

An Itasca County AIS Review

With updates and discussion



Things we'll discuss for the next 15 minutes or so:

- Some appreciation for Lake Service Providers
- Consequences of not paying attention, a case study
- Review current state of Aquatic Invasive Species in Itasca County, select examples
- Thoughts about the 5-Star Program
- Discussion



Lake Service Providers

- Well-trained and certified professionals
- Continuously in contact with the lakes, river, and people in Itasca County
- A first line of contact with AIS
- Dependent on, and protective of, our water resources



What not to do

The Rose Lake Event

- Ottertail County 2011
- A private party moved a boatlift
- The lift came from a zebra mussel infested lake
- Substantial time, effort, money expended for the survey
- Experimental treatment
- Rose Lake is still an infested water



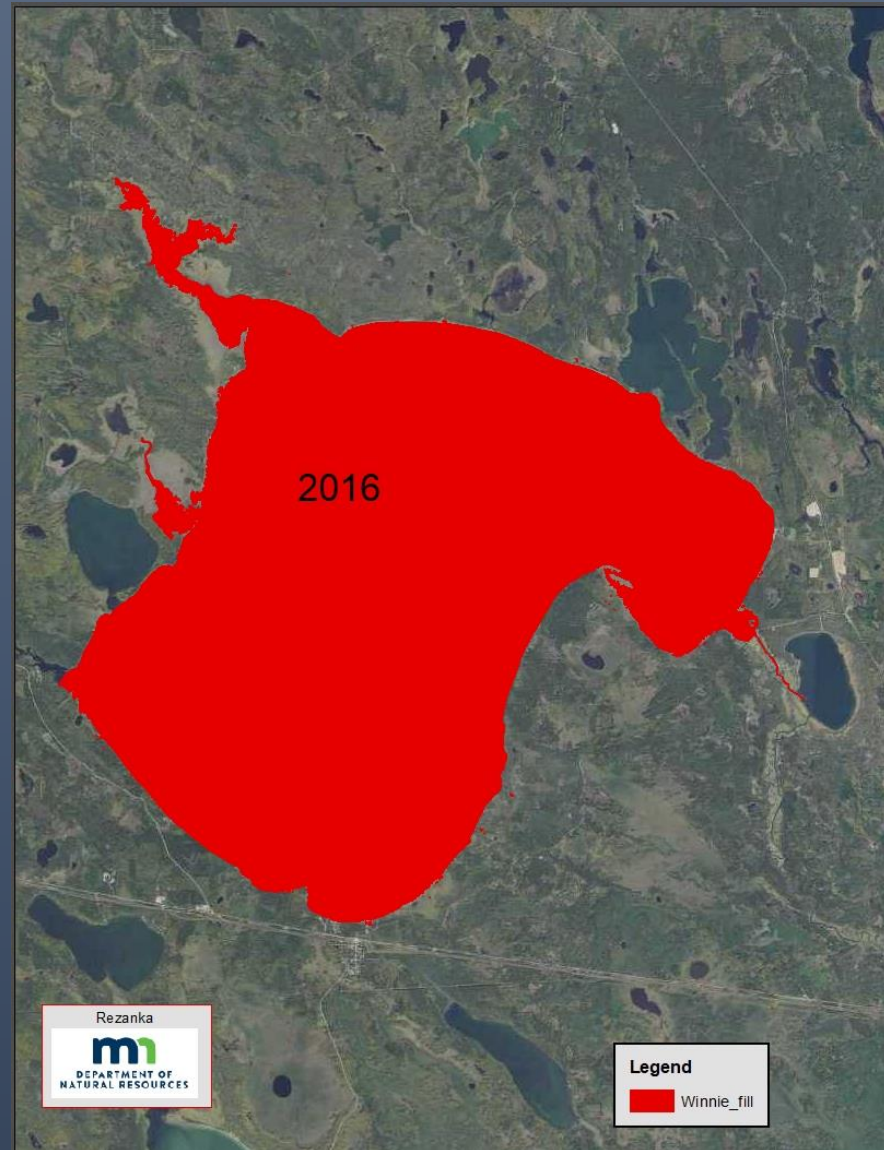
Examples of AIS in Itasca County

- Winnibigoshish / Mississippi River
 - Zebra mussel
 - Faucet snail
 - Starry stonewort
- Sand Lake / Bigfork River
 - Zebra mussel
- North Star Lake
 - Zebra mussel
- Blandin Reservoir
 - Zebra mussel
- McKinney / Ice / Other lake in town
 - Eurasian watermilfoil



