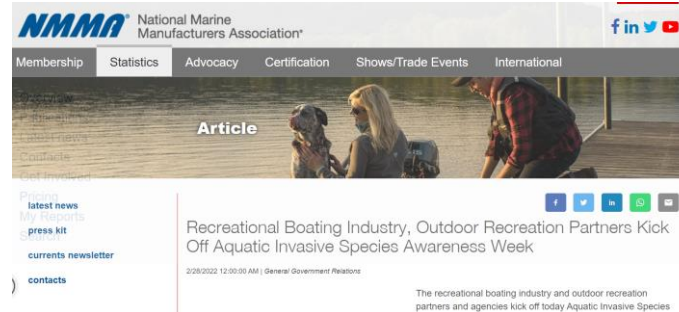
Marina Vessel Wash Wastewater Regulatory Changes (and what this means for AIS)

- Marinas conducting boat hull power washing in fall (winterization) required to capture and treat wastewater
- Most industrial marinas deal with seasonal boat slips (i.e. boaters stay in same water body year-round)
- However, some marinas have both a boat ramp and seasonal slips and “car wash for boats” may offer additional vessel cleaning opportunities for transient boaters
- **WHAT THIS MEANS FOR AIS:** potential to capitalize on increased boat washing facilities and partner to offer AIS prevention stations during spring/summer



Construction and Integration of Aquatic Invasive Species (AIS) Prevention Areas at Recreational Boating Facilities

States Organization for Boating Access

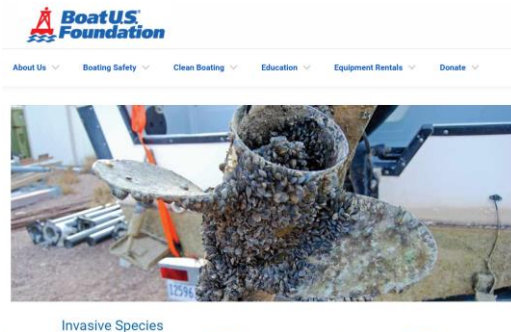


Find Your Boat ▾ Get on the Water ▾ How to Buy ▾ Owning & Operating ▾

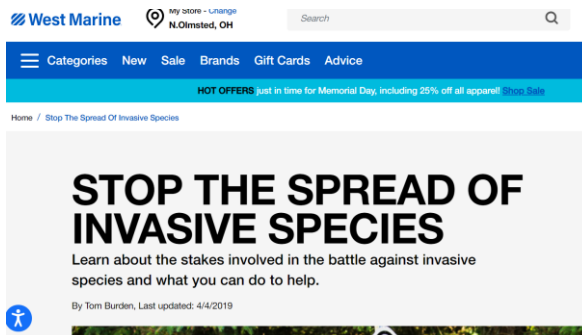


STOP AQUATIC HITCHHIKERS!™

Be A Good Steward. Clean. Drain. Dry.
StopAquaticHitchhikers.org

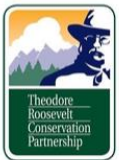


Recreational Boating Industry Groups and AIS



Recreational Boating Industry Groups and AIS

Aquatic Invasive Species Commission



- **National Marine Manufacturers Association and American Boat and Yacht Council** – guidance on boat design to prevent the spread of AIS
- **States Organization for Boating Access** – guidance on building adapting boat ramps for cleaning and decontamination stations
- **West Marine** – retail store, grants, education/outreach partnerships
- **Boat U.S. Foundation** – clean and safe boating education, co-facilitating national industry committee on AIS
- **Discover Boating** – boating engagement and education

