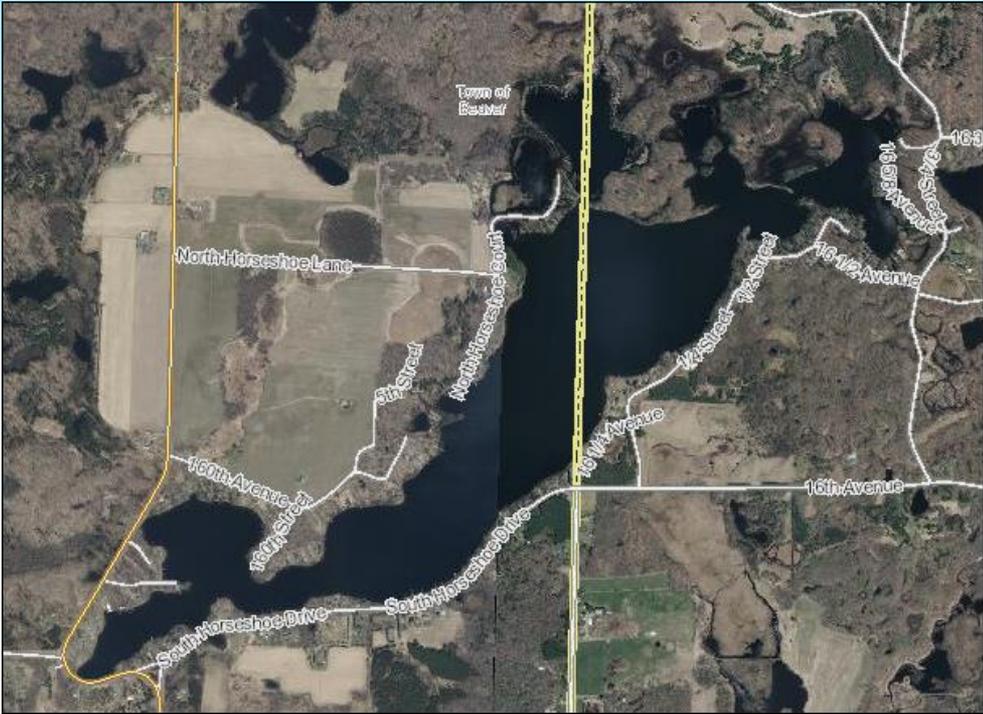


# Horseshoe Lake Annual Meeting



September 16, 2023



# Hybrid EWM



# 2023-24 AIS Population Control Grant

- Total Project Cost = \$39,297.79
- State Award = \$29,473.34
- March 15, 2023 thru December 31, 2024
- EWM management
- AIS education and prevention
- Aquatic plant survey
- Water quality testing
- Watercraft inspection
- Purple loosestrife removal



# 2023-24 AIS Population Control Grant

- EWM/HWM management in 2023
  - \$10,300.00 (ProcellaCOR)
  - Herbicide concentration testing
- EWM/HWM management in 2024
  - \$8,300.00 (Diver/DASH removal)
- EWM bed mapping (2023 and 2024)
  - Endangered Resource Services
- Pre (2023) and Post (2024) treatment PI survey



# Clean Boats, Clean Waters

- 224.5 hrs
- 489 people reached
- 266 boats inspected
- 164 hrs (paid – Kolton)
- 60.5 hrs (volunteer)