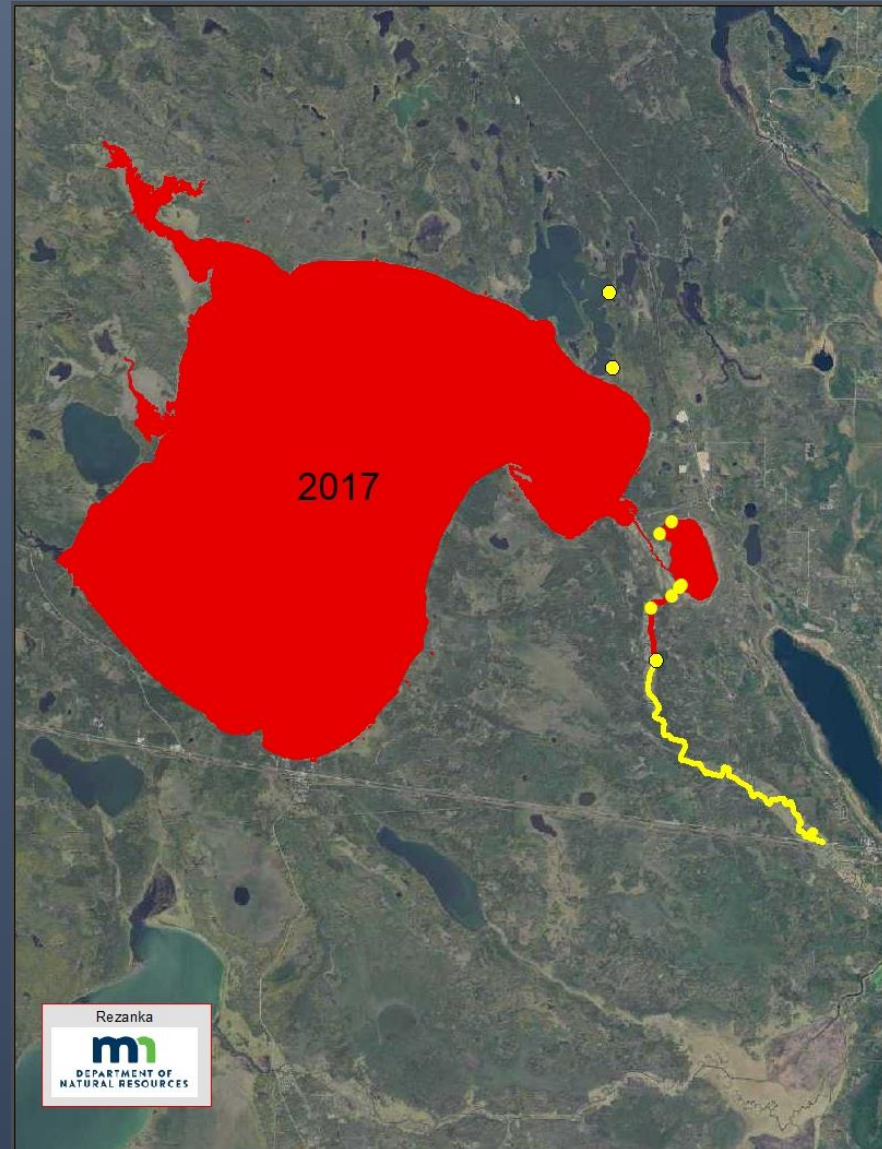
Winnibigoshish / Mississippi River

- Zebra Mussels
- Discovered via routine DNR plankton sampling
- Adults were cryptic for several seasons
- Adults first found in shallows
- Widespread in 2019