Industry Resources

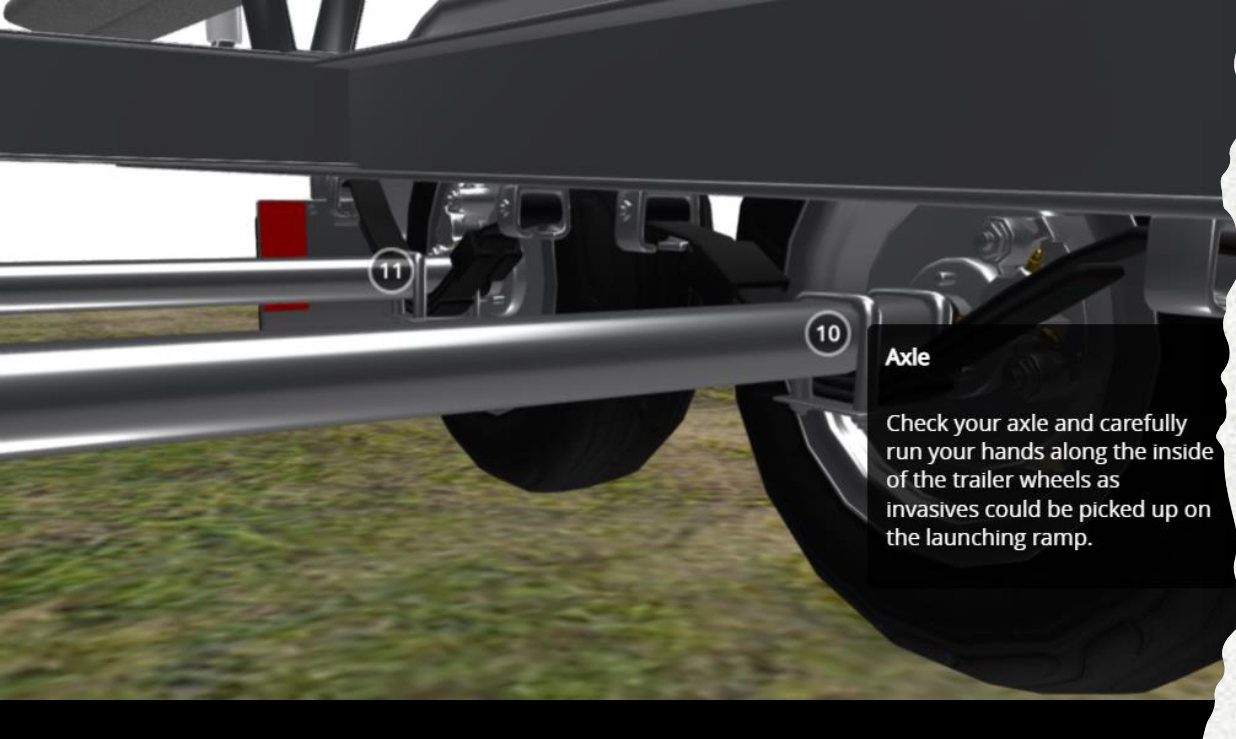
- AIS Commission Report:
<https://www.nmma.org/assets/cabinets/Cabinet585/Aquatic-Invasive-Species-Report-3-28-2023.pdf>

Aquatic Invasive Species Commission



Report and Recommendations:
**Improving the Prevention, Eradication,
Control and Mitigation of
Aquatic Invasive Species (AIS)**

