



Eurasian Watermilfoil (EWM) Delineation Report Lake Sarah (Wright County)

DNR Lake ID #: 27019100

Survey Date: 6/4/2021

Survey & Report Completed by: Eric Fieldseth, AIS Consulting Services

Revised with reduced treatment acreage on June 13, 2021

Survey Purpose & Methods

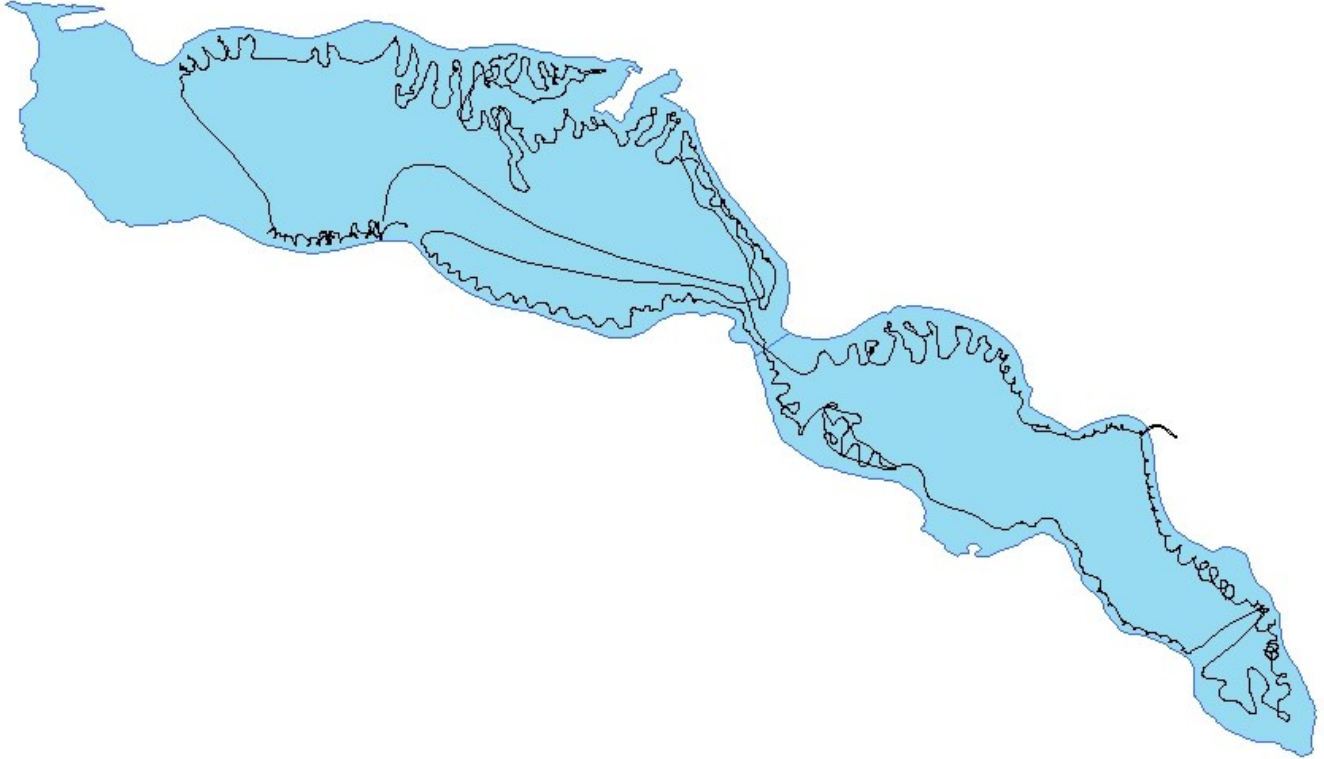
This survey was designed to determine the distribution and abundance of Eurasian Watermilfoil in Lake Sarah throughout the littoral area of the lake, and conduct a post-treatment inspection of Curlyleaf Pondweed from the early spring treatment. Data from this survey will be used to help inform EWM management plans for 2021.

AIS Consulting Services completed a Eurasian Watermilfoil delineation on Lake Sarah on June 4, 2021. We maneuvered our boat in a meandering pattern throughout the littoral area of the lake, and used a combination of rake tosses, visual observation and our sonar unit to identify areas of EWM. When EWM was observed, we recorded a waypoint, assigned an estimated density score for the EWM, and recorded water depth. During the survey, we made additional observations on Curlyleaf Pondweed if observed.

