

Lake Sarah 2014 EWM Post-Treatment Observations



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EWM Treatment Date: August 12 & 13, 2014

Post-Treatment Inspection Date: September 16, 2014

Summary

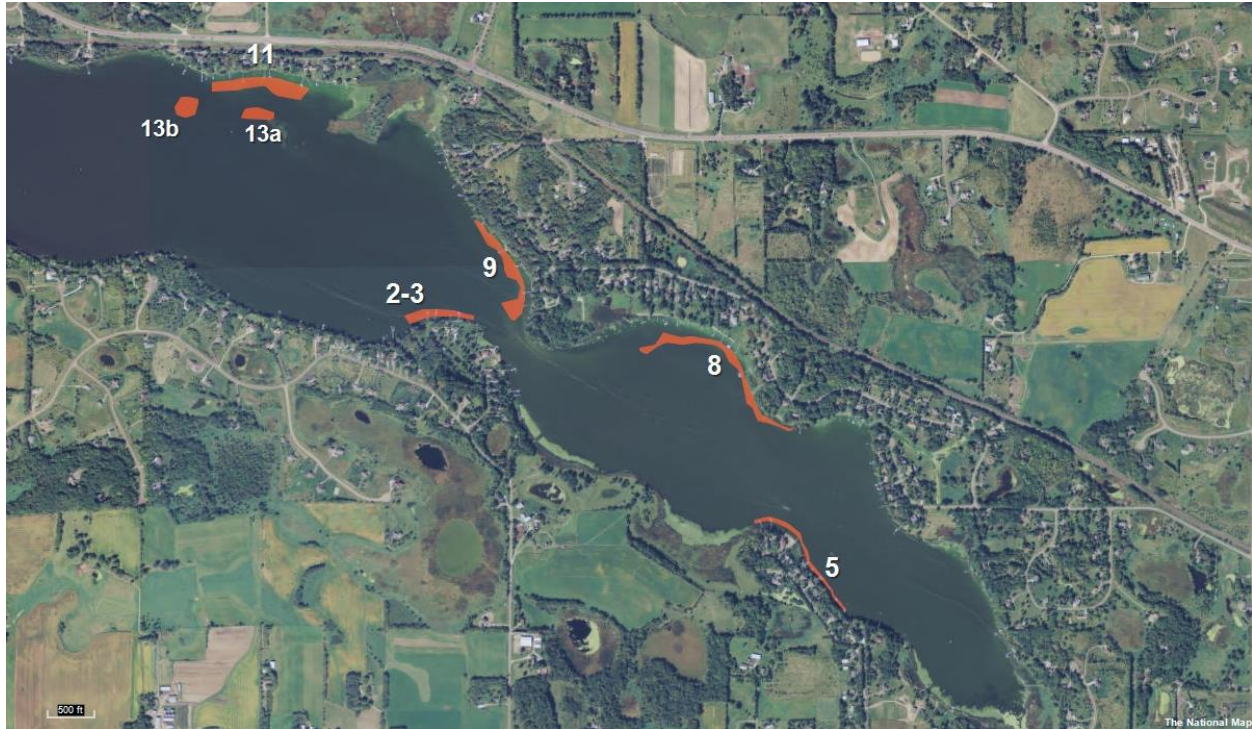
Eurasian Watermilfoil (EWM) was treated on August 12th and 13th at the sites shown on the map. On August 12th, the wind started to pick up towards the end of treatment, it was decided to stop treatment and finish the following day. On August 13th, ideal low wind conditions allowed treatment to be completed.

Many of the treatment sites still had numerous patches of EWM remaining, some more than others. The North Shore Drive area (sites 11, 13a & b) exhibited the best control. Site 9 had moderate control, with more EWM being found on the northern half of the treatment site. Site 2&3 had some narrow patches of EWM remaining. Site 5 had abundant EWM towards the northern portion of the treatment site, with the rest of the treatment site only have scattered plants. Site 8 had poor control, with abundant EWM found throughout the treatment sites.

Future EWM Treatment Recommendations

- Treat earlier in the season when EWM plants are more immature and not branching at the surface. Immature plants tend to be easier to control than mature plants that are already topped out at the surface. High water conditions in 2014 forced late EWM treatments for many lakes, and EWM seemed to get a slow start in 2014 as well.
- Be as selective as possible with optimum weather conditions (i.e, low wind). When treating small sites such as these, proper contact time is essential.
- When treating small sites, proper coverage of the herbicide during application is important, especially if EWM is dense. Passes 30 feet apart is generally a good rule of thumb in very small, narrow sites.
- For small sites (< 3 acres), continue treating at max label rate of 4 ppm. You can go at 2 ppm on larger sites as you will get more contact time with the herbicide. Size of sites is important, but also the shape. Narrow sites are difficult to get proper contact time in, thus control is not always achieved, especially if the depth drops off into deeper water quickly, in which dilution will occur sooner.

2014 Lake Sarah EWM Treatment Map



Area #	Acreage	Avg. Depth (ft.)	Rate	Treatment Conditions	Post-Treatment Observations (1-month post-treatment)
2&3	1.2	3	4 ppm	Low wind from NW	Narrow patches of EWM remain
5	1.2	3	4 ppm	Low wind from NW	Abundant EWM on northern half of treatment site
8	3	3	4 ppm	~6 mph wind from NW	Abundant EWM remains
9	2.7	3	4 ppm	Low wind from NW	Few scattered plants on south end of treatment site, northern end has more EWM remaining
11	3	3	4 ppm	~6 mph wind from NW	Great control, few scattered EWM plants remain
13a	0.8	3	4 ppm	~6 mph wind from NW	Great control, few scattered EWM plants remain
13b	1	3	4 ppm	~6 mph wind from NW	Great control, few scattered EWM plants remain

Total 12.9