PROTECT OUR WATERS FROM AQUATIC INVASIVE SPECIES

Inspection and Cleaning Guidelines

Dock & Lift • Watercraft • Trailers • Pontoons • Waterski Boats • Jet Skis Kayaks, Canoes & Stand Up Paddle Boards • Sail Boats • Float Planes

Dive Gear • Hunting Gear • Fishing Gear



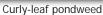
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Safeguarding Minnesota's Waters

Over the past 30 years, we have seen Aquatic Invasive Species (AIS) move into our lakes and rivers. Our water bodies are currently infested with the species below, and more threats are on the horizon. If we are not vigilant about keeping Aquatic Invasive Species out, we might find ourselves with lakes and streams that do not provide the food, recreation, or aesthetic opportunities that Minnesota is historically known for providing residents and visitors. Where we live and work, the places we vacation, our recreational activities, how we relax and play with our kids, are all being affected nationally by the spread of Aquatic Invasive Species. Minnesota is the "Land of 10,000 Lakes"!

The key to this is YOU...and the public's ability to "Clean, Drain, and Dry" their watercraft and equipment so as not to move these Aquatic Invasive Species around Minnesota and the Upper Midwest United States.







Zebra mussels



Flowering rush



Starry stonewart



Faucet snails



Spiny waterflea



Eurasian watermilfoil



Silver asian carp



Hydrilla



Rusty crayfish



Viral hemorrhagic septicemia



For More Information Visit: www.protectyourwaters.net
For Information on MN AIS Laws Visit:
www.dnr.state.mn.us/invasives/laws.html



Mussel Threat

Invasive mussels are a problem because they form dense, destructive colonies that encrust almost any underwater surface. Irrigation pipes, watercraft hulls, and boat engines are just a few common targets. Zebra and Quagga mussels reproduce quickly. An adult female mussel can produce up to a million eggs each year. Newly hatched mussels (called "veligers") are invisible to see in water and will easily latch onto almost any surface (such as your boat) in the water. Adult mussels can live for up to 30 days in water that collects in boats, equipment, or damp environments. They can also live for many days out of water; they simply clam up! Veligers can live up to 27 days in standing water in boats without a food source See **www.100thmeridian.org** for information. When leaving known infested waters, all boats with air conditioning, personal sanitation, wash down systems and ballast tanks should be thermally decontaminated at a MN DNR approved boat/equipment decontamination facility as water is difficult to completely drain from these systems and cannot air dry. As boaters and anglers visit other uninfested lakes, live mussels may travel with them and spread to these new waters.







Potential Damage

Large colonies of this invasive mussel already infest many popular recreational lakes in Minnesota. Further spread into other Minnesota water bodies could:

- **Destroy your favorite fisheries.** Invasive mussels have decimated fisheries by consuming critical plankton, collapsing food webs and "cleaning" the water of vital nutrients and plankton.
- Pollute shorelines and recreational areas. Mussels have razor-sharp shells that wash up on shorelines and beaches, resulting in cut feet (pets too). Decaying mussels have a nasty stench and can cause human health hazards.
- Ruin your boat and equipment. Mussels will grow all over your boat and motor, including the lower unit, intake valves, cooling systems, and through-hull fittings. They will cause motors to overheat leaving you with high repair costs.
- Cost millions of dollars to control, contain and eradicate. It could cost tens of millions of dollars to remove zebra mussels from critical water and power facilities and infrastructure in Minnesota. Those costs will most likely result in higher utility bills and /or taxes for mussel eradication and containment, not to mention increasing maintenance costs that may be passed on to the public.

For Information on MN AIS Laws Visit: www.dnr.state.mn.us/invasives/laws.html Also visit: www.100thmeridian.org



Starry Stonewort

What is starry stonewort?

Starry stonewort is a grass-like form of algae that is not native to North America. The plant was first confirmed in Minnesota in Lake Koronis in late August of 2015. Plant fragments were probably brought into the state on a trailered watercraft from infested waters in another state.



How does it spread? Starry stonewort is believed to be spread from one body of water to another by the unintentional transfer of bulbils, the star-like structures produced by the plant. These fragments are most likely attached to trailered boats, personal watercraft, docks, boat lifts, anchors or any other waterrelated equipment that was not



properly cleaned.