February 2023

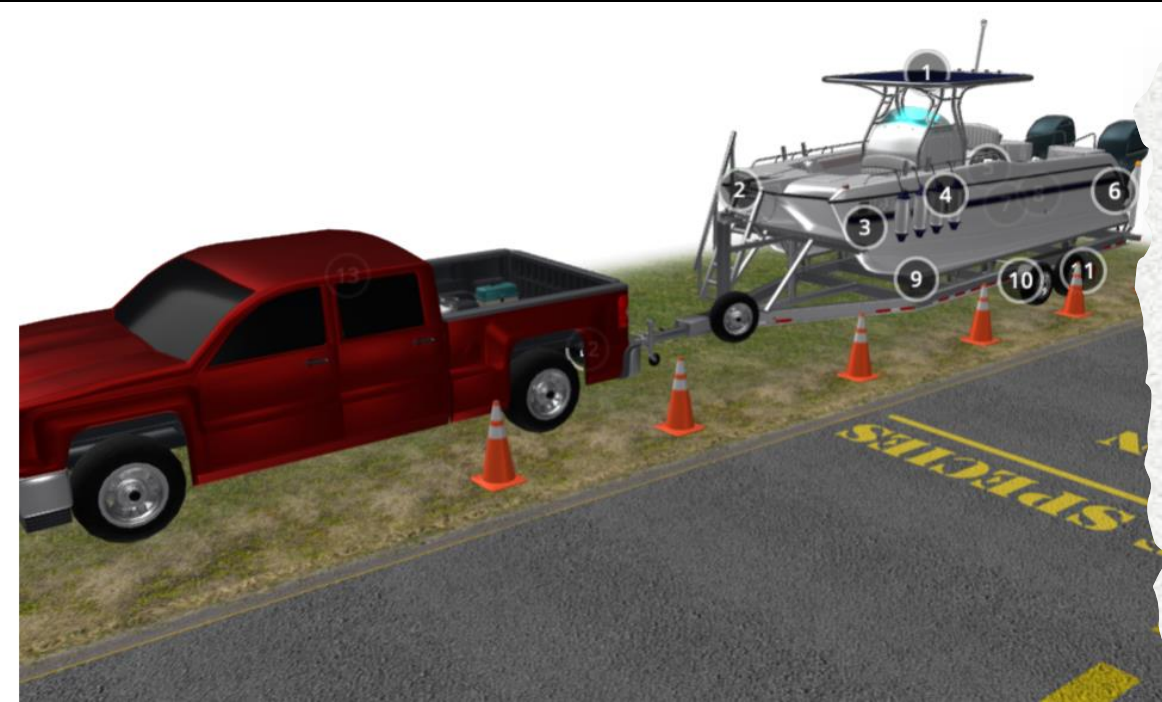


Axle

Check your axle and carefully run your hands along the inside of the trailer wheels as invasives could be picked up on the launching ramp.

Industry Resources

- Boat U.S. Foundation Clean, Drain, Dry 3-D Model - <https://www.boatus.org/clean-boating/ecosystem/invasive-species/>

