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Extraction Report

Location: Monomonac Lake, Rindge, NH
Date(s): August 26, 2026, August 27, 2026
Exotic/Invasive Plants: Variable milfoil
Diver(s): Sarah MacNeilage Patey, Jamie Burleigh
Support Crew: None
Total amount extracted (in gallons): 42.0
Total time worked (in hours): 15.5
Detailed report includes: Narrative, Maps, Log, Photos

Narrative:

Divers transited to the mouth of Heron Point cove. Coming into the area, they noticed the native grass had grown far into lake and into the cove, making a dense cover to boat through. Divers could see variable milfoil plants from the surface. They marked ten small and single frond plants from the surface. While extracting they found another ten small or single frond plants. Plants grew amongst the abundant native grass and watershield in water six feet deep and very dark. All plants exhibited shallow, easily extractable roots in loose silt. Divers crossed the lake to the New Hampshire and Massachusetts border shoreline where the old, sickly plant was extracted earlier in the season. They marked five small plants seen from the surface. Plants were in a line across the spot where the previous plant was mapped. Plants were small and very small in water five feet deep. Plants with longer fronds were found on the edge of the lily pads. At the pull pit there was minimal regrowth. More plants were found from under the native milfoil because a single frond was visible, but once uprooted there were up to three fronds. Divers transited to the shallow cove off East Monomonac Road on the New Hampshire and Massachusetts border. They marked four plants, three small and one medium, from the surface. All plants were intermingled or covered by dense bladderwort and native milfoil. The medium size plant reached the surface. Divers returned to Heron Point cove and started marking plants in the cove. They extracted small and single frond plants from just inside the mouth of the cove. Divers determined they'd need to return to this cove the next day to finish extraction.

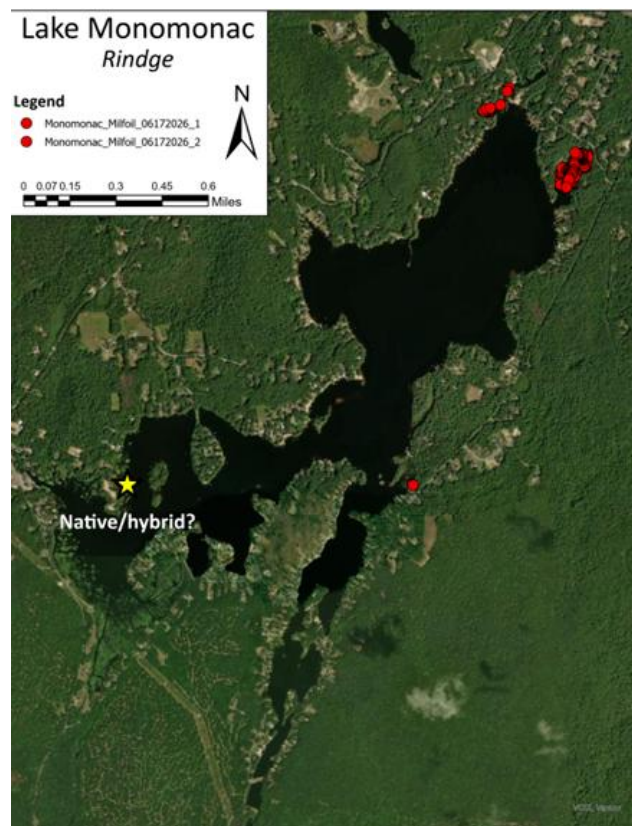
Divers started the second day back in Heron Point cove. Divers were impressed with the native plants' (bladderwort, grass, and native milfoil) ability to rebound and take root in the entire area, including the pull pits from the variable milfoil extraction earlier in the season. Divers boated to the long, narrow cove just outside and north of Heron Point cove. Divers marked the areas from this season's map and two more in between where they saw plants from the surface. They extracted two medium plants at the mouth of the cove, and six very small, with two to three fronds with one frond being taller than the others, plants. Many fragments were found in the lily pads. Divers returned to Heron Point cove to complete extraction there. They searched the cove again, finding small and single frond plants occasionally. Additionally, a large, surface level, mature, flowering plant two feet deep was

found near the brook. Divers extracted the whole of this plant and found two more small plants in the vicinity of the brook.