- How to identify starry stonewort Starry stonewort is similar in appearance to native grass-like algae such as other stoneworts and musk-grass. Native stoneworts and musk-grass are both commonly found in Minnesota waters. Starry stonewort can be distinguished from other grass-like algae by the presence of star-shaped bulbils. It is grass-like with a smooth green stem, whorled branchlets, and characteristic star-shaped bulbils produced on colorless, clear rhizoids. It can produce dense mats that may displace native aquatic plants and interfere with fish spawning and recreation.
- Why is starry stonewort a problem? Starry stonewort can interfere with recreational and other uses of lakes where it can produce dense mats at the water's surface. These mats are similar to, but can be more extensive than, those produced by native vegetation. Dense starry stonewort mats may displace native aquatic plants. Like all plants, starry stonewort may grow differently in different lakes, depending on many factors. At this time, we cannot predict how it might grow in any one Minnesota lake.



Basic Inspection and Cleaning Checklist

To help stop the accidental spread of Aquatic Invasive Species (AIS), the most effective ways to kill AIS are by drying, or freezing, or using a MN DNR approved boat washing facility. Take the following actions with your boat and equipment after you exit the water and before you enter a new water recreation area:

- 1. Remove the boat from the water and move away from the launch ramp to clean, inspect and drain your boat, trailer, and wet equipment.
- CLEAN off (remove) all plants, debris, mud, or animals from boat, trailer, and wet equipment. Use a brush if necessary. Scrub hull of watercraft using a stiff brush.
- 3. INSPECT all exposed surfaces on your boat and trailer and wet equipment. AIS (seeds, spores, plant shards, veligers, mussels, animals) frequently collect in cracks and crevices on equipment. Take special care to inspect your trailer's tires, rims, fender wells, bumpers, axles, support rollers, and other places that could hide AIS. Carefully feel your boat's hull for any rough or gritty spots, which may be young mussels that have settled on your boat and cannot be seen. Microscopic Quagga/ Zebra mussels will feel like sandpaper or sesame seeds.
- 4. DRAIN all water from your boat (pull all plugs) and wet equipment to prepare it for drying. Make sure water circulation systems (pumps, hoses) or containers (coolers, sample containers) are drained, including motor cooling systems, ballasts, livewells, bilges, and all internal pipes or lines where water has traveled. There are many places inside a motor that retain water even after draining. The best solution to date is to dry according to the 100th Meridian dry time standards or freeze over winter. For your boat motor, let the lower unit down for 1 minute, so water in it drains out (raise the lower unit before driving away to avoid damage), since its low operating temperature is suitable for mussel survival. Keep in mind that when a boat is launched and the motor started, it discharges retained water into the new water body, so draining is critically important.
- 5. DRY boat/equipment completely, ideally in the sun on a hot day, until "bone dry" to kill undetected AIS. Some AIS species can live out of the water for as long as 30 days. Don't forget about anchors, ropes, life jackets, nets, water skis, clothing, footwear or other items that have been in the water. See chart below for dry times to kill most AIS species.

These are **minimum** recommendations under the best drying circumstances in the open air, in full sun, and with all hatches open.

Time of Year for Minnesota
Summer: July & August (80°F-100°F)
Early Summer & Early Fall: June & September (60°F-80°F)
Late Spring & Early Fall: May & October (40°F-60°F)
Winter

Dry Time - Consecutive Days* 7+ days

21+ days

30+ days OR Freezing for 3 days (72 Hours)

**ADD 7 drying days when humidity is over 50% when temperatures are between 32°F and 95°F.

6. Instead of drying, you can use a MN DNR-approved boat washing service location to apply hot water (140°F) to wash your boat and trailer and to flush your motor, bilge, ballast, and livewells before launching to another waterbody. Contact the MN Department of Natural Resources for approved boat washing service locations or for more information at: www.mndnr.gov

General Inspection and Cleaning

Boat Exterior: Entire hull, floor, transom walls, ballast tanks, ropes and lines, anchors, lights, pitot tube, depth sounders, trim tabs, cavitation plates, thru-hull fittings, depth transducers, water intakes and outlets.

