



Sarah MacNeilage Patey, DBA Diver for Hire, Epping, NH
diverforhirenh@gmail.com

Jamie Burleigh, DBA LTD Diving, Nottingham, NH
ltddivingnh@gmail.com

August 9, 2025

Extraction Report

Location: Country Pond, Newton/Kingston, NH

Date(s): July 29, 2025, July 30, 2025, August 6, 2025, August 7, 2025, August 8, 2025

Exotic/Invasive Plant(s): Brittle naiad

Diver(s): Sarah MacNeilage Patey, Jamie Burleigh

Support Crew: None

Total amount extracted (in gallons): 55.75

Total time worked (in hours): 37.50

Detailed report includes Extraction Narrative, Extraction Log, Map, Photos

Narrative:

Divers conversed with Greg, of Country Pond, and determined a course of action, prioritizing extraction in public areas on the map. On the first day, divers started at Lake Road cove, where they encountered small, no more than one foot tall, brittle naiad plants along the duckweed in the inner cove on the same side as the houses. Underwater it was very dark with low visibility; divers were easily silted out. Plants had shallow roots. Divers transited to the area on the other side of the boat launch, where there is a communal dock. On either side of wooden dock, divers extracted four very small plants along the lily pads. One other tiny plant was extracted at the other side of the beach. Divers moved onto the former Boy Scout Camp off Lone Tree Road. There, in the beach area and swimming platforms, plants of various sizes were growing up under the algae, silt, sand, and elodea. Plants were taller in the deeper water near the swim platforms, while they were denser and shorter in the beach area. Divers returned to Lake Road cove, which was still very silty, but they were able to clear the plants closer to the open water of the pond, to begin on the denser area deeper in the cove in the morning.

Divers began the second day back at Lake Road cove. There they continued to extract deeper in the cove, where the large swath is. The visibility is very low and dark, and they were silted out once again. Divers transited to the points off Marcoux Road, where they extracted tiny plants along shoreline and into the next beach south. In the Whispering Pines Campground cove, divers extracted a low number of plants behind the jet skis and in the beach area, finding a field situated between the Four Winns speedboat and the Godfrey blue-bodied pontoon boat. This field was dense and very green. Plants reached up to the surface in about four feet of water. Divers divided the area, and while one extracted from between the boats, the other extracted single plants growing amongst the ferns and grass between the boats and the lily pads. These single plants reached above the other plants but still had a foot between them and the surface. Additionally, these plants appeared sunburnt; leaves exhibited brown spots. Divers again returned to Lake Road Cove, where they extracted until they were silted out again.

Divers began the third day at the town beach. There they extracted a gallon of very small brittle naiad plants from in the reeds located between the next house north and the town beach. Four plants were extracted from the reeds and lily pads just off the swim line on the north side of the town beach. Plants in these two areas were no taller than a foot, most being about six inches tall. All were right up against the shoreline in water less than a foot deep. Divers transited back to Lake Road cove, where another two gallons was extracted from the middle of the cove. Divers were silted out again. On Greg's direction, divers transited to the area spanning the beach and lily pads just past (south) of the boat launch on Sunshine Drive. In September of last season (2024), he'd seen large masses of brittle naiad, much like what divers extracted in front of the boat launch and beach off Sunrise Drive. The largest growth was extracted from the lily pads just north of the campground beach. There, a large cluster of plants two to three feet tall in water five feet deep yielded five gallons. No plants were seen in the area right in front of the beach. Sporadic plants grew along the lily pads throughout the area and farther in the open water. Plants farther out in open water were a foot tall or shorter in water six feet deep.

