

Clearwater Lake (Wright County)

Eurasian Watermilfoil Delineation

July 22, 2019



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Prepared for the Clearwater Lake Property Owners Association

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Summary

AIS Consulting Services completed a Eurasian Watermilfoil (EWM) delineation on Clearwater Lake on July 22, 2019. The purpose of the survey was to assess historical EWM treatment areas to determine if treatment of EWM is warranted for 2019.

Very little Eurasian Watermilfoil was found. Scattered EWM was observed at two locations, as shown on Figure 3. Northern Watermilfoil and Coontail were both very common at many of the historical treatment areas. No treatment is recommended for 2019 based on the low abundance and density of EWM.

Methods

We searched historical EWM treatment areas (Figure 1) to determine the current distribution of EWM in the lake. Within each area, we used a combination of rake tosses, visual observations with polarized sunglasses and our sonar unit, to look for EWM. When found, we then searched additional areas adjacent to the spot found and delineated the boundaries and average depth of each area.

When EWM was found, we marked the spot with a gps waypoint. We also noted depth, and gave an estimated density rating based on the amount of vegetation on the sample rake.

Rake Density Ratings - *estimated coverage of rake head by plant sample*

1 = Plants covering less than 1/3 of rake head: Scattered plants—low density

2 = Plants covering 1/3 to 2/3 of rake head: Plants are common—moderate density

3 = Plants covering over 2/3 of rake head: Heavy growth—high density

Figure 1. EWM Search Areas

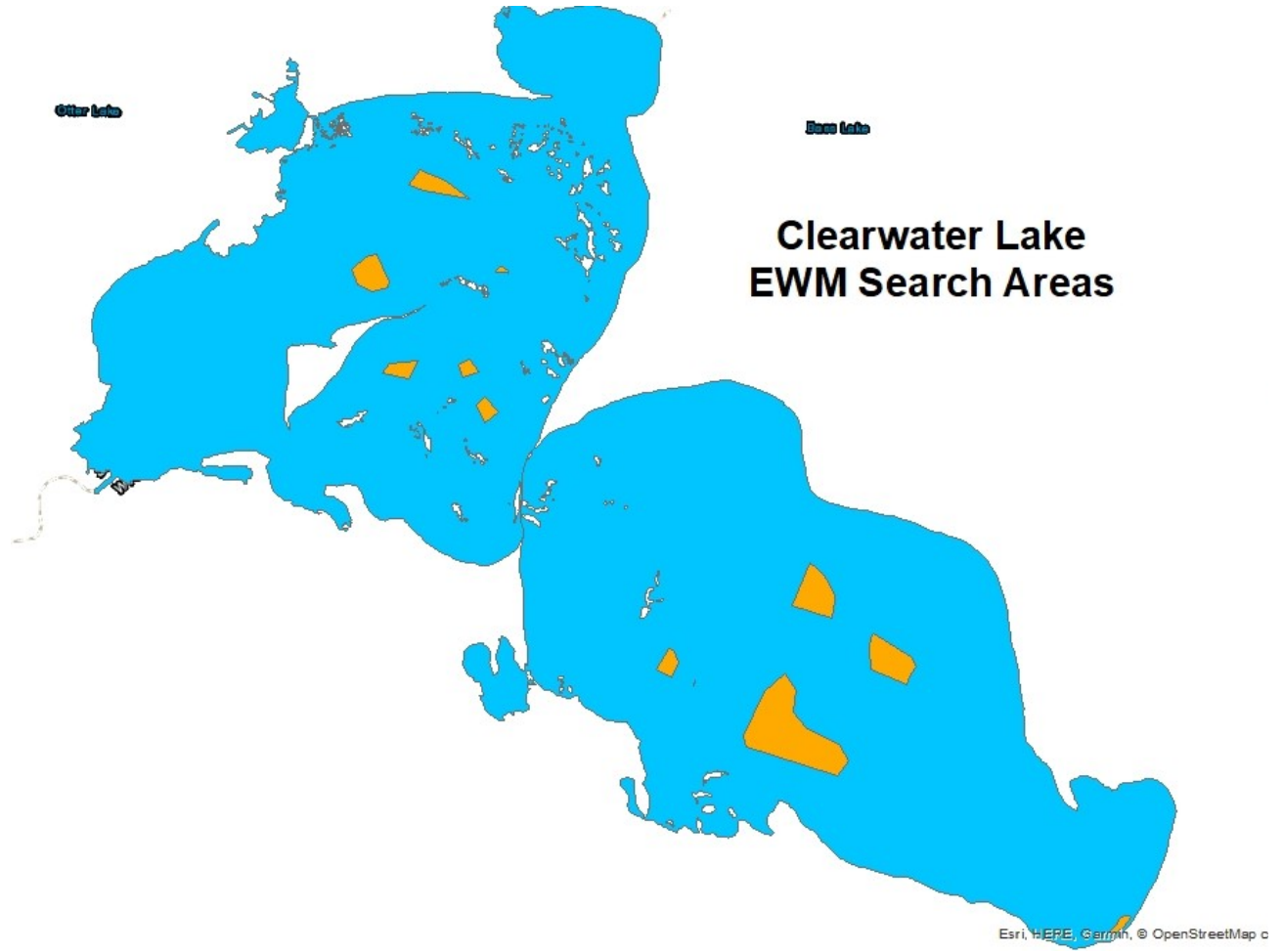


Figure 2. Survey tracks from July 22, 2019 survey

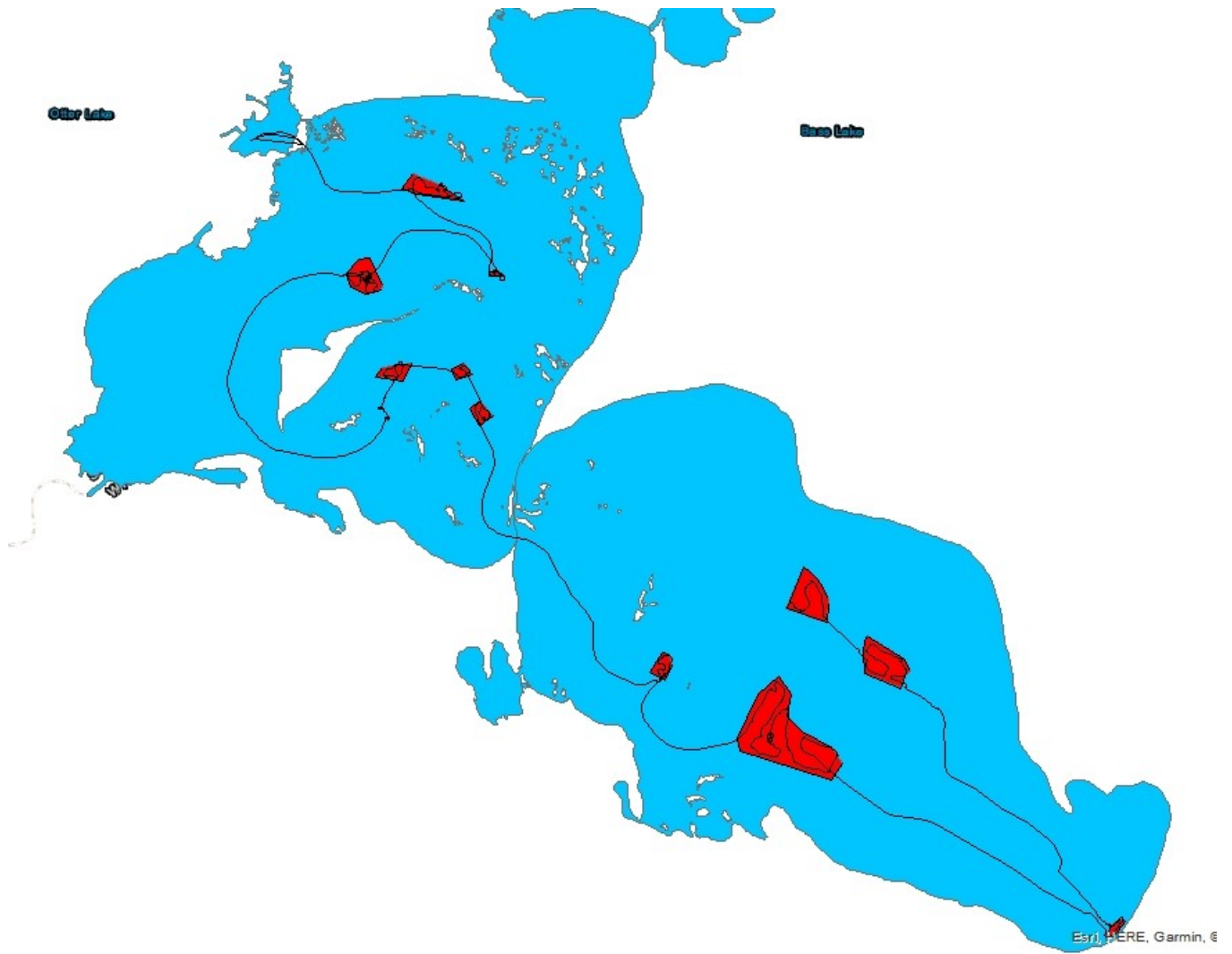


Figure 3. EWM distribution from July 22, 2019 survey

