

Lake Ellen Plant Surveys

Tuesday August 20, 2019 Amy Kretlow





A Look Ahead

- 2017 Early Detection Survey
- 2019 Point Intercept Survey

Plants found with statistics

• Clean Boats/Clean Waters



2017 Early Detection Survey





2017 Early Detection Survey

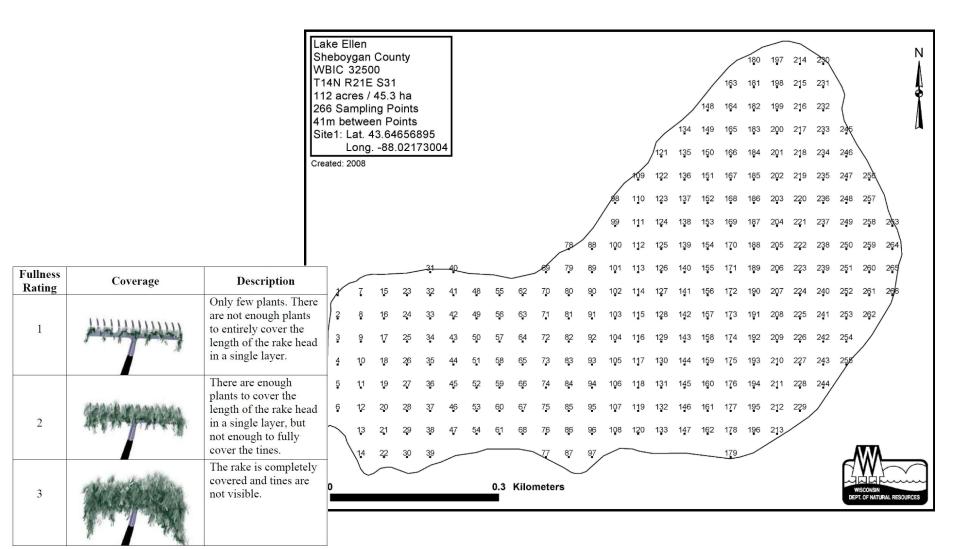
- Meander Survey
- Five Target Sites
 - Snorkeler
 - Rake Tosses
- Boat Launch
 - Snorkeler
 - Rake Tosses
- Spiny Waterflea (SWF) Dredge
 - Deep hole looking for spines
 - No SWF found...





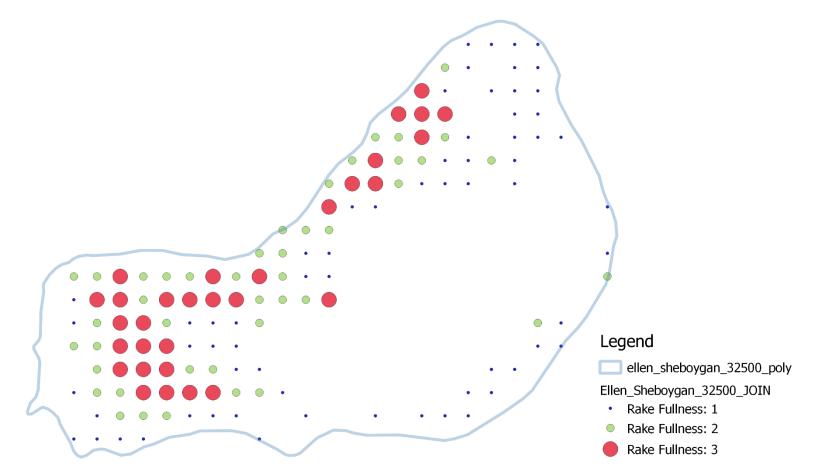


2019 Point Intercept Survey





Plants found and distribution



Lake Ellen, Sheboygan County July 22, 2019 Survey



Plant Species Found in Lake Ellen

Native Plants - Biodiversity

- Variable-leaf Pondweed
- Sago
- Large Duckweed
- Spadderdock
- Whit water lily
- Slender and southern naiad

- Illinois pondweed
- Chara
- Elodea
- Water Celery
- Variable Milfoil
- Norther Milfoil

Invasive Species already present and found in survey:

- Curly Leaf Pondweed
- Eurasian watermilfoil
- Zebra mussel
- Yellow Iris

- Spiny naiad
 - 2019
 - Added to NR40 in 2015.
 - Highly debated if it is actually an invasive species or if it is native species.

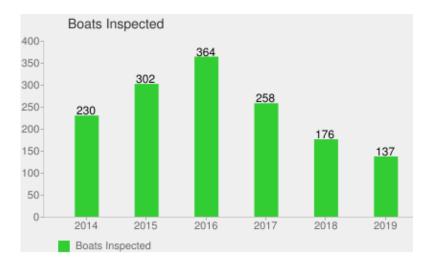


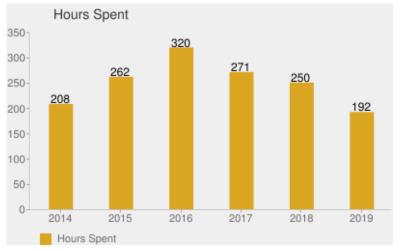
Lake Ellen Plant Statistics

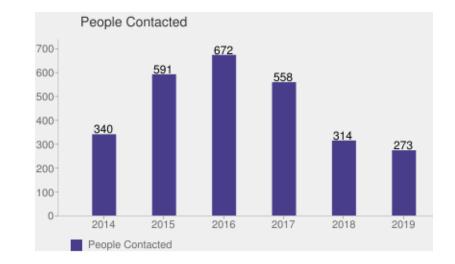
	Lake Ellen	Statewide Average 2017	Southern Drainage Average 2017
Littoral Zone % Vegetated	83.83	77.0	82.0
Maximum Depth of Plant Growth (ft)	16.0	13.6	14.6
Species Richness	20.0	22.0	16.0
Floristic Quality Index (FQI)	23.75	28.4	21.6



Clean Boats/Clean Water







2019 Numbers are as of August 16, 2019.