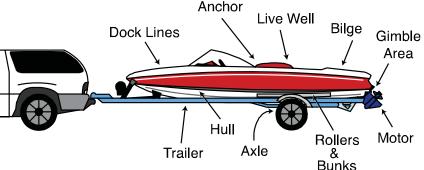
Motor: Entire exterior housing, propeller, propeller shaft, propeller shaft support, propeller guards, Propulsion units, lower unit, gimbal area, water intakes and outlets.

Equipment and Contents: All fishing nets and other fishing equipment, lines and ropes, float belts, life jackets, float cushions, water skis and tow ropes, ski gloves, equipment lockers, waterfowl decoys and camouflage blinds, clothing and footwear, floats, fenders, dock guards, inner tubes and other inflatable items, downriggers and other fishing equipment, bait containers/buckets and live wells, trolling motors, and internal ballast tanks.

Trailer: Trailer frame, axles, license plate and holders, lights and wiring, fenders, hangers, trailer tires and wheels, rollers and bunks, wiring, springs, pockets and hollow spaces.

Go here to watch a video on how to clean your boat





All boats and trailers should be cleaned, drained and dried!







Photos Utah State Parks & California
Department of Fish and Game

Drain the engine, dry the motor well, check the prop and system components, clean trolling motors, make sure everything is drained and dried. Remove all aquatic plants.

- 1. Completely drain all water from the motor cooling system. This is exactly the same as draining the motor at the end of boating season to prevent freezing in the engine cooling system. Failure to do this can result in mussels growing inside the engine block and in the lines carrying cooling water to and from the motor. The consequences can be overheating, resulting in serious damage to the motor, in addition to transporting the mussels to the next body of water.
- 2. Some Inboard and stern-drive motors can only be drained using special equipment and procedures. Follow the motor manufacturers instructions or obtain the services of a qualified service technician.
- Be sure to check the trailer for aquatic plants and other areas on the boat like bow lights.



Trailered boats are the primary way that Aquatic Invasive Species are introduced to unconnected water bodies.

DNR Designated Infested Waters List: http://www.dnr.state.mn.us/invasives/ais/infested.html

Pontoons and House Boats

- 1. Complete the Basic Inspection and Cleaning checklist.
- 2. Completely drain and dry all water systems that use lake/river water, including your air conditioning, personal sanitation, and washdown systems. Note: sewage must be disposed of at a pump-out facility or dump station. The longer your boat has been in the water, the more likely the chance that these systems have been contaminated.
- 3. Take special care to protect system components including water supply and discharge lines, filter screens, pumps, valves, and associated parts. Small passages in the air conditioning radiator core are highly susceptible to being plugged by mussels.



Boats that are slipped and moored on infested waters run a greater risk of having zebra mussels attached.

weather

Utah State Parks

Water Ski and **Wake Board Boats**

- 1. Complete the Basic Inspection and Cleaning checklist.
- 2. Drain water from every internal ballast tank system. Thermal decontamination is best, but be sure to protect heat-sensitive parts.
- 3. Resume normal ballast system operation when you go boating again. Be sure to winterize the boat when boating season ends.



Southern California Marine Association

Ski boat covers open.





Ballast system water pump, water lines, and caps should all be flushed and cleaned.





Trim tabs on transom.

Remember to clean your ski gear as well. Dry ropes, life jackets, wet suits, skis and tubes between use.

Jet Skis / Personal Watercraft

- While still in the water, avoid running the engine through aquatic plants near the boat access. After the engine has stopped, turn the watercraft over and pull plants from the water-intake area (this may be easier than crawling under the watercraft while trailered to check for plants). Check the edges of the grate over the water-intake area.
- 2. Remove the watercraft from the water and away from the launch ramp.
- 3. Complete the Basic Inspection and Cleaning checklist.
- 4. Start and run the engine for 5 to 10 seconds, to blow out any excess water contaminants and vegetation from the underbody jet drive system (the dark, damp closed area of the impeller provides an ideal environment for exotic plants and animals to survive).
- 5. Stop the engine, and remove all plants, mud, and other contaminants out of the steering nozzle and the rest of the hull.
- Check underneath the watercraft for plants and mud, especially the water intake area (including the edges of the intake grate).
- 7. Dry any pockets that may be wet or holding water.
- 8. Drain water from ballasts.
- **9. Inspect your trailer and any other sporting equipment** (ropes, tubes, wet suits, life vests) for aquatic plants and mud, and remove before you leave the access.



