

Ohio's Boat Cleaning and Inspection BMP's

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Ohio's Boat Cleaning and Inspection BMP's

- ✓ Currently, Ohio has no AIS related boat cleaning regulations
- ✓ Ohio Sea Grant promotes BMP's to variety of stakeholders through the Stop Aquatic Hitchhikers! campaign
 - ✓ Charter Captains
 - ✓ Tournament Anglers
 - ✓ Recreational Boaters/Fishers
 - ✓ Clean Marinas





**STOP AQUATIC
HITCHHIKERS!**

How Does Boat Washing Fit?

**Voluntary Guidelines to Prevent the Spread of Aquatic Invasive
Species Through Recreational Activities
November 2012**

Purpose of guidelines:

- ✓ **Consistent, practical, and effective guidance to communication and outreach efforts**
- ✓ **Take into account key pathways, vectors, and life history of all AIS, including fish, aquatic plants, invertebrates and pathogens**
- ✓ **Support, not supersede local, state or tribal laws**
- ✓ **Promote voluntary actions to support the national *Stop Aquatic Hitchhikers!* campaign as well as *Clean Marinas* campaign**





How Does Boat Washing Fit?

Voluntary Guidelines to Prevent the Spread of Aquatic Invasive Species Through Recreational Activities

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Rinsing Versus Decontamination

- ✓ A key concept for recreational equipment rinsing/washing compared to decontamination is that the effectiveness of the treatment depends on the recreation activity and the type of AIS.

Bottom Line:

- ✓ Not all watercraft need to be rinsed or washed
- ✓ Rinsing, flushing or high pressure washing *removes* them, while hot water *kills* AIS





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Day Users

“One Lake – One Day”

- ✓ **Inspect** and clean off any aquatic plants, animals, and mud from watercraft, motor and trailer *before leaving a water access*
- ✓ **Dispose** of unwanted bait, worms, and fish parts in the trash¹
- ✓ **Drain** motor, bilge, livewell and water containing devices²
- ✓ **Flush** motor according to owner’s manual
- ✓ **Spray/rinse** watercraft, trailer and equipment with high pressure hot water **AND/OR**
- ✓ **Dry** everything for more than 5 days or **wipe** with a towel *before reuse.*



Where to look for aquatic nuisance species:

Bait buckets and live wells

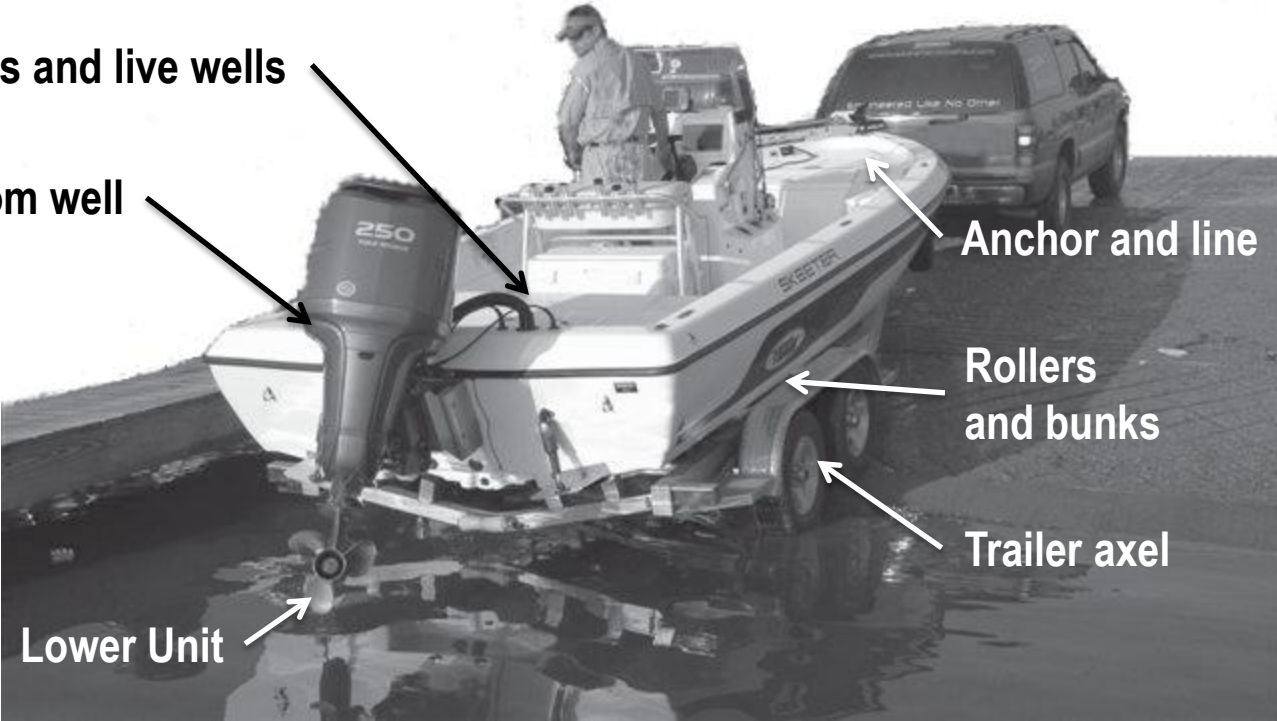
Transom well

Anchor and line

Rollers and bunks

Trailer axel

Lower Unit





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Moored On Water “More Than a Day”

Follow recommended decontamination methods, especially if left in the water for *more than a day* on invasive mussel infested waters:

- ✓ **Spray/rinse** hull and other external areas or recreational equipment with high pressure (2,500 psi) hot water (140°F for 10 sec)
- ✓ **Rinse/flush** motors with hot water (120°F) for 2 minutes
- ✓ **Rinse/flush** interior compartments with hot water (120°F)

Young invasive mussel settlers are difficult to see with the unaided eye, but on smooth surfaces they feel like sandpaper.





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Summary

- ✓ Recommended actions for day users are: ***inspect/clean off, dispose, drain, rinse*** (with low pressure, hot as possible) and ***dry*** for more than five days.
- ✓ For recreational equipment left in zebra mussel infested waters for more than a day, do all of the above, except use high pressure, hot water for exterior surfaces, and low pressure hot water for interior components.



Boat Washing at Ohio Marinas

- ✓ **Boat bottom pressure washing conducted at larger marinas may be classified as an industrial activity and the facility must comply with the Ohio EPA requirement for wastewater discharges:**
 - **Wash water must not be discharged to surface waters or a storm sewer system if:**
 - **Detergents or chemical cleaning agents are used**
 - **The water is from the cleaning of engines or other oily parts**
 - **See http://epa.ohio.gov/dsw/permits/GP_Marinas.aspx for more information**



Clean Marinas Guide AIS BMP Examples

- ✓ Signage
- ✓ Pamphlets/Newsletters/Inserts
- ✓ Host Clean Boats, Clean Waters volunteer
- ✓ Provide Trash Receptacles
- ✓ Provide High Pressure/Hot Water Washer
- ✓ Provide Oil Absorbent Materials at Wash Station

Questions?

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