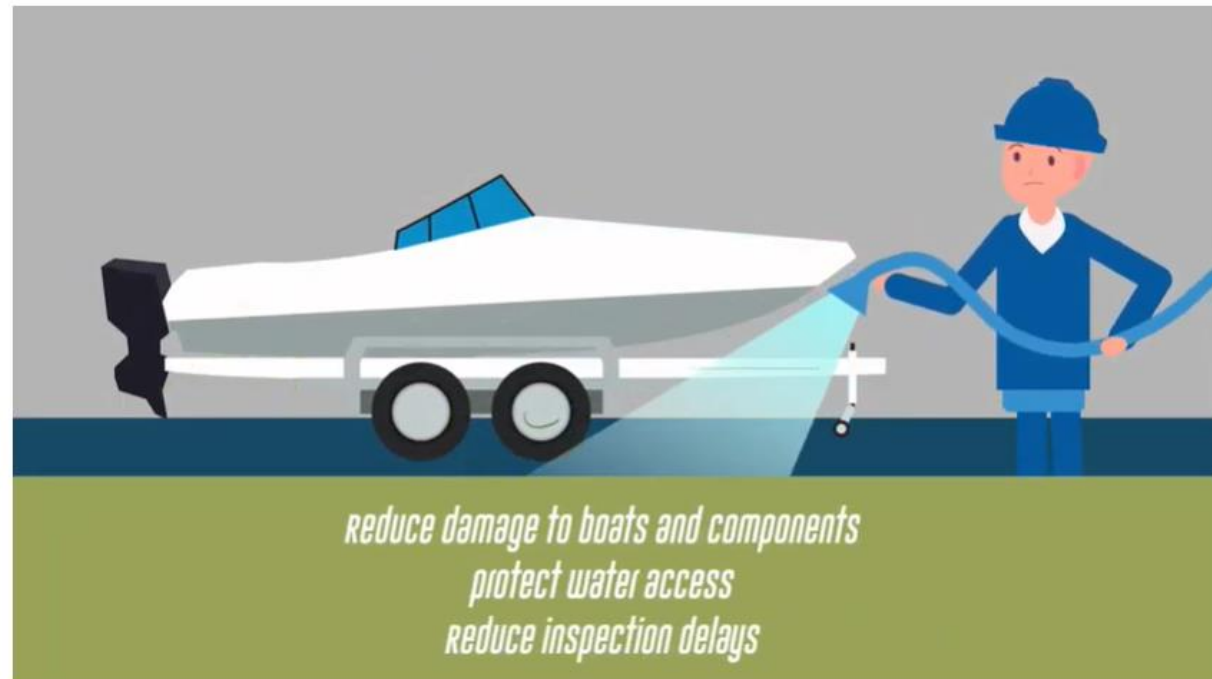


Industry Resources

- ABYC Design Guidance for AIS Prevention - <https://abycinc.org/page/AIS>

Innovative boat designs can help decrease the spread of AIS.

ABYC brings together boating industry leaders and the natural resource community to develop equipment that are easier to inspect and decontaminate, and decrease the risk of spread.



, paintable surfaces are present at the site).



ncil for clean and drain areas at boat ramp

Disposal Bins (garbage, compost) can be placed
near clean and drain areas so that boaters have
a place to put materials removed from their
watercraft when performing any required AIS
prevention activities. Aquatic vegetation,
fuel, oil, bait bucket water, and unwanted bait



Disposal bins and signs adjacent to clean and dry areas
Minnesota and New York



Industry Resources

- SOBA Guidance on Boat Ramps

[https://higherlogicdownload.s3.amazonaws.com/NASBLA/422e2b0d-9c05-43e7-bc08-ba65aae27732/UploadedImages/SOBA/Resources/Publications/Construction Integration AIS Prevention Areas.pdf](https://higherlogicdownload.s3.amazonaws.com/NASBLA/422e2b0d-9c05-43e7-bc08-ba65aae27732/UploadedImages/SOBA/Resources/Publications/Construction%20Integration%20AIS%20Prevention%20Areas.pdf)



The diagram was designed by Minnesota DNR with all of the suggested components for an AIS prevention area based on design and use patterns (MN).

A scenic view of a lake with a dock, boats, cars, and a power plant in the background. The foreground shows a wooden dock with several boats moored, including one with a Mercury outboard motor. In the middle ground, a paved area is filled with cars and people. The background features a large body of water, trees, and a power plant with a cooling tower emitting steam. The sky is blue with scattered clouds.

Ways to Get Involved

Great Lakes AIS Landing Blitz

*Boaters and other recreators learn about the risks of spreading aquatic invasive species (AIS) at public and private boating access sites across the Great Lakes region every summer. The Great Lakes AIS "Landing Blitz" events take place over a two-week period, emphasizing the need to **Clean, Drain, Dry** boats whenever they come out of the water, and **Dispose** of any unwanted bait in the trash.*

<https://www.glc.org/work/blitz>

Great Lakes Aquatic Invasive Species LANDING BLITZ

Great Lakes boaters and anglers experienced a regionwide educational "blitz" encouraging them to clean, drain, and dry their boats and gear, and properly dispose of unwanted bait.

The Great Lakes AIS "Landing Blitz" is a binational multi-agency effort aimed at raising public awareness and promoting actions to prevent the spread of harmful aquatic invasive species (AIS).

In 2020, the two week event brought together hundreds of partners to support education efforts and watercraft inspections to reduce the risk of moving AIS between water bodies. However, due to public health restrictions surrounding the COVID-19 outbreak, many partners were unable to host in-person events, leaving social media and other virtual events as key components of this year's Landing Blitz.