Photo Utah State Parks

Kayaks, Canoes, and Stand Up Paddle Boards

- 1. Complete the Basic Inspection and Cleaning checklist.
- 2. Inspect and clean any components that apply specifically to the craft, gear, paddles, floats, ropes, anchors, dip nets, and trailer before leaving water access.
- 3. Scrub exterior watercraft surface using a stiff brush.
- 4. Rinse exterior of boat, and trailer, with high pressure, hot (140°F) water.
- 5. **Drain** water from Watercraft, sponges, bailers, and water containing devices.
- Allow the craft to dry thoroughly, ideally in the sun on a hot day (7-30 days depending upon temperature and humidity) until bone dry with all hatches open before using it in any other water body.
- 7. Completely dry inflatables and other recreational items before storing.

TIP: Wear guick-dry footwear or bring a second pair of footwear with you when portaging between water bodies.

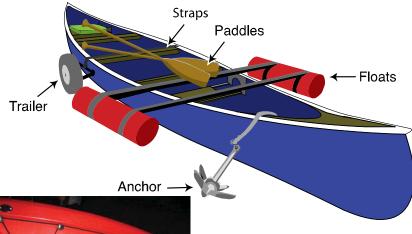


Photo California State Parks

Kayaks, canoes and all inflatables need to be cleaned, drained, and dried.

Any equipment that goes into the water needs to be inspected and cleaned.



Photo California Department of Fish and Game

Sailboats

- 1. Complete the Basic Inspection and Cleaning checklist. Give special attention to the centerboard, bilge board wells, rudderpost, transom, keel, fittings, trailer, and other equipment before leaving the water access.
- 2. Drain water from craft, sponges, bailers, air conditioning, personal sanitation, wash-down systems, and other water containing devices. The longer your boat has been in the water, the more likely the chance that these systems have been contaminated. Note: sewage must be disposed of at a pump-out facility or dump station.
- **3. Scrub** exterior watercraft surface using a stiff brush.
- 4. Rinse exterior of boat, and trailer, with high pressure, hot (140°F) water.
- 5. Allow the craft to dry thoroughly, ideally in the sun on a hot day (7-30 days depending upon temperature and humidity) until bone dry with all hatches open, before using it in any other water body.
- **6.** Take special care to inspect and thoroughly dry system components including water supply and discharge lines, filter screens, pumps, valves, and associated parts. Small passages in the air conditioning radiator core are highly susceptible to being plugged by mussels.

 Boats that are slipped and moored at infested



Jeff Peltier



Pelican Lake Yacht Club, Jeff Peltier



waters run greater risk of having young and adult mussels. Boaters should check their boats for mussels and vegetation that could carry mussels.

Jeff Peltier

Float Planes

1. Before entering the aircraft:

- Inspect and clean off aquatic plants, mud, or attached mussels, snails or other animals from all exterior surfaces of floats, wires or cables, and water rudders. Also, check the dock lines, transom, bottom, chine, wheel wells, and float step area. Scrub with a stiff brush. Rinse landing gear with high pressure, hot (140°F) water.
- Pump water from floats, holes, wheel wells and any other compartments or areas that contain water before takeoff. Always cycle the wheels and rudder before leaving the dock and again after taxing into open water.