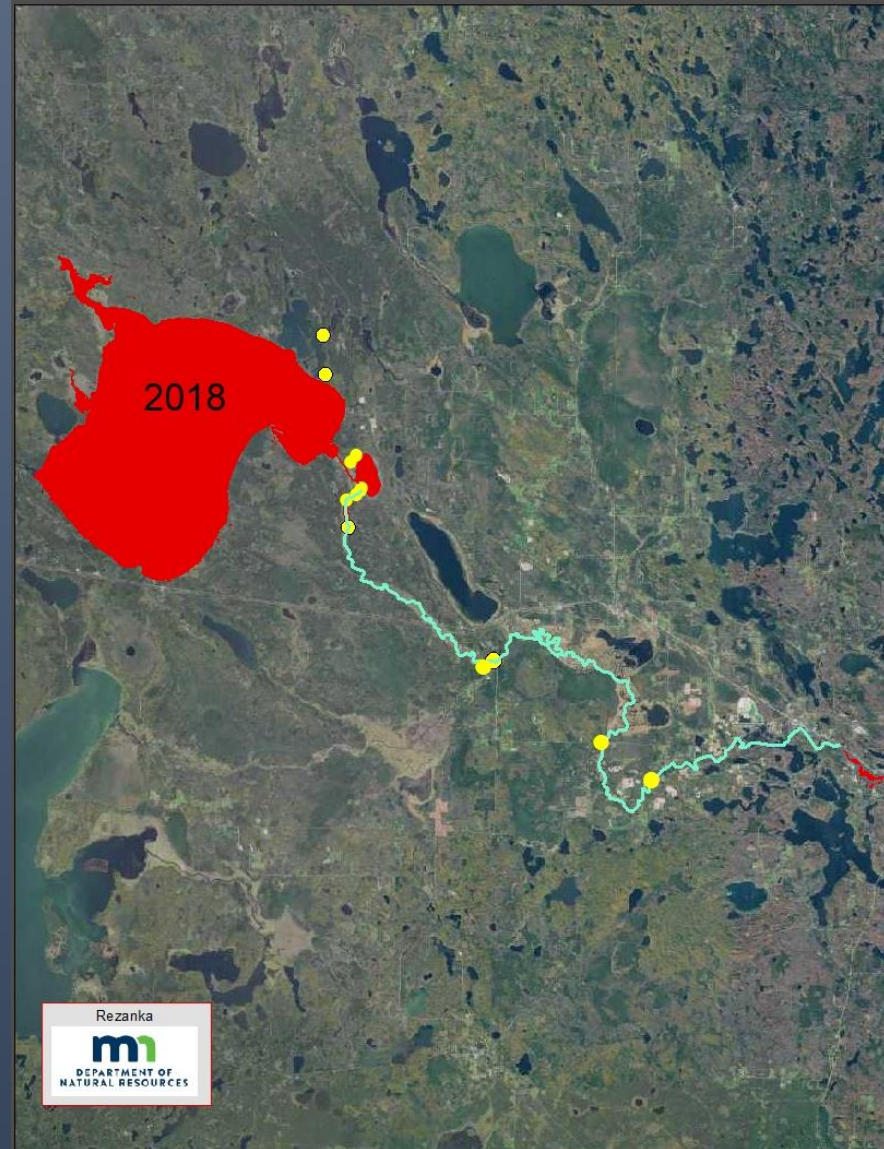


- Zebra mussels
- Faucet Snails
- Starry stonewort

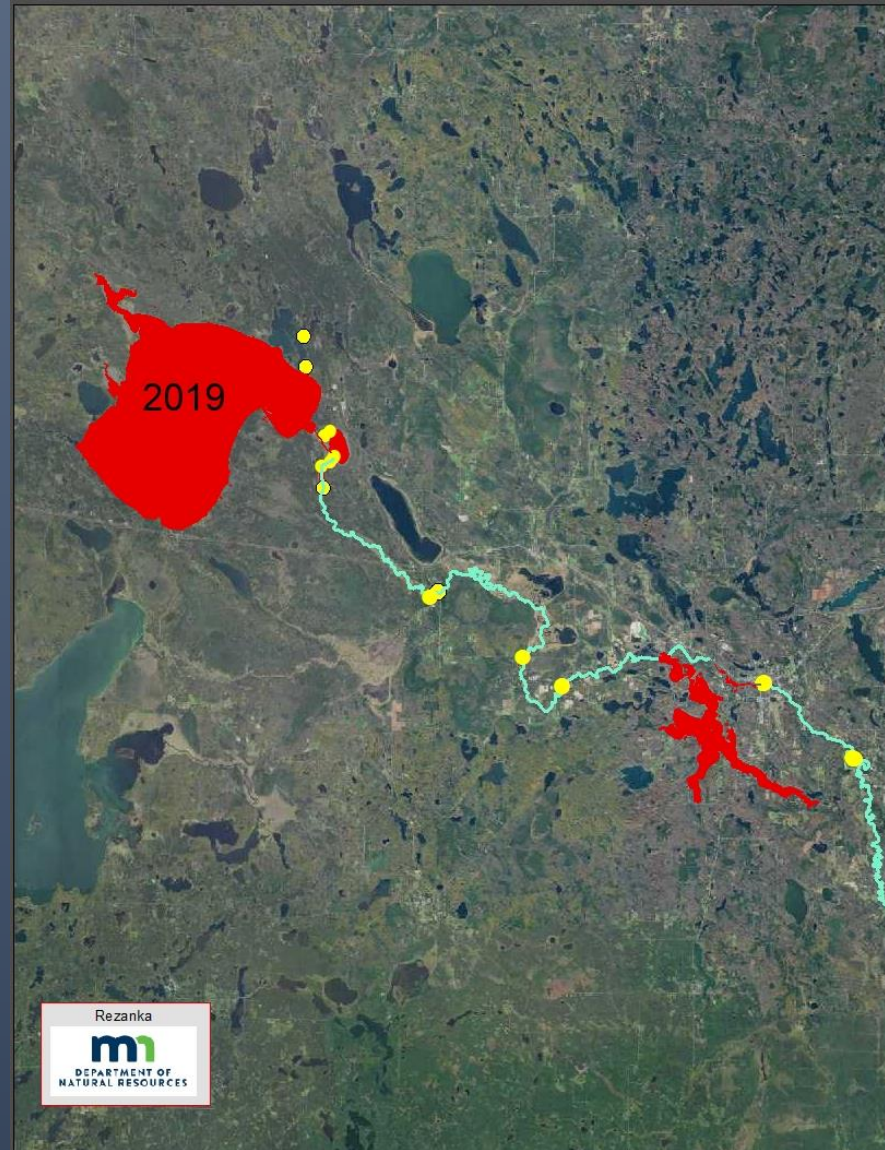
Winnibigoshish / Mississippi River



