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9/12/17

2017 Crystal Lake Milfoil Removal Project

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The Crystal Lake Milfoil Removal project for 2017 commenced on August 7, 2017 and was completed on August 31, 2017. The purpose of the project was to remove Variable Leaf Milfoil (*Myriophyllum heterophyllum*) from localized areas of the lake. The project consisted of 120.567 contracted hours of Diver Assisted Suction Harvesting time and an additional 20 hours of time donated by New England Aquatic Services which was completed in 14 working days.

The total area and locations where the harvesting was done can be seen in the attached map, Appendix A. The first two days of the project were spent in the dam area. The third day was spent surveying the condition of the lake, identifying the known locations of milfoil growth, and searching the lake proper for any additional or new patches which may have appeared. There were no new areas of milfoil growth identified. Time was spent working on removing milfoil from the area outside of the Northeast Cove. The fourth day of the project began with additional hunt and pick time around the lake then focused on beginning removal efforts in the area off the town beach. Days five through eleven were spent with time split between Aborn Cove and the area off of the Town Beach with the main focus on the Town Beach Area. Days eleven and Twelve consisted of more time in the dam area while returning to the Town Beach for the remaining time until the project was finished at noon on day fourteen.

The table below shows the daily hours, total work hours, the area covered each day, as well as the number of bags removed.

Day	Hours	# of Crew	Total Hours	Area Covered	Bags
1 Aug 7	12:20-3:20	2	6	.33	8
2 Aug 8	8:00-3:00	2	13	.59	20
3 Aug 9	8:30-4:00	2	15	.35	10
4 Aug 10	7:35-3:15	2	15	.21,.49,.1	15
5 Aug 11	7:45-2:00	2	12	.1,.1	12
6 Aug 14	12:15-3:15	1.5	4.5	.12	5
7 Aug 15	7:30-3:30	1.5	12	.14,.32,.27	12
8 Aug 16	7:30-3:15	1.5	11.25	.22	16
9 Aug 17	7:45-3:15	1.5	11.5	.1,.15	27
10 Aug 18	7:30-2:10	1	6.25	.1,.1	10
11 Aug 28	10:30-3:15	2	9.5	.1,.26, .1	6
12 Aug 29	8:30-11:00	2	5	.37	5
13 Aug 30	8:45-2:45	2	12	.1	14
14 Aug 31	8:15-12:00	2	7.5	.1,.11	17
Total			140.5 hours	4.93 acres	177

Hours and Area by Location

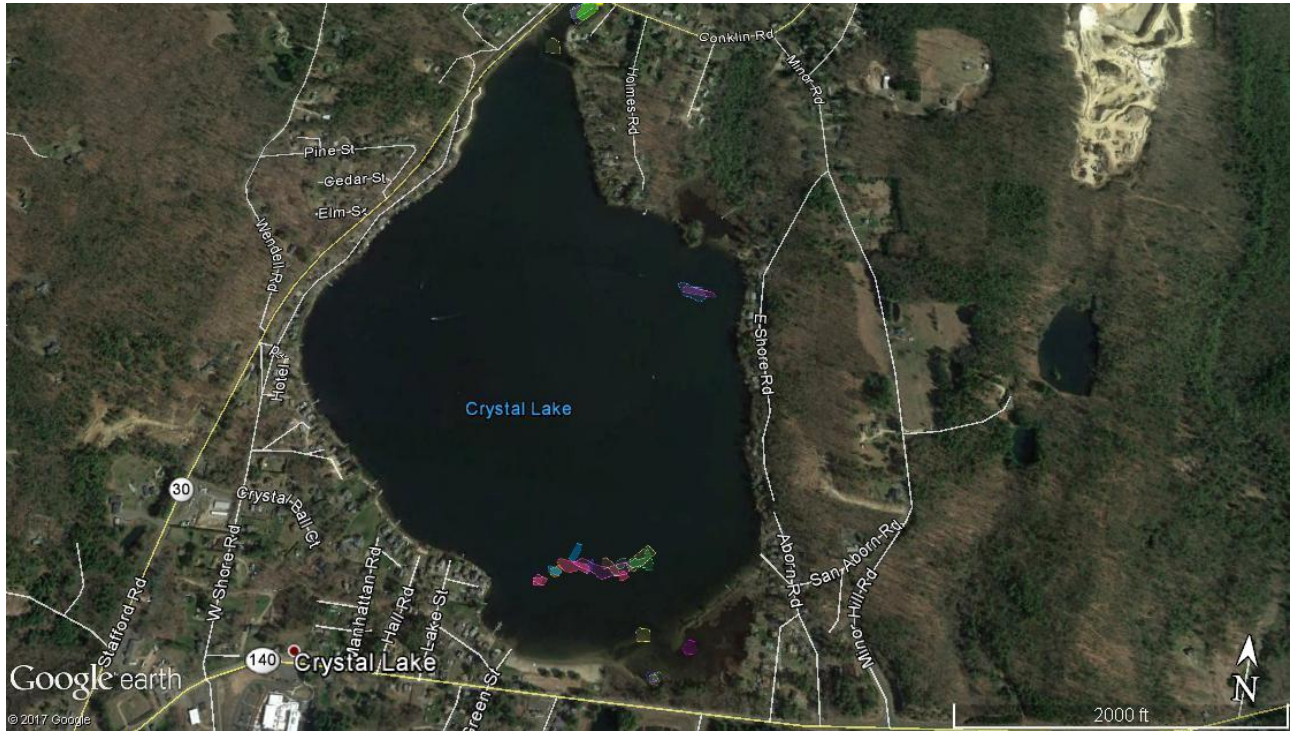
	Hours	Area
Town Beach	76.75	1.73 acres
Dam Area	25.5	1.23 Acres
Northeast Cove	14	.21 Acres
Aborn Cove	20.25	.3 Acres
Hunt and Pick	4	

Representative GPS Coordinates for Each Area

Town Beach		Dam Area		Northeast Cove		Aborn Cove	
1208	41° 56' 01.3" -72° 22' 20.5"	1291	41° 56' 40.9" -72° 22' 24.7"	1244	41° 56' 19.5" -72° 22' 10.4"	1278	41° 55' 54.8" -72° 22' 12.8"
1273	41° 56' 01.5" -72° 22' 15.1"	1231	41° 56' 41.5" -72° 22' 25.0"	1245	41° 56' 19.9" -72° 22' 12.8"	1257	41° 55' 56.6" -72° 22' 10.4"
1295	41° 56' 00.5" -72° 22' 22.2"	1260	41° 56' 37.8" -72° 22' 27.5"	1237	41° 56' 19.3" -72° 22' 11.3"	1258	41° 55' 57.1" -72° 22' 14.4"
1263	41° 56' 02.0" -72° 22' 14.3"	1235	41° 56' 41.0" -72° 22' 24.8"	1240	41° 56' 19.5" -72° 22' 12.1"	1265	41° 55' 55.1" -72° 22' 13.4"

Appendix A

Entire Lake



Dam Area



Northeast Cove



Aborn Cove



Town Beach