2. Before take-off check:

- Avoid taxing through heavy surface growths of aquatic plants before takeoff; Re-inspect for any visual sign of aquatic vegetation. If your aircraft must taxi through areas of weed/plant beds to reach open water, you will likely need to manually clear plants a second time off of the floats, cables, or water rudders.
- Raise and lower water rudders several times to remove any attached plants.
- Make sure all floats remain as dry internally as possible during takeoff

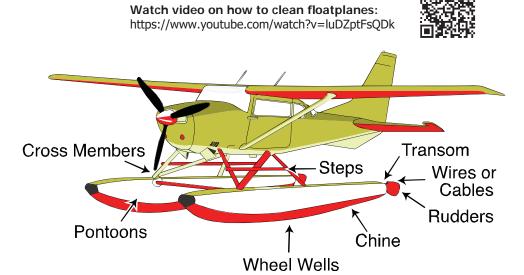
3. After take-off:

- Raise and lower water rudders several times to free any remaining plant fragments over the waters you left or over land.
- If plants remain and are still visible on floats, cables, or water rudders, return to the lake you left and clean them off.

If used in known AIS infested waters runway land (if equipped) or trailer and clean aircraft as soon as possible.

4. Storage/Mooring:

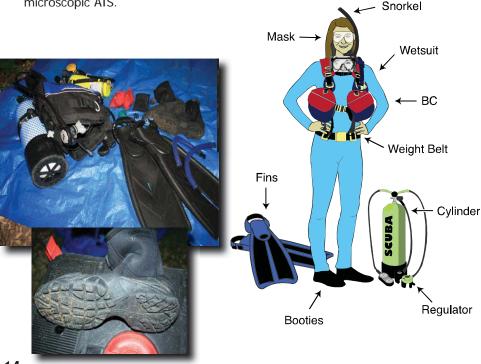
• Remove aircraft from the water whenever practical to better facilitate self-inspection, drainage, removal, cleaning and drying.



Dive & Snorkel Gear

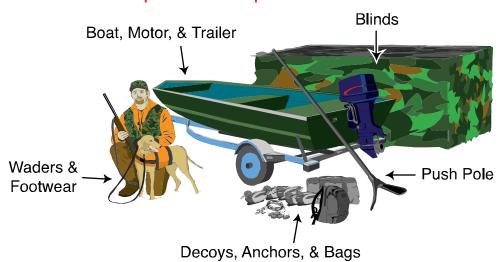
- Inspect and clean off all gear including wet suits, dry suits, fins, regulators, buoyancy compensation (BC) devices, cylinder, masks, gloves, boots, snorkels, weight belt and any other dive gear.
- 2. Thoroughly clean and scrub all regulators, BCDs, wet suits, masks, snorkels, and any other dive gear, making sure to clean both the inside and outside of BCD to ensure no mud or organic matter is present use a brush if necessary. Rinse inside and outside of gear.
- 3. Soak all equipment in a bucket or bathtub full of hot water. Allow sufficient soaking time for all components to reach the water temperature. Repeat the soak with fresh hot water. You may also soak gear used in freshwater dives in 3.5% salt solution (½ cup salt/gallon water) for 30 minutes. Consult equipment manufacturer for recommended AIS decontamination/cleaning products and methods.
- **4. Drain** water from BC, regulator, cylinder boot, motor, and any water containing devices before leaving water access.

5. Allow gear, suit, and other equipment to completely dry for several days, ideally in the sun on a hot day, before diving in different waters. Longer is better. Consider using two sets of gear if possible, alternating between sets every other day. If feasible, freeze your equipment for 72 hours to kill any remaining microscopic AIS.



Hunting Gear

- Complete the Basic Inspection and Cleaning checklist. Inspect and clean off waders, hip boots, ropes, nets, buckets, boat motor, trailer, ATV's push poles, decoys, decoy lines, and anchors. Check all gear that could potentially hide water (mussel veligers) & plants.
- ****Hunting Dogs** inspect and clean its paws and carefully wash away visible mud or foreign matter. Give your dog a good bath and comb it to remove any remaining invasives.
- 2. Thoroughly clean and scrub all gear and equipment making sure to clean both the inside and outside to ensure no mud or organic matter is present use a brush if necessary. Rinse inside and outside of gear.
- 3. Allow gear and other equipment to dry for several days, ideally in the sun on a hot day, before using in different waters. Longer is better. Consider using two sets of gear if possible, alternating between sets every other day. If feasible, freeze your equipment for 72 hours to kill any remaining microscopic AIS.
 - ** Remember that wetlands are just as susceptible to Aquatic Invasive Species as lakes.