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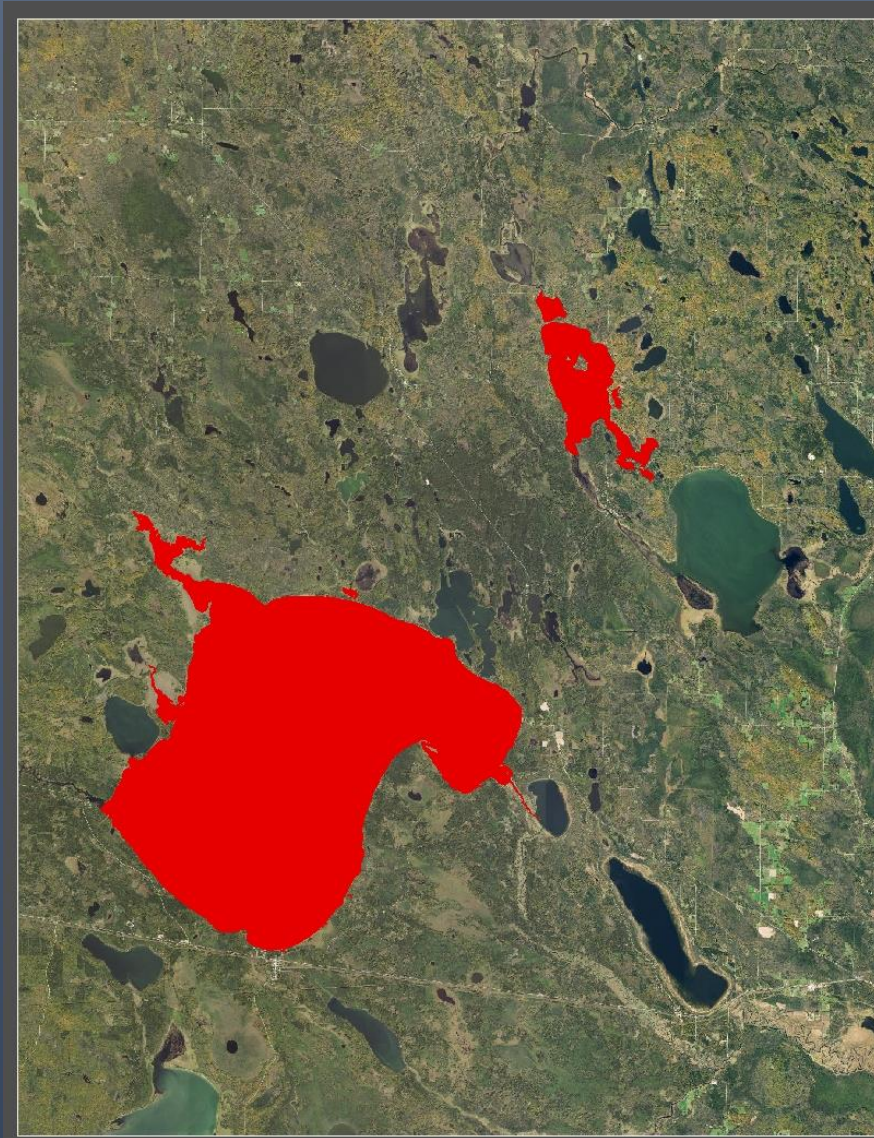


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Itasca County 5-Star LSP Program