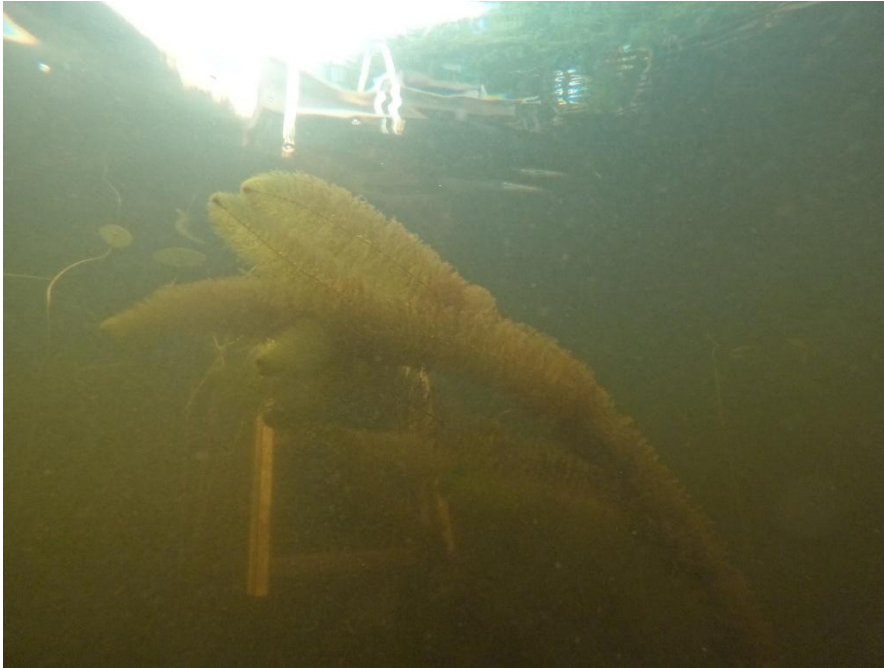
Log:

Diver	Date	Water Body	Vessel Used	Extraction Location	Number of Bags	Yield (Gallons)	Bottom Type
Sarah MacNeilage Patey	8/26/2026	Lake Monomonac	16' Starcraft	Heron Point cove mouth	1	3.50	Silt
Jamie Burleigh	8/26/2026	Lake Monomonac	16' Starcraft	Heron Point cove mouth	1	2.50	Silt
Sarah MacNeilage Patey	8/26/2026	Lake Monomonac	16' Starcraft	Hybrid plant	1	1.50	Silt
Jamie Burleigh	8/26/2026	Lake Monomonac	16' Starcraft	Hybrid plant	1	1.00	Silt
Sarah MacNeilage Patey	8/26/2026	Lake Monomonac	16' Starcraft	East Monomonac Road	2	4.00	Silt
Jamie Burleigh	8/26/2026	Lake Monomonac	16' Starcraft	East Monomonac Road	1	negligible	Silt
Sarah MacNeilage Patey	8/26/2026	Lake Monomonac	16' Starcraft	Heron Point cove	1	2.50	Silt
Jamie Burleigh	8/26/2026	Lake Monomonac	16' Starcraft	Heron Point cove	1	2.50	Silt
				8/26/2026 total		17.50	
Sarah MacNeilage Patey	8/27/2026	Lake Monomonac	16' Starcraft	Heron Point cove	5	10.50	Silt
Jamie Burleigh	8/27/2026	Lake Monomonac	16' Starcraft	Heron Point cove	5	10.50	Silt
Jamie Burleigh	8/27/2026	Lake Monomonac	16' Starcraft	Long, narrow cove	1	3.50	Silt
				8/27/2026 total		24.50	
				Total gallons extracted		42.00	

Map:



Photos:



Top & Bottom Left:

Variable milfoil found in the mouth of Heron Point cove. Plants were found throughout the sprawling grass.

Top left: A tall variable milfoil plant right off the dock in the mouth of Heron Pond cove.

Bottom left: A multi-frond variable milfoil plant from inside the native grasses in Heron Point cove.



An example of variable milfoil found near the New Hampshire and Massachusetts border, where previously this season a large, much older plant was extracted. Plants were small, but only one frond would be visible from above the native plants.



One of the small variable milfoil plants from the extraction site off East Monomonac Road. Plants were rooted in native bladderwort and milfoils almost to the point where they were covered by them.



The medium-size variable milfoil plant seen from the surface off East Monomonac Road. Fronds were long, bright green, and tangled in the abundant and healthy bladderwort.



One of the larger, regrowth variable milfoil plants in Heron Point cove. Most plants were visible from the surface.



Top & Bottom Right:
Small variable milfoil
plants from inside Heron
Point cove.

