



Crescent Lake EWM Removal Report 2017

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Crescent Lake EWM Removal Summary 2017

Summary: On July 20th and August 23rd, Aquatic Plant Management LLC (APM) Conducted DASH and hand-harvesting services of Eurasian Watermilfoil (EWM) on Crescent Lake in Oneida County, WI. Our divers spent a combined total of 48.5 hours on the water and were able to successfully remove 18.9 cubic feet of EWM from the lake. The DASH boat was able to cover .09 acres of on July 20th. Under the direction of Terry Goldbach of Crescent Lake, we worked our way across the 2017 hand-harvest locations, systematically line-swimming in search of EWM occurrences. On their own time, several CLA board members had marked EWM occurrences with fluorescent buoys, greatly improving our efficiency on the water. On July 20th, we focused mainly on the EWM occurrences in the northern bay of the lake, before working our way to several locations on the southern shoreline. On August 23rd, we first focused our hand-harvesting efforts on several small colonies in the northwestern corner of the lake, before working our way clockwise around the shoreline, ultimately ending just inside the southern lobe of the lake.

Dive Conditions: Conditions on 7/20/17 were ideal for EWM hand-harvesting. Sunny skies with light winds persisted throughout the day. The air temperature was recorded at 88 degrees, while the water temperature was recorded at 74 degrees. Conditions on 8/23/17 were also ideal, with scattered clouds and light winds. The air temperature was recorded at 65 degrees, while the water temperature was recorded at 72 degrees. A secchi disk reading on both days indicated water visibility was roughly 10.5 feet.

Recommendations: While we were able to remove nearly all visible EWM from the targeted EWM control areas, heavy native aquatic vegetation may be obscuring smaller EWM occurrences. Due to this fact, frequent monitoring and continued management efforts are vital to prevent proliferation of EWM throughout the rest of Crescent Lake.



Detailed DASH Diving Activities

Date	Latitude	Longitude	Hours Underwater	Avg Plant Height	Avg Water Depth	Cubic Feet Removed	Substrate Type	EWM Condition	Native Growth
7/20/17	45.61578	-89.52153	0.42	4	8	0.2	Organic	Healthy	Abundant
7/20/17	45.61597	-89.52156	0.58	4	8	0.1	Organic	Healthy	Abundant
7/20/17	45.61635	-89.52209	0.50	3	7	0.25	Organic	Healthy	Abundant
7/20/17	45.61628	-89.52386	1.00	2.5	3.5	1	Sandy	Healthy	Abundant
7/20/17	45.60004	-89.52774	0.83	6	9.5	1.25	Sandy	Healthy	Abundant
7/20/17	45.60011	-89.52774	0.92	6	10	1	Sandy	Healthy	Abundant
7/20/17	45.60242	-89.53056	0.33	3	3	0.2	Organic	Healthy	Abundant
7/20/17	45.6026	-89.53014	0.25	2.5	2.5	0.1	Organic	Healthy	Abundant
7/20/17	45.60257	-89.52961	0.17	3	3	0.1	Organic	Healthy	Abundant
7/20/17	45.60247	-89.5295	0.17	3	3	0.1	Organic	Healthy	Abundant
7/20/17	45.61473	-89.5198	0.42	6	9.5	1	Sandy	Healthy	Abundant
7/20/17	45.61495	-89.51995	0.25	5.5	8	0.75	Sandy	Healthy	Abundant

Estimated Native By-Catch (cubic feet)

Pondweeds	Eel Grass	Northern Milfoil
1.0	0.1	0.1

Detailed Hand Harvesting Diving Activities

Date	Latitude	Longitude	Hours Underwater	Avg Plant Height	Avg Water Depth	Cubic Feet Removed	Substrate Type	EWM Condition	Native Growth
8/23/17	45.61399	-89.52869	1.08	8.5	12	4	Organic	Brittle	Abundant
8/23/17	45.61447	89.52905	0.17	4	5	1	Organic	Brittle	Abundant
8/23/17	45.61483	-89.52864	0.08	4	4	0.5	Sandy	Brittle	Abundant
8/23/17	45.61538	-89.52726	0.17	4.5	4.5	1	Sandy	Brittle	Abundant
8/23/17	45.61582	-89.52637	0.17	3.5	3.5	0.75	Sandy	Brittle	Abundant
8/23/17	45.61587	-89.52573	0.67	4	4	2.5	Sandy	Brittle	Abundant
8/23/17	45.61645	89.52449	0.33	2.5	2.5	0.5	Sandy	Brittle	Sparse
8/23/17	45.61648	-89.52299	0.50	3	3	0.5	Sandy	Brittle	Abundant
8/23/17	45.61648	-89.52269	0.83	7	9	2	Organic	Brittle	Abundant
8/23/17	45.61052	-89.51371	0.33	2	4	0.1	Sandy	Brittle	Abundant

EWM Pictures



EWM Pictures