Sand Lake / Big Fork River



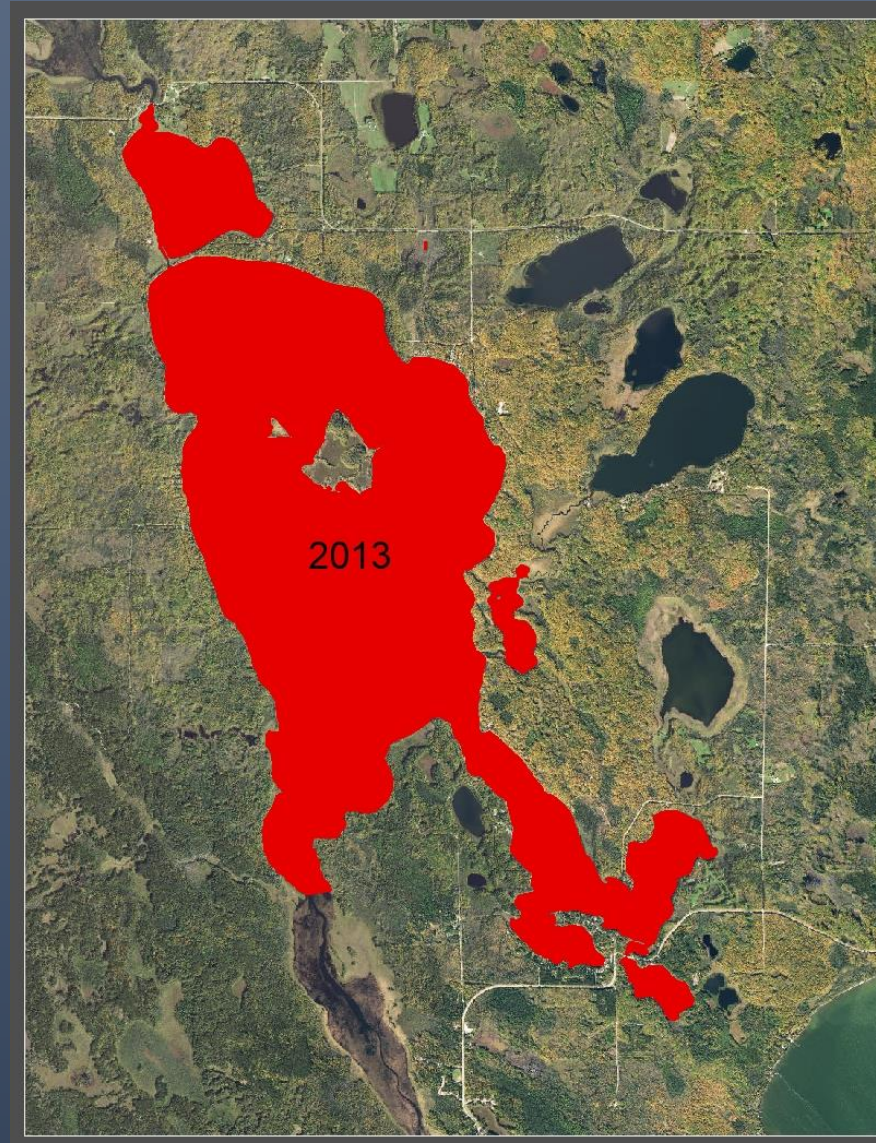
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Itasca County 5-Star LSP Program