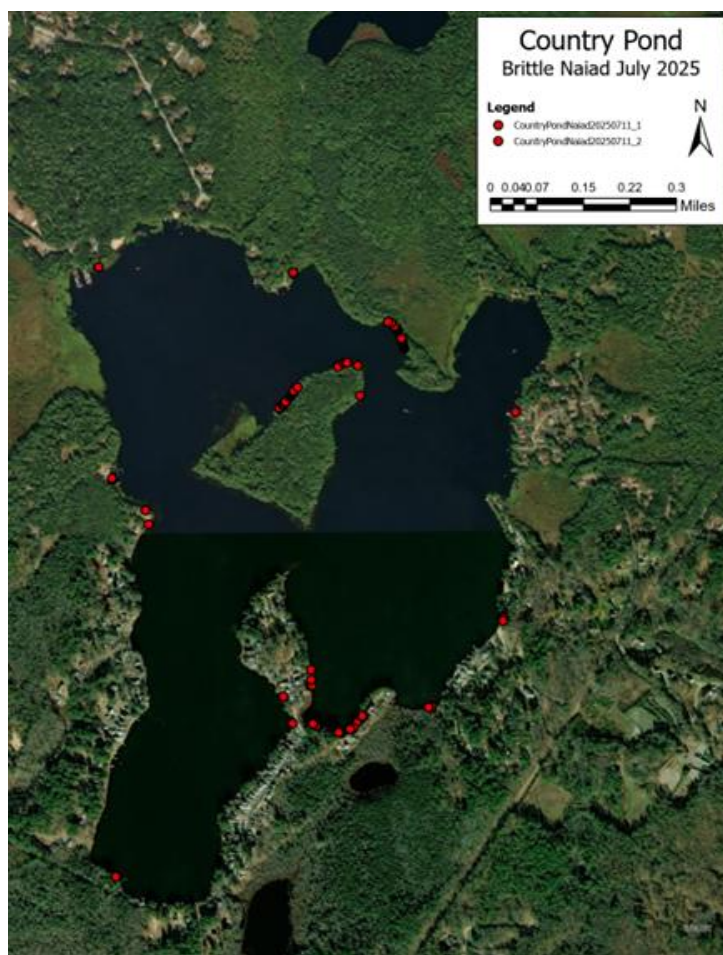
On the fourth day, divers anchored on the right (north) side of Lake Road cove and extracted towards the middle, to clear that edge. Brittle naiad plants were found in small clusters from this side towards the middle in water four feet deep. Plants ranged in size from just sprouting to just under a foot tall. Divers extracted another four gallons from the middle towards the southern edge. Divers returned to the beach off the campground. They divided the area. One diver rechecked the edge of the lily pads and the swim lines, where another four gallons were extracted. The other diver searched deep in the lily pads and in the open water next to the shoreline. A large cluster of plants was found at the edge of the lily pads and the open water area along the shoreline. Divers continued their search past the lily pads and concluded their search for the day behind the first two boats at the boat launch.

Divers began the fifth day extracting the brittle naiad plants off Ridge Road and Wilders Grove Road. Starting with the end of retaining wall of the large brown house off Ridge Road to the docked boats on Wilders Grove Road, plants were small, not exceeding one foot tall rooted in sand. Only some of the plants on the far end at the Wilders Grove Road site were found in silt. These plants were also the only plants extracted offshore. All other plants were extracted from right up on beaches, reeds, and docks. Divers noted plants along the beach at the farthest in marks had much darker stems than usual, bordering on black. Divers transited to the area off the island where no marks on map, and they'd extracted heavily last season (2024). In the open water and in the area between the lily pad island and those jutting out from the island, the bottom was covered in baby brittle naiad plants. In the reeds and lily pads along the southern edge of the island, there were many plants rooted at the bases of the lily pads. These plants reached one and a half feet tall. Across the way, along the northern edge of the island, divers extracted a negligible number of plants from right on the algae covered rocks. Divers did not see any plants beyond these in deeper water.

Log:

