



"Driven to Excellence"

# Aquatic Invasive Species Management



In Minnesota, we love our lakes. They are a large part of our cultural identity and beloved recreational activities. But our lakes are being overrun by a host of invasive species that are negatively impacting our native fish and plants, water quality, and recreation ability. Invasive species like Asian carp and zebra mussels are drastically reducing the amount of food available to our native bluegill, walleye, and bass populations. Asian carp can also contribute to pollutant loading and decreased water clarity. Eurasian milfoil is choking waterways and impacting boats and swimmers. Faucet snails introduce parasites to our waterfowl that cause hemorrhaging that eventually kills birds. We can all limit the spread by cleaning and draining our boats and watercraft, especially when moving from one body of water to another.

At Rock Leaf, we provide services for the early detection and treatment of AIS. Earlier detection of invasions can better our chances of limiting degradation. We can provide early detection, monitoring and mapping of AIS for clients by using tools like zebra mussel samplers and eDNA sampling. eDNA sampling analyzes collected water samples for DNA that is shed from the target organism(s). This helps detect small populations of the organisms early. Finding these organisms can help stop the spread, alert the DNR, and prepare the area for treatment.

## Aquatic invasive species Rock Leaf staff identify, detect, and/or treat include:

Banded Mystery Snail (*Viviparus georgianus*)  
Chinese Mystery Snail (*Cipangopaludina chinensis*)  
Common Carp (*Cyprinus carpio*)  
Common Reed (*Phragmites australis*)  
Curly-leaf Pondweed (*Potamogeton crispus*)  
Asian Carp (*Hypophthalmichthys nobilis*)  
Eurasian Watermilfoil (*Myriophyllum spicatum*)  
Faucet Snail (*Bithynia tentaculata*)  
Purple Loosestrife (*Lythrum salicaria*)  
Rusty Crayfish (*Orconectes rusticus*)  
Starry Stonewort (*Nitellopsis obtusa*)  
Yellow Iris (*Iris pseudacorus*)  
Zebra Mussel (*Dreissena polymorpha*)

## Questions? Feel free to contact us:



### Brian Jastram

Senior Water Scientist  
W) 833-762-5532 ext. 706  
[Brian.Jastram@RockLeafWater.com](mailto:Brian.Jastram@RockLeafWater.com)



### Nate Gillett

Water Resource Specialist  
[Nate.Gillett@RockLeafWater.com](mailto:Nate.Gillett@RockLeafWater.com)