Sand Lake / Big Fork River

- Reported by a resort owner
- Initially concentrated on the east side
- Not widespread on west shore
- Subject to 5 year DNR study



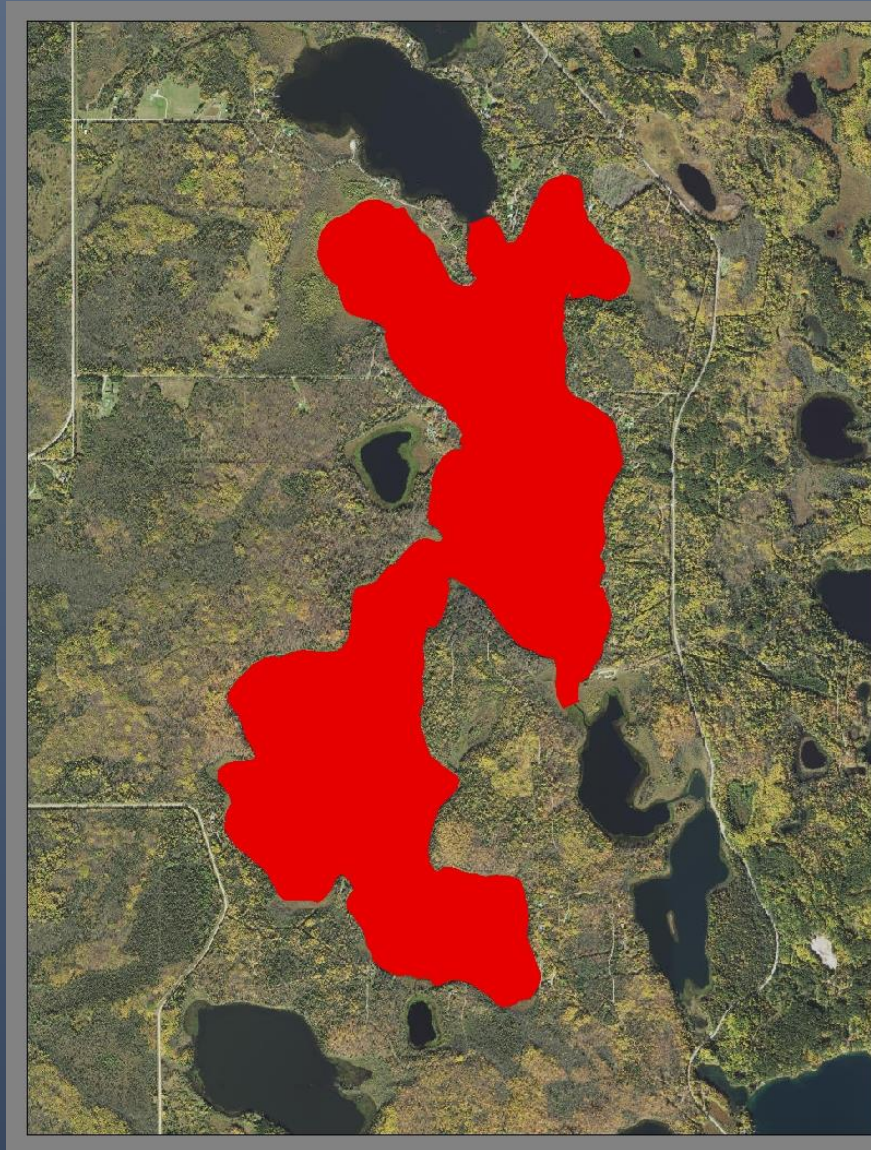
Sand Lake / Big Fork River

- Passed through Rice Lake
