

Mudhen Lake Aquatic Plant Management

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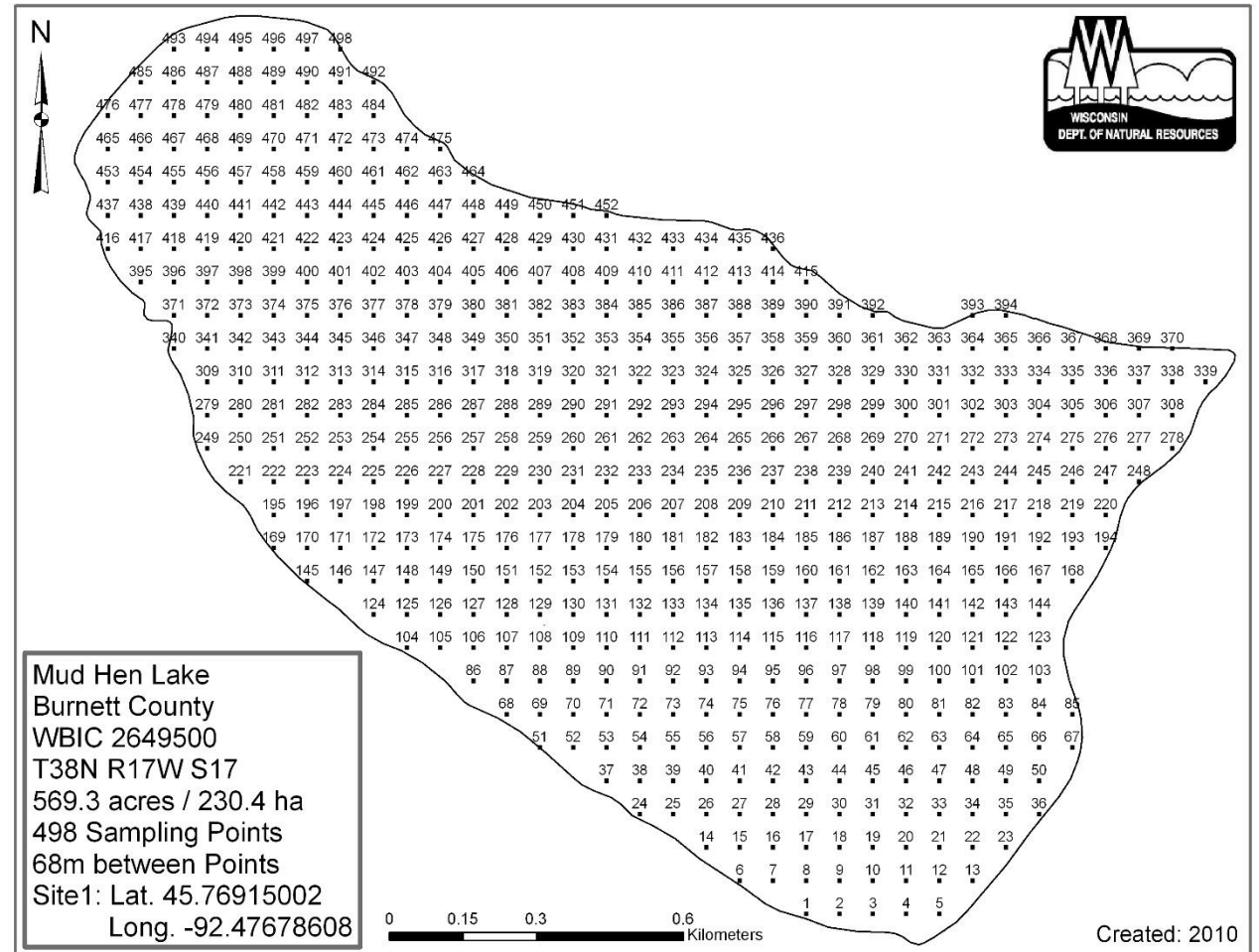
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Updated plan goals

1. Prevent the introduction and spread of aquatic invasive species (AIS).
2. Reduce and control the population of purple loosestrife and curly leaf pondweed.
3. Maintain and improve water quality conditions.
4. Enhance and maintain the diverse populations of native aquatic plants.
5. Educate the Mudhen Lake community and guests regarding aquatic plant management strategies.

Update

Abundance Ranking	Rake Coverage	Description
1		Sparse; plants covering <25% of the rake head
2		Common; plants covering 25%-75% of the rake head
3		Abundant; plants covering >75% of the rake head



Rare stonewort species - *Lychnothamnus barbatus*

- Dinosaur-Era green macroalgae
- Previously thought extinct – roughly 14 lakes in WI and 2 in MN.



Shoreline survey

- Woody debris (trees in the water)
- Emergent or floating plants in littoral zone
- Percent cover of canopy, shrubs, herbaceous layers
- Structures

Timeline

- Surveys are completed.
- Next steps:
 - Inputting data into spreadsheets.
 - Making maps of plants and shoreline data.
 - Writing updated APM.
 - Lake District will review draft and submit comments (Sept to Oct)
 - Submit to WDNR by Nov for review.
 - Lake District to submit payment designated in contract and volunteer labor forms by 9/15/2024.