



Northeast Aquatic Research, LLC

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July 25th, 2022

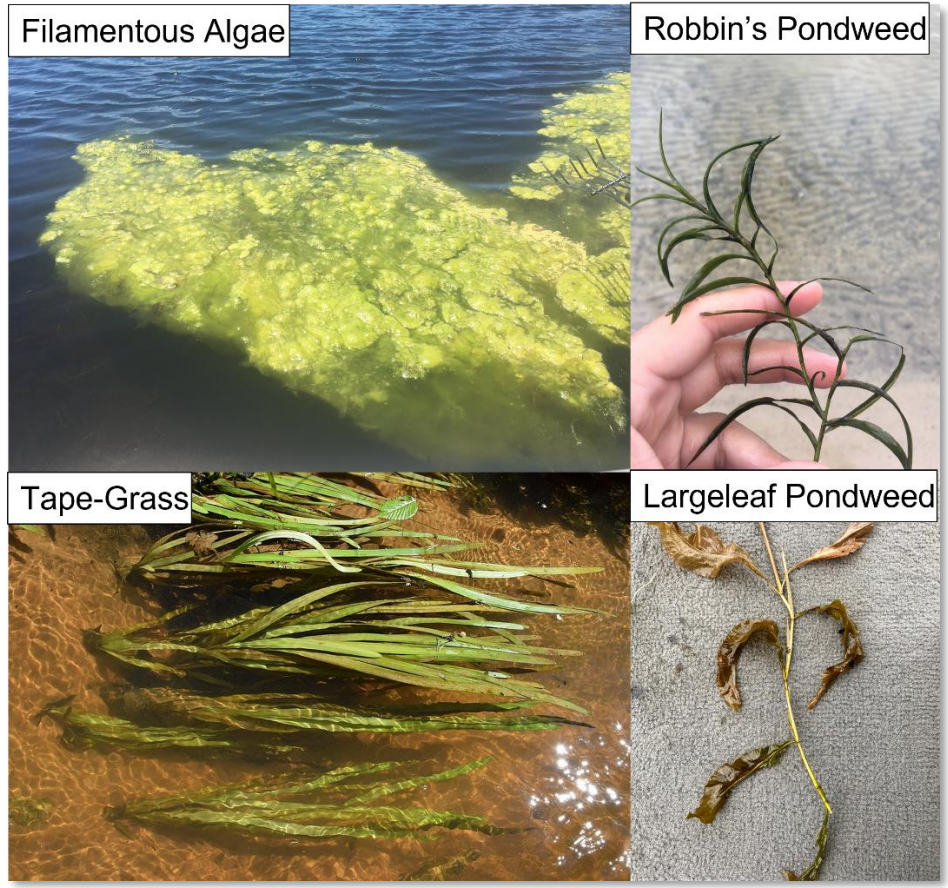
TO: Village of Tuxedo Lake, Board of Trustees
FROM: Alejandro Reyes, Aquatic Ecologist, CLM
Re: Preliminary ProcellaCOR Results – Tuxedo Lake

On Friday, July 22nd, NEAR staff performed a visual inspection of the shoreline of Tuxedo Lake to preliminarily assess the effectiveness of the ProcellaCOR treatment. There were multiple notes from residents that the treatment was effective in some areas and not in others. NEAR staff did not find any live Eurasian watermilfoil plants during the inspection, meaning that at this stage the treatment has been highly effective. Many traditional Eurasian watermilfoil stands such as the south end of the lake, north by the Dam, Turtle Point rd. and the shallows by Patterson Brook all had no visual Eurasian watermilfoil. Native plant populations preliminarily looked unaffected by the treatment, which is to be expected based on past ProcellaCOR applications. One of the reasons ProcellaCOR was chosen as the herbicide was that it had a track record of not impacting native plants, which is important for fish and wildlife habitat. NEAR is going to perform the annual survey between the end of August/early September to home in on the aquatic plant community further and assess the treatment effectiveness more completely. NEAR also spot-checked Little Wee Wah (Pond 3) in a few different locations and did not see any Eurasian watermilfoil present. As with Tuxedo, Little Wee Wah and Wee Wah will be surveyed at the end of August/early September for aquatic plants.

One possible source of confusion about the success of the treatment is that residents may not know exactly what Eurasian Watermilfoil looks like from the surface of a boat. Below is a mix of the various aquatic plants that can be found in Tuxedo Lake. Milfoil is distinguished from the other plants by the leaf shape, which has one center vein, and many smaller leaflets coming off either side. No other plants in Tuxedo exhibits this particular leaf pattern. Many of the plants were also covered in algae, which can certainly make identification from the surface difficult for the untrained eye.

Please feel free to contact me with additional questions or concerns.

Alejandro Reyes
Aquatic Ecologist and Certified Lake Manager



Pictures of dominant plants within Tuxedo Lake. Plant pictures are not from Tuxedo directly, just representative images.



Eurasian Watermilfoil