Thousands of people are becoming part of the solution:

Where in-person events were able to be held safely and responsibly,

- Approximately **128,000 people** were educated about AIS by agency staff, watercraft inspectors and volunteers
- Over **1,000 public and private boat landings** in four Great Lakes states and provinces participated in the Landing Blitz in a socially distant manner
- **98%** of participating boat landings also hosted boat inspections, leading to over **110,000 inspections**

As part of Landing Blitz virtual events,

- More than 50 media outlets covered event happenings and **millions of people watched, listened and read about AIS prevention efforts** based on news releases by partner agencies
- More than **830,000 people** saw information about the event on Facebook, Instagram, and/or Twitter, a **746% increase from the 2019 event!**
- Tweets using the official event hashtag, **#GLAISBlitz**, were seen on up to **141,000** different user timelines
- **1,150+** interested people got information about the event through the event webpage at www.glc.org/blitz



For more information and to become a partner visit:
www.glc.org/blitz

Local volunteers partner with state and provincial agencies to deliver consistent messaging about preventing the introduction and spread of AIS from the movement of watercraft and equipment between water bodies. Information on these events, including educational materials, locations and volunteer opportunities are posted on this page as they become available.

June 30 – July 9, 2023

Help Us Put Ohio on the Map!

Ohio Sign Up:

<https://go.osu.edu/2023aisblitz>

- Website with State Event Information
- Locations
- Partners
- How to Prevent the Spread of AIS
- Media Information and State Contacts
- Ohio Clean Marinas Program, Ohio Sea Grant, Ohio Department of Natural Resources partnering to offer guidance, assistance, support where possible

June 30 – July 9





Hosting an Event: Resources for Boat Wash Stations

- Clean Boats, Clean Tournaments
 - YouTube Video: <https://www.youtube.com/watch?v=13FfNNWFyGk>
 - Boat Wash at Fishing Tournament Brochure: <https://publications.aqua.wisc.edu/product/clean-boats-clean-tournaments-how-about-a-boat-wash-station-at-our-tournament/>
 - BMPs to Inspect and Wash Fishing Tournament Boats: <https://publications.aqua.wisc.edu/product/clean-boats-clean-tournaments-best-management-practices-to-inspect-and-wash-fishing-tournament-boats/>

Not Hosting an Event? Support and Promote Ohio's Efforts

- Press releases
- Social Media and YouTube content leading up to, during, and after the event
- Encourage others to get involved

<https://www.glc.org/work/blitz>

Invasive Species Webinar Series

Find the webinar event links at
www.facebook.com/OhioCleanMarinasCleanBoaters/events

July 7 at 10 a.m. EST
What's That? An overview of Aquatic Invasive Animals and Plants in Ohio

July 14 at 10 a.m. EST
Hitchhikers! Tips and Resources on Aquatic Invasive Species

July 21 at 10 a.m. EST
Get about the Plants! Terrestrial Invasive Plants in Ohio

July 28 at 10 a.m. EST
Citizen Scientist: Invasives of Concern in Ohio and How you Can Help

Aug 4 at 10 a.m. EST
Terrestrial Invasive Animals: Spotlight on Wild Boar

Visit <https://www.youtube.com/TheOhioDNR> to watch the recordings.



How do we involve marinas and boaters in helping to protect our water resources?

Make it easy
to do the right
thing

Find a
“champion” –
peer pressure
works!

Send the
message
HOME

Thank You!

Contact

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@OhioCleanMarinasCleanBoaters



Find Out More

ohioseagrant.osu.edu/clean

<https://ohiodnr.gov/discover-and-learn/land-water/clean-marinas>

go.osu.edu/CleanMarinasYouTube

glcleanmarina.org

<https://go.osu.edu/cmairs>

OHIO CLEAN MARINAS PROGRAM ACKNOWLEDGEMENTS

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