

HARVESTING REPORT

By AB Aquatics, Inc.

Location: Lunenburg, MA Hickory Hills Lake

Dates: From: Monday, September 10, 2018; - To: Friday, September 14, 2018

Exotic Plants: Fanwort

Diver(s): Mike Briggs

Crew: Shane Perkins, Ben Carver

Amounts: 1,520 Total Gallons 25.25 Total hours worked

Detail report included (check): Excel spreadsheet ☒ Map(s) ☒ Other ☐

Report: **Monday 9/10:** Dive began just outside the major part of the lake in a shallow tucked away cove. The dive team made its way through the high density of native plants to gain access to farthest end of the cove. Fanwort plants were numerous and easy to spot due to lowering of the lake. The diver mentioned that due to high density of plants and silt that visibility was very low. Fanwort was found in high density's and had a estimated length of 4-8 feet. Towards the end of our dive we ventured out towards the main body of water concluding our day near a grey raft with to folded chairs on top.

Tuesday 9/11: The dive began at the very center of zone 14. The diver initiated a north/south search pattern spanning shore to shore and moving in an easterly direction. The diver encountered small patches and single plants scattered throughout the cove, some marked and some unmarked, as he searched toward the mouth of the cove. As the diver reached the mouth of the cove he continued searching south toward the border of zones 14 and 15. I. The open water at the eastern edge of zone 14 just east of the peninsula forming 14's southern boundary the diver found a succession of medium to large sized patches approximately 50 feet from shore. These patches grew up to 10 feet in length and comprised most of the volume pulled throughout the dive. The diver then moved on to work the border between zones 14 and 15. The diver reported finding three small patches near this border with plants growing up to 7 feet in length. Before the dive could progress farther the crew experienced an equipment failure and were forced to end the dive.

Wednesday 9/12: Dive started at the mouth of Walt's cove however due to strong winds we moved to the inside of cove and worked north out of cove. Diver searched in an east west pattern encountering numerous patches of growth from 3-10 feet in height. Heavy rain at times as well as silt and native plants made the search difficult. Diver cleared numerous markers as well as finding many more patches which were unmarked.

Thursday 9/13: Dive began where we left off yesterday in the shallow cove of section 6. We continued to find well rooted fanwort within the entire cove with most plants ranging in length between 1-5 feet in length. As the diver made his way into more shallow areas towards the south we found numerous plants. Once we cleared this area our search patterns continued towards the north with east to west movements. We continued in this area until the end of the dive.

Friday 9/14: Dive began 50 feet from shore in S-6. Diver swam a east west pattern searching roughly 100-150 feet in each direction of boat shore to shore. Diver noted native plants made searching and swimming difficult near shorelines. Diver found plants ranging. from 1-6 feet in small but consistent patches scattered through cove. Total yield 17 bags.

By: Al Hoch ; Date submitted September 18, 2018

						Harvest Method & Hrs.			
	Vessel Used	Harvest locations	Yield (Gal)	Bottom types	Density (1-4)	ABA DASH	2nd DASH Diver	Hand Pull	Survey
Monday, September 10, 2018	20D4	Small cove directly south of the boat launch	260	Silt & native	4-2	4.00			
Tuesday, September 11, 2018	20D4	Center Zone 14 to border with Zone 15	140	Silt & native	2-1	5.25			
Wednesday, September 12, 2018	20D4	Site 6 Walt's cove	560	Silt & native	4-2	8.00			
Thursday, September 13, 2018	20D4	Site 6	220	Silt & native	2-1	4.00			
Friday, September 14, 2018	20D4	Site 6	340	Silt & native	2-1	4.00			