Rake Density Rating

Estimated Density Rating	Description	Rake Sample
1	Low Density - scattered plants	Covering up to 1/3 of the rake head
2	Moderate Density - plants are common	Covering between 1/3 to 2/3 of the rake head
3	High Density—heavy growth, dense stands of plants	Covering over 2/3 of rake head

Figure 1. Survey tracks from Lake Sarah EWM delineation June 4, 2021



Curlyleaf Pondweed Observations

Very little Curlyleaf Pondweed was observed during this survey. When Curlyleaf Pondweed was observed, it was brownish in color and brittle, appearing like it was dying off. No healthy Curlyleaf Pondweed was observed; the early spring treatment appeared to be very successful in controlling Curlyleaf Pondweed.

Eurasian Watermilfoil Delineation Results

Figure 2. EWM distribution and abundance from Lake Sarah EWM delineation June 4, 2021

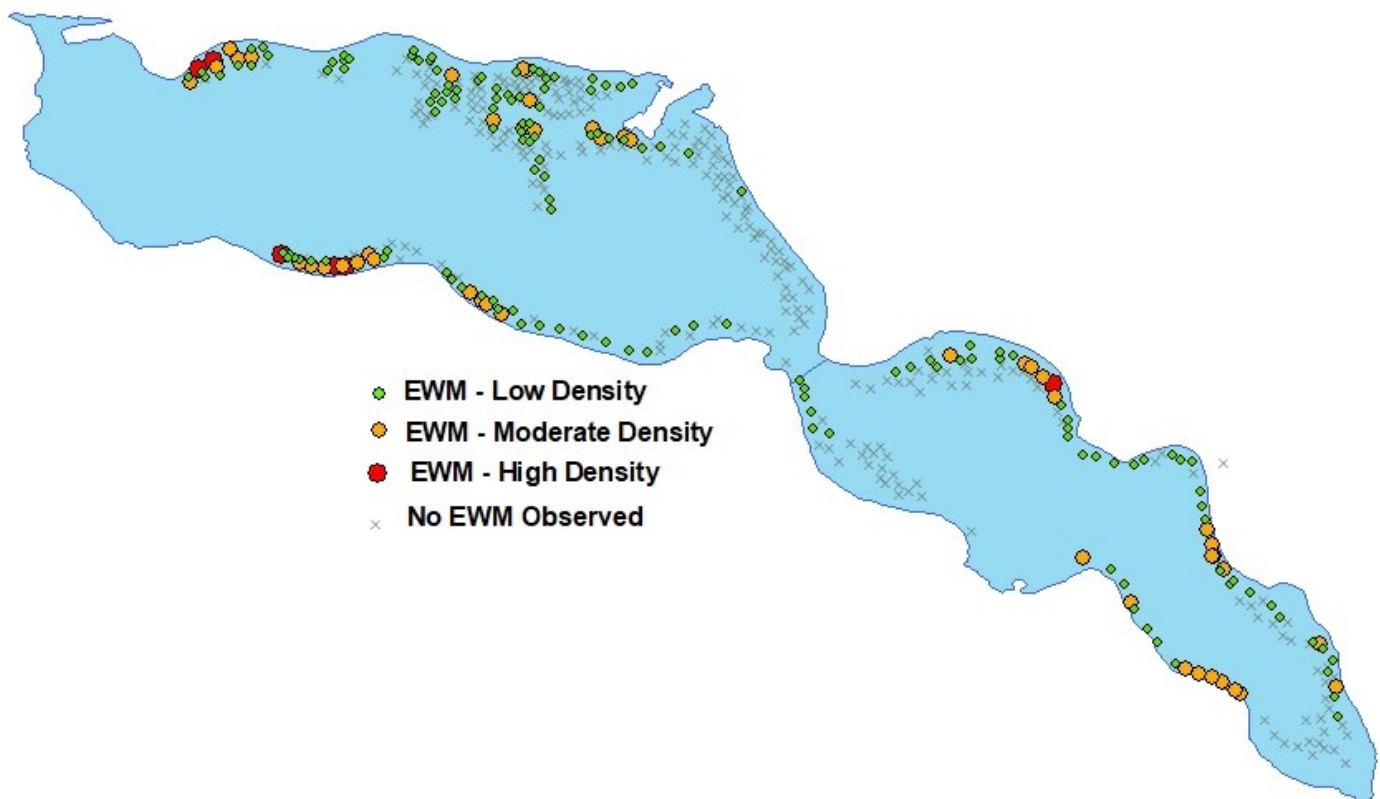
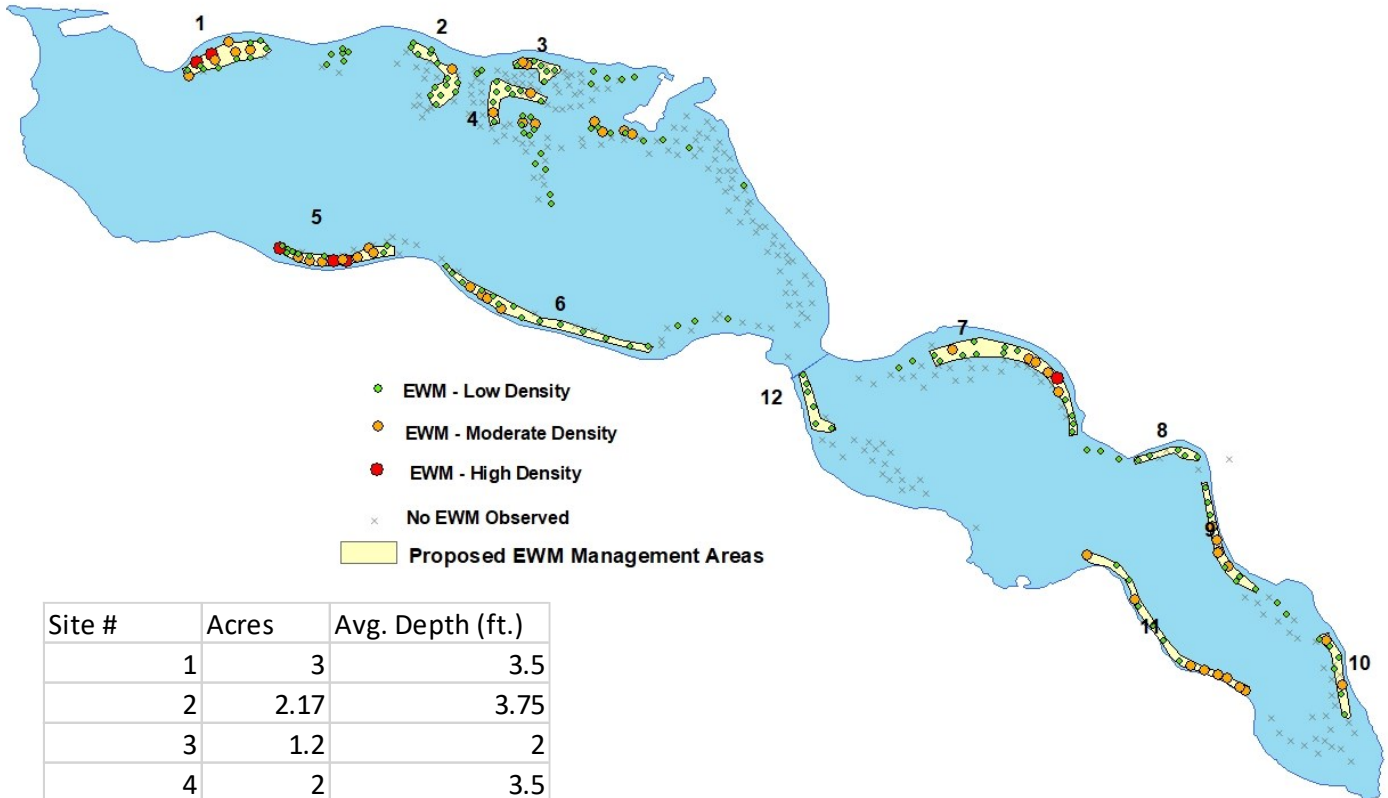


Figure 3. EWM distribution and abundance with proposed management areas



Site #	Acres	Avg. Depth (ft.)
1	3	3.5
2	2.17	3.75
3	1.2	2
4	2	3.5
5	2.4	3.3
6	3.8	2.8
7	5	2.6
8	1	2.5
9	2.1	2.8
10	1.61	2.9
11	3.4	3.8
12	1.4	2
Total Acres	29.08	

Figure 4. Lake Sarah Proposed 2021 EWM Treatment Areas (29.08 acres)