Diver	Date	Water Body	Vessel Used	Extraction Location	Number of Bags	Yield (Gallons)	Bottom Type
Sarah MacNeilage Patey	7/29/2025	Country Pond	16' Starcraft	Lake Road cove	1	1.00	Silt
Jamie Burleigh	7/29/2025	Country Pond	16' Starcraft	Lake Road cove	1	3.00	Silt
Sarah MacNeilage Patey	7/29/2025	Country Pond	16' Starcraft	Gazebo Point	1	negligible	Silt
Jamie Burleigh	7/29/2025	Country Pond	16' Starcraft	Gazebo Point	1	negligible	Silt
Sarah MacNeilage Patey	7/29/2025	Country Pond	16' Starcraft	Lone Tree Road beach	1	1.50	Silt, sand
Jamie Burleigh	7/29/2025	Country Pond	16' Starcraft	Lone Tree Road beach	1	1.50	Silt, sand
Jamie Burleigh	7/29/2025	Country Pond	16' Starcraft	Lake Road cove	1	1.00	Silt
				7/29/2025 total		8.00	
Sarah MacNeilage Patey	7/30/2025	Country Pond	16' Starcraft	Lake Road cove	1	1.50	Silt
Jamie Burleigh	7/30/2025	Country Pond	16' Starcraft	Lake Road cove	2	4.00	Silt
Sarah MacNeilage Patey	7/30/2025	Country Pond	16' Starcraft	Marcoux Road	1	negligible	Sand
Jamie Burleigh	7/30/2025	Country Pond	16' Starcraft	Marcoux Road	1	0.50	Sand
Sarah MacNeilage Patey	7/30/2025	Country Pond	16' Starcraft	Whispering Pines Campground cove	2	1.25	Silt
Jamie Burleigh	7/30/2025	Country Pond	16' Starcraft	Whispering Pines Campground cove	3	10.00	Silt
Jamie Burleigh	7/30/2025	Country Pond	16' Starcraft	Lake Road cove	1	3.00	Silt
				7/30/2025 total		20.25	
				Wenmarks Grove Town Beach			
Sarah MacNeilage Patey	8/6/2025	Country Pond	16' Starcraft	Beach	1	1.00	Sand
Jamie Burleigh	8/6/2025	Country Pond	16' Starcraft	Wenmarks Grove Town Beach	1	negligible	Sand
Sarah MacNeilage Patey	8/6/2025	Country Pond	16' Starcraft	Lake Road cove	1	negligible	Silt
Jamie Burleigh	8/6/2025	Country Pond	16' Starcraft	Lake Road cove	1	2.00	Silt
Sarah MacNeilage Patey	8/6/2025	Country Pond	16' Starcraft	Golden Acres Campground to Sunshine Drive	3	1.50	Silt
Jamie Burleigh	8/6/2025	Country Pond	16' Starcraft	Golden Acres Campground to Sunshine Drive	3	6.00	Silt
				8/6/2025 total		10.50	
Sarah MacNeilage Patey	8/7/2025	Country Pond	16' Starcraft	Lake Road cove	1	0.50	Silt
Jamie Burleigh	8/7/2025	Country Pond	16' Starcraft	Lake Road cove	2	4.50	Silt
Sarah MacNeilage Patey	8/7/2025	Country Pond	16' Starcraft	Golden Acres Campground to Sunshine Drive	2	3.25	Silt
Jamie Burleigh	8/7/2025	Country Pond	16' Starcraft	Golden Acres Campground to Sunshine Drive	2	4.25	Silt
				8/7/2025 total		12.50	
Sarah MacNeilage Patey	8/8/2025	Country Pond	16' Starcraft	Ridge Road/Wilders Grove Road	1	0.75	Silt, sand
Jamie Burleigh	8/8/2025	Country Pond	16' Starcraft	Ridge Road/Wilders Grove Road	1	0.25	Sand
Sarah MacNeilage Patey	8/8/2025	Country Pond	16' Starcraft	Northwestern side island	1	1.50	Silt
Jamie Burleigh	8/8/2025	Country Pond	16' Starcraft	Northwestern side island	1	negligible	Silt
Sarah MacNeilage Patey	8/8/2025	Country Pond	16' Starcraft	Northeastern side island	1	negligible	Rocks
Jamie Burleigh	8/8/2025	Country Pond	16' Starcraft	Northeastern side island	1	negligible	Rocks
				8/8/2025 total		2.50	
				Total gallons extracted		53.75	

Map:



Photos:



Left: Brittle naiad plants in the darkness of the cove off Lake Road. Plants were reasonably small in a very silty bottom.

Right: A large swath of brittle naiad plants in between the boats at the Whispering Pines Campground cove. Plants were just under the surface.





Top left & right: Brittle naiad plants off the Marcoux Road and Ridge Road beaches, respectively. Plants like these are representative of those found at the Lone Tree Road Campground and Wilders Grove Road beaches as well.

Bottom left: Tall brittle naiad plants from within the lily pads between the Golden Acres Campground beach to Sunshine Drive, where divers found two large clusters of plants.