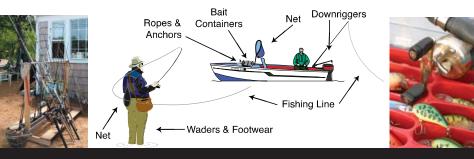


www.usbr.gov/mussels/prevention/docs/EquipmentInspectionandCleaningManual2012.pdf

Use elliptical and bulb-shaped anchors to avoid snagging aquatic plants.

Fishing Gear

- 1. Complete the Basic Inspection and Cleaning checklist. Inspect and clean off plants, animals, and mud from gear and equipment including waders, footwear, ropes, anchors, bait traps, dip nets, downrigger cables, fishing lines, lures, buckets, and field gear before leaving water access. Check all gear that could potentially hide water (mussel veligers) & plants. Drain water from boat, motor, bilge, bladder tanks, livewell and portable bait containers away from ramp. Anglers using boats should refer to "Basic boat inspection and Cleaning checklist".
- 2. Allow gear and other equipment to completely dry before using in different water bodies. Mussel veligers can survive on equipment if left damp.
- 3. Drain all water from bait buckets away from the water body and dry out. Dispose of unused bait, fish parts, worms, and packing materials in the trash or bag it up and take with you to dispose of in the trash. NEVER put left over, unwanted bait into any water body or dump on land. When keeping live bait, drain bait container and replace it with spring or dechlorinated tap water. Don't add other live fish or water to the bait container. Fish caught for eating or taxidermy should be cleaned away from the water and placed on ice.
- 4. Don't forget to **drain all water from the livewell**. Dry with all hatches open and exposed to air, and ideally in sunlight until bone dry.
- 5. Thoroughly clean and scrub all gear and equipment making sure to clean both the inside and outside to ensure no mud or organic matter is present use a brush if necessary. Rinse inside and outside of gear.
- 6. Allow gear and other equipment to dry for several days, ideally in the sun on a hot day, before using in different waters. Consider using two sets of gear if possible. If feasible, freeze your equipment for 72 hours to kill any remaining microscopic AIS.
- Use non-felt soled boots instead of felt-soled footwear to further reduce the risk of spreading AIS.



Docks, Lifts, Swim Rafts and Mooring Buoys

Docks, Boat Lifts, Swim Rafts, and Mooring Buoys are of particular concern because they sit in water for extended periods, giving zebra/quagga mussels an opportunity to attach themselves.

- If you buy or sell a used boat lift, dock, or swim raft, inspect it for mussels and let it dry for at least 21 consecutive days in open air and full sun before moving it to the next water body.
- 2. Thoroughly inspect all surfaces of your boat lift, dock or swim raft. If you find any mussels, scrape them off and kill them by crushing them. Dispose of the remains in the trash.
- Remove all plants and mud from your boat lift, dock or swim raft. Dispose of all material in the trash.
- **4. Use a Lake Service Provider** that has a permit from the Minnesota DNR to take your dock and lift in and out of the water. They have been properly trained by the DNR to avoid spreading Aquatic Invasive Species.





List of DNR Permitt ed Lake Service Providers https://www.dnr.state.mn.us/lsp/index.html



Zebra mussels attached to lift

Minnesota law requires a minimum of 21 consecutive days to pass before placing a dock, boat lift, swim raft or other water-related equipment in another water body.

Lake Service Provider

Service providers, (people who are hired to move docks, lifts, and other water related equipment in and out of lakes), can create a <u>big</u> AIS risk for the lake.



Any visible material should be scrubbed off with a stiff brush. Non-felt-soled boots should be used instead of felt-soled footwear. Soaking of equipment inside and outside in very hot water, even using ½ cup of salt per gallon of water may be helpful in treating equipment. If feasible, freezing equipment for 72 hours will kill any remaining microscopic AIS.

The best of all is a separate set of those items that are difficult to clean for each lake, so cross contamination is not possible.

The service provider may have equipment such as ATV's, towing belts, waders, hip boots, pontoons, etc. that can transfer aquatic invasive species if not cleaned and treated properly. The service provider needs to decontaminate the equipment, clean, drain, dry or thermally decontaminate, just like a boat should be treated when it travels from lake to lake. Towing belts, waders, hip boots, and other equipment that get wet must be cleaned of visible aquatic plants, animals, and mud.