# 2024 ProcellaCOR Treatment



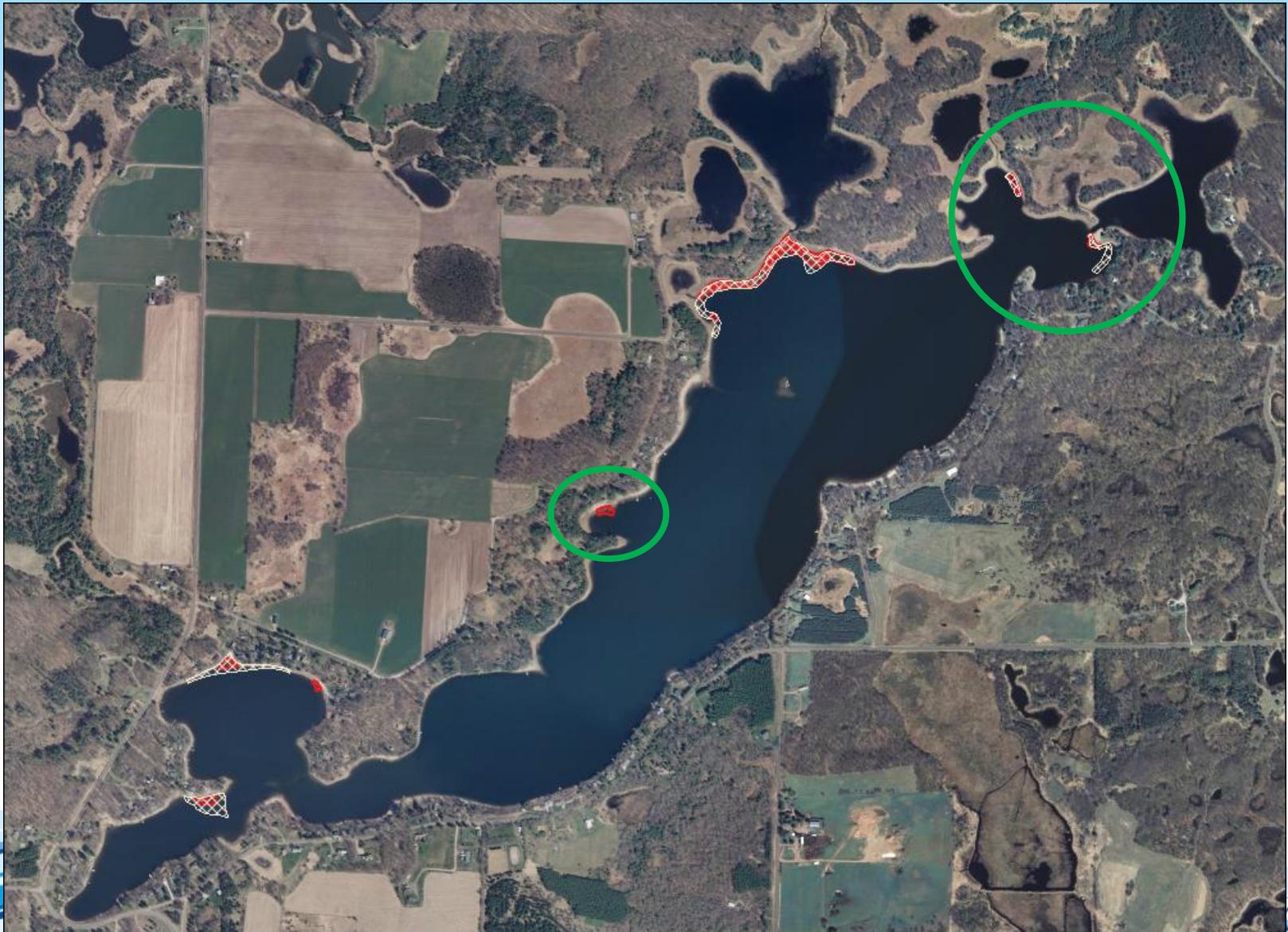
**Completed June 2, 2023**

2023 Horseshoe Lake, Barron/Polk County Preliminary Spring EWM/HWM ProcellaCOR Chemical

New Name	Location	Acres	Mean Depth (feet)	Acre-feet	Treatment PDU/acft	PDU Application
Bed1-23	Channel	1.15	6.00	6.90	5.00	34.50
Bed2-23	Big Bay	1.19	5.00	5.95	5.00	29.75
Bed3-23	Mud Lake Entry	3.73	5.00	18.65	4.00	74.60
		6.07		31.50		138.85
ProcellaCOR		PDU = 3.2 oz	fl. Ounces	gallons		
		138.85	444.32	3.5		
Total Cost		Cost/PDU = \$75.00				
		<b>\$10,413.75</b>				
	<b>\$10,713.75</b>	Trip Fee				
		<b>\$300.00</b>				



# Untreated EWM



# A little snorkel removal was done as well!

Horseshoe Lake, Barron / Polk County EWM Removal – June 27, 2023



# Treatment Results

- Anecdotally, it worked very well!
- No EWM/HWM was found in the treated areas in the middle of the summer.
- There was EWM/HWM up by the narrows, too much
  - Maybe a chemical treatment there in 2024
- Concentration testing has not been analyzed yet. (My bad!)
- Fall bed mapping has not been completed yet
  - Surveyor is probably on the lake right now!



# 2024 EWM Management

- Diver-assisted Suction Harvest (DASH)
- Snorkel/diver removal
  - Grant \$\$
- Small ProcellaCOR
  - Lake District \$\$
- Purple loosestrife
- Water quality
- CBCW
- AIS Education
- Aquatic plant surveys



# Questions?

