

CLEAN•DRAIN•DRY

Paddled Craft & Gear Decontamination Kit Materials

For Decontamination

- Hand towels
- Scrub brush
- Boot brush
- Lint roller
- Bleach wipes
- Spray bottle with diluted bleach solution (dated) OR with undiluted white vinegar

For Personal Protection

- Gloves
- Eye wash
- Safety glasses
- Apron

Bleach Solution Directions:

1. In a 16 oz. spray bottle, add 3 mL of chlorine bleach (8.25% typical to Chlorox) and top off with water. Use within 24 hours or dispose of down the drain. Write the date on your bottle! Allow at least 10 minutes for solution contact with gear.
2. Undiluted vinegar can also be used, however it is most effective when applied generously with a sponge.
3. Virkon Aquatic is a concentrated disinfectant recommended for killing New Zealand mudsnails. Dilute 20g/L of water, allow 20 minutes for contact time, and make a note that solution will degrade in 7 days once mixed.

First, inspect your gear and clear away obvious debris (away from water's edge) following water recreation. Wipe out "muck." Follow with sponging or spraying down with *decontamination solution* – wait 10 minutes—towel off!



Photo: Huron River Watershed Council

Equipment	Decontamination Method by Risk Level for Aquatic Activities and Equipment			Equipment Needed	Estimated Time
	Low	Medium	High		
Waders	Visually inspect. Remove mud and debris before leaving and upon entering a new site. Rinse and dry.	Follow steps for low risk. Clean with pressure washer.	Follow steps for medium risk. When possible, dry waders for > 5 days before using at new site. If not possible, disinfect with bleach solution or hot water pressure wash (140°F/60°C for <u>10 second contact time</u>)	Scrub brush, rinse water, towels, heated pressure washer, pressure washer or pump sprayer; bleach solution: ½ cup [4 oz] bleach to 5 gallons of water <u>10 minutes contact time</u>	5-15 minutes (or 5 days dry time)
Boats and Trailers	Inspect and clean exterior surfaces, removing visible vegetation, dirt and debris. Drain bilge, live wells, etc.	Follow steps for low risk. Flush motor cooling system. Hot water pressure wash (140°F/60°C for <u>10 second contact time</u>) or spray with bleach solution. Or, if possible, dry equipment and gear for > 5 days before using at new site.	Follow steps for medium risk. Hot water pressure wash (140°F/60°C for <u>10 second contact time</u>) or spray with bleach solution. Or, if possible, dry equipment and gear for > 5 days before using at new site.	Brush, motor flusher, pressure washer, towels; bleach solution: ½ cup [4 oz] bleach to 5 gallons of water <u>10 minutes contact time</u>	10-45 minutes (or 5 days dry time)
Portable Pumps	Inspect and clean exterior surfaces, removing visible vegetation, dirt and debris. Drain.	Follow steps for low risk. Clean, pressure wash, drain, and dry. Whenever possible, avoid moving pumps unless they can be dried for <u>≥5 days</u> .	Follow steps for low risk. Clean, pressure wash, drain, and dry. Whenever possible, avoid moving pumps unless they can be dried for <u>≥5 days</u> .	Brush, pressure washer or pump sprayer	10-20 minutes (or 5 days dry time)
Sampling Gear (nets, traps, etc.)	Inspect and clean exterior surfaces, removing visible vegetation, dirt and debris.	Follow steps for low risk. Spray with pressure washer to clean.	Follow steps for medium risk. Disinfect aquatic equipment and gear with bleach solution before entering new waterbodies, hot water pressure wash, or dry for >5 days	Brush, heated pressure washer, pressure washer or pump sprayer; bleach solution: ½ cup [4 oz] bleach to 5 gallons of water <u>10 minutes contact time</u>	10-20 minutes (or 5 days dry time)

Table from Michigan Department of Environmental Quality: Depending on the proximity you were to invasive species, type of species, and interaction with the environment, you may want to consider a range of decontamination options. Some are dependent on mechanical resources. Always take safety precautions when handling disinfection solutions, and dispose of wastewater and cleaning products down a sewage drain.



Thanks for helping us steward our water resources!
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