All lake service providers must complete AIS training, learning how to identify and remove AIS, and obtain a DNR permit. The permit must be displayed in the lower driver's side corner of the vehicle's windshield. If you move a dock, lift or other water equipment from one lake or river to another, all aquatic plants and animals must be removed whether dead or alive. According to Minnesota law, the equipment must be free of AIS and cannot be placed in another water body until a minimum of 21 days has passed.

If you use a service provider be sure they have a permit and have gone through AIS training,

- Ask them what lake they were in last?
- How did they clean their equipment or do they have another set for this lake?

If you don't get the right answers, find someone else. Minnesota DNR provides a list of certified Lake Service Providers on their website.

https://www.dnr.state.mn.us/lsp/index.html

Response Plan for Stearns County

If a recent introduction of AIS is detected, a well-prepared AIS response plan is the best strategy for possibly thwarting establishment of AIS.

How to report a new AIS introduction to the MN DNR, County Environmental Services or Lake Association (see Contacts page for numbers).

1. Photograph

Take digital photographs of the suspected AIS while in place in the lake before collecting, taking several photographs from several perspectives. Also take photographs of the nearby environment – lakeshore area or surrounding underwater environment.

2. Note Location

To identify the location as precisely as possible, try to do the following:

- Place a marker buoy at the site.
- Record the location using a GPS (your phone may have such capabilities).
- Note the nearest lakeshore landmark and measure (or estimate) the distance from shore.
- Measure the water depth at the site.
- **3.** Record Other Pertinent Notes and Observations
 - Date, time and name of person making discovery.
 - Physical description of the suspected AIS.
 - Weather conditions (temperature, cloud cover, wind/surf conditions).
 - Water clarity (approximately how far down can you see).
- 4. Collect & Preserve Specimen
 - <u>Plants</u> Collect as much of the plant body (stems, leaves and flowers) as possible, as well as the roots or tubers. Gently remove the entire plant, rinse away attached material (like muck) and carefully lay it out on a paper towel. Gently separate the leaves and let the plant specimen air-dry out of the sun. If possible, collect several plants.
 - <u>Small animals</u> Place specimen(s) in a jar and submerge it in isopropyl (rubbing) alcohol and cover or seal the container.
 - Large animals Freeze the specimen.

Recommendation for informing others of the suspected AIS

- MNDNR (contact information for DNR regional AIS specialist can be found at http://www.dnr.state.mn.us/invasives/ais/contacts.html) or
- Stearns County Environmental Services Department, or
- A member of the lake association.

Minnesota DNR Rapid Response Plan

http://files.dnr.state.mn.us/natural_resources/invasives/rapid-response-ais.pdf

Stearns County Response Plan

https://www.stearnscountymn.gov/818/Aguatic-Invasive-Species

Stearns County Contacts

Stearns County Environmental Services

Environmental Specialist Cole Loewen 3301 Co Rd 138 Waite Park, MN 56387 320-656-3613

Email: cole.loewen@co.stearns.mn.us

Stearns County Soil and Water Conservation District (SWCD)

Marketplace Mall 110 2nd Street South, Suite 128 Waite Park, MN 56387 320-251-7800 Ext. 3

Email: dennis.fuchs@mn.nacdnet.net

Aquatic Invasive Species

Minnesota DNR: www.dnr.state.mn.us/invasives/ais/index.html University of Minnesota Sea Grant: www.seagrant.umn.edu/ais/

Wildlife Forever: www.CleanDrainDry.org

Protect Our Waters: www.protectyourwaters.net

Aquatic Plant Management

http://www.dnr.state.mn.us/shorelandmgmt/apg/permits.html

DNR Water Permits Requirements

http://www.dnr.state.mn.us/permits/water/answers.html#ohwl

Dock Rules

http://files.dnr.state.mn.us/publications/waters/shoreline_alterations_water_access.pdf

Stearns County Coalition of Lake Associations

Email: james.bartelme@aol.com

(320) 253-2637

Stearns County AIS Committee

https://www.stearnscountymn.gov/818/Aquatic-Invasive-Species