- Confirmed on Dora
- Downstream 14 miles
- Not common in the Bigfork



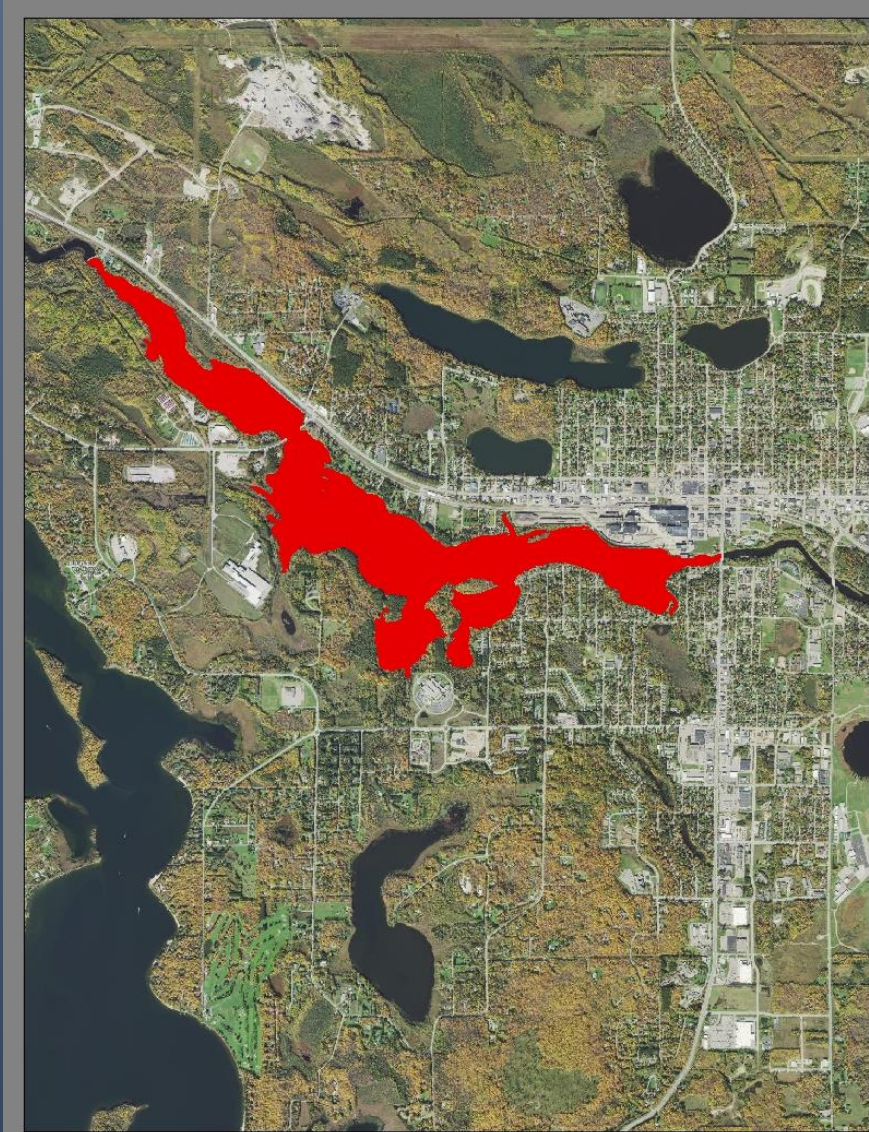
North Star

- Reported by lake property owner
- Many **large** adults on the East shore
- Widely distributed
- Near the lake outlet



