

2017 EURASIAN WATER MILFOIL ASSESSMENT  
Lake Johanna, Ramsey County, Minnesota

**Mid-Season Assessment**



Submitted by:



Submitted to:  
Lake Johanna

July 19, 2017

**Survey Information:**

Clarke performed a Eurasian Water Milfoil survey on 6-27-2017 on Lake Johanna in Ramsey County. The purpose of the survey was to assess the Eurasian Water Milfoil in the lake. During the survey, 22 sites were found with Eurasian Water Milfoil. The sites ranged from low densities (1-2 plants) to high densities (10+ plants). Much of the survey had small pods of EWM that are too small to treat and get good effectiveness. Most of the EWM was found in water with depths ranging from 2 feet to 5 feet with the exception of the one sunken island where the EWM was found to a depth of about 9 feet. Clarke did determine that 6.1 acres of the EWM was at a level where treatment would be recommended. There were 3 areas total, 2 of the areas were the sunken islands in the middle of the lake and one was along the college on the south side of the lake.

If these areas are treated, Clarke recommends treating with 2, 4-D at a rate of 4 ppm due to the size of the areas.

**Survey Map**



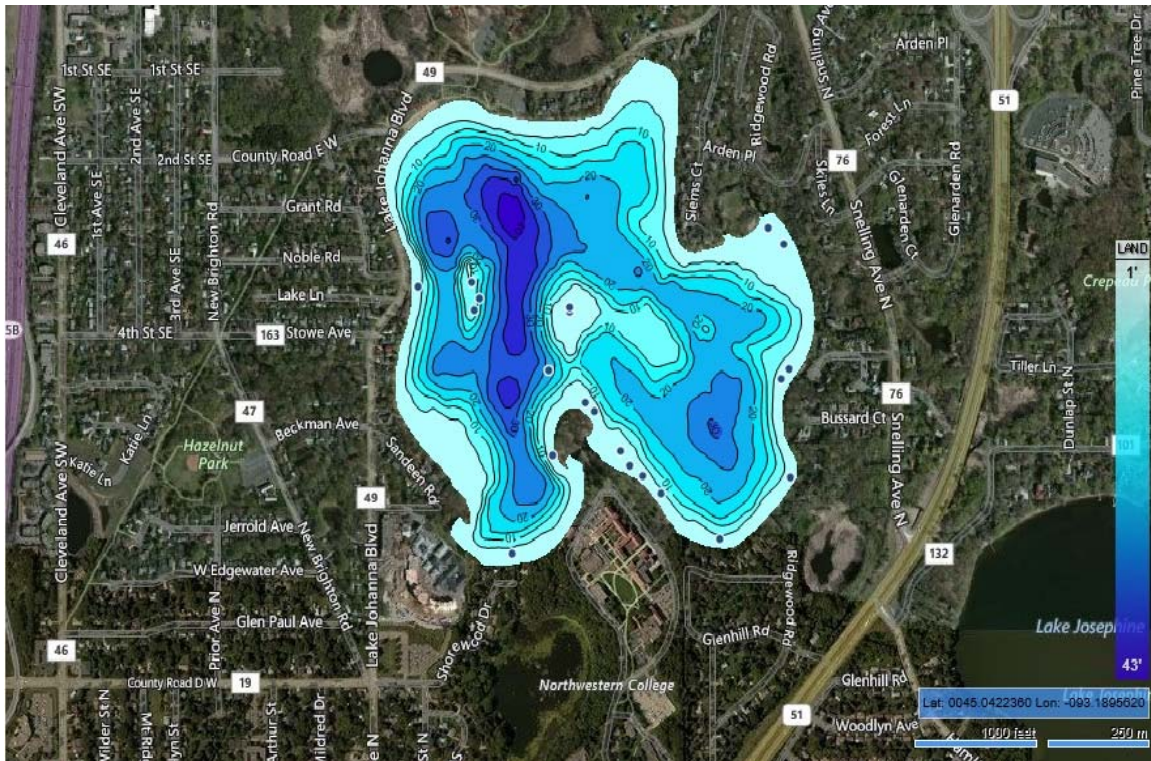
Site	Density
1	1
2	1
3	1
4	3
5	3
6	3
7	3
8	3
9	3
10	1
11	1

Site	Density
12	2
13	2
14	3
15	3
16	1
17	3
18	3
19	3
20	2
21	1
22	1

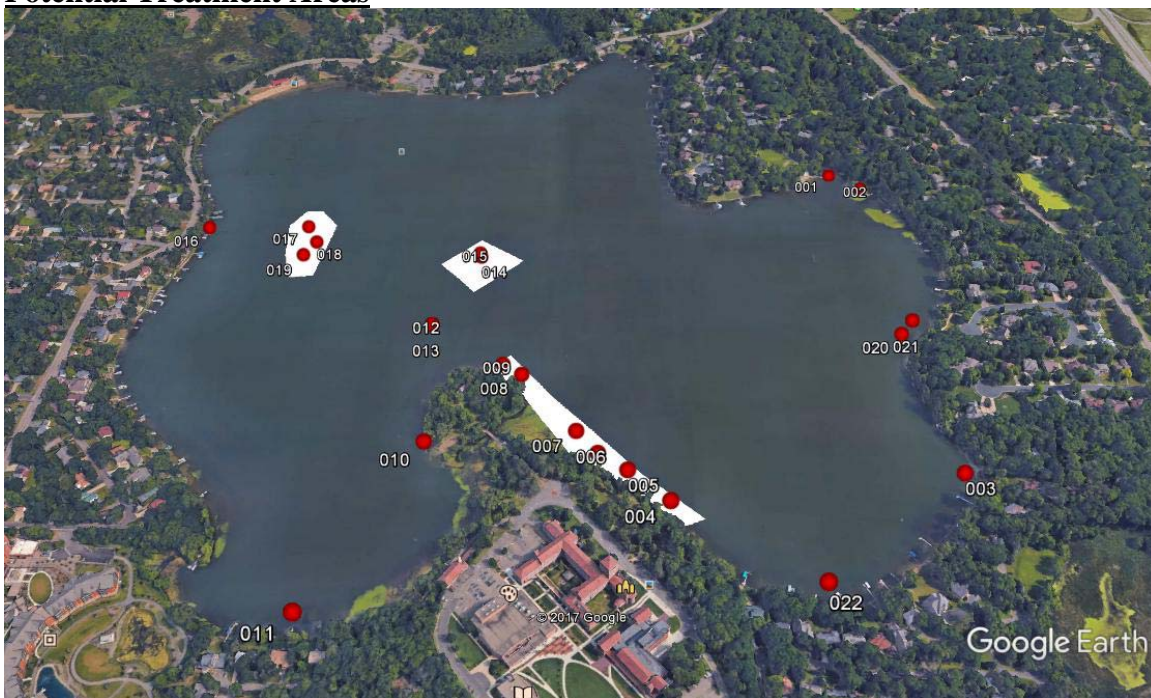
Density Scale	
1	Low
2	Mid
3	High



**June 26<sup>h</sup> Survey w/ contours**



**Potential Treatment Areas**



**June 26<sup>th</sup> Survey Pictures**

EWM located on south shore near college (Site 8)



Site 7





Sunken Island (Site 18)



Site 15



Site 20



Site 10