Blandin Reservoir

- Discovered on settlement traps
- Many large adults
- Widely distributed



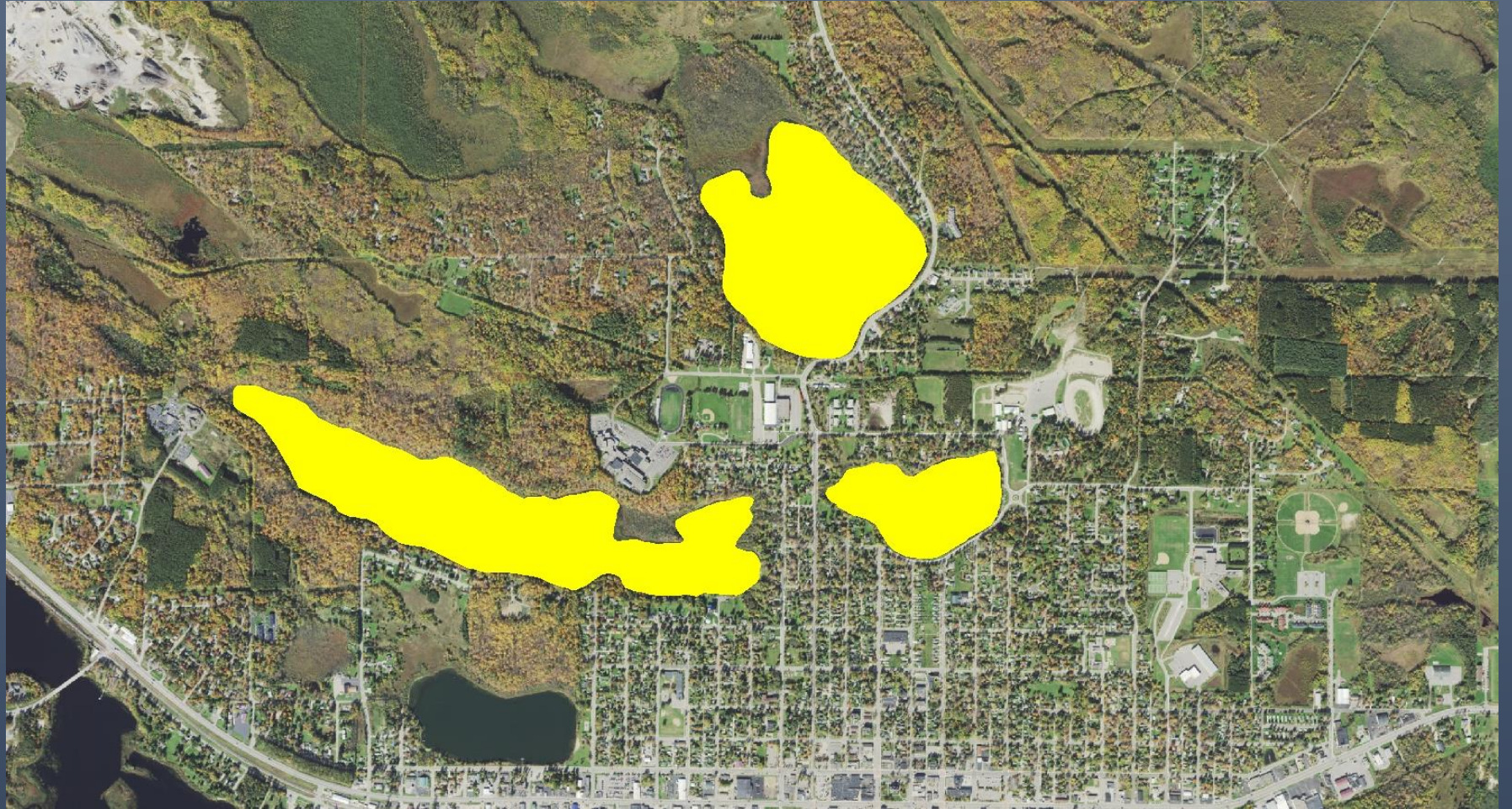
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Itasca County 5-Star LSP Program



McKinney - Ice- Hale

- Eurasian watermilfoil
- Management history
- 2019 herbicide planned



Questions Comments Discussion

