

Aquatic Invasive Species Management Report

Moody Pond

June 27-30, 2022

Prepared By:

Upper Saranac Foundation
It still is, and always will be, about Water Quality



Upper Saranac Lake Foundation

P.O. Box 564, Saranac Lake, NY 12983

www.usfoundation.net

Overview

The Upper Saranac Foundations Aquatic Invasive Divers (AID) worked out of the private beach residence of the Dumas family. This location provided convenience to known aquatic invasive species (AIS) infestation locations. A three-person crew and on occasion, four-person crew devoted 130 hours of work in the week of June 27-30, 2022. The focus of the week was to hand-harvest AIS before plants matured and fragmented, and to identify any AIS outside previously known locations. For the week, divers removed 2,309 plants totaling 2.76 bags of Eurasian watermilfoil or 69 pounds.

A preliminary survey of the pond found limited dense milfoil beds. In addition to documenting poundage of AIS removed, data was also collected counting the number of plants harvested and their locations. Maps and data are used to track milfoil and compare changes and reduction of abundance over time. This technique has been used since 2015 on Upper Saranac Lake. This provides an accurate way to quantify progress and assess efficacy of our management techniques.

The divers, trained in AIS identification found only one type of invasive; Eurasian watermilfoil. The team was pleased to find mostly small plants, with little larger old growth milfoil.

Total poundage harvested was low since most growth was small immature plants; less than six inch in size. The majority of milfoil was located in the north-western part of the pond nearest the Baker Mountain trailhead. Only one Eurasian watermilfoil plant was located on the far shore.

Our divers utilized a variety of techniques to locate and hand harvest AIS, including surface spotting from paddle boards, Hookah air compressor diving, line swims, and snorkeling. Divers repeatedly returned to known heavier growth areas.

Future Plans

The Upper Saranac Foundation AID team will tentatively return the week of September 12-15. The spacing of management periods will allow any AIS not found, and not already harvested, to emerge and be identified. The duration between management periods is limited so that new plants will not become mature enough to fragment and start additional growth.

Operations

Week of June 27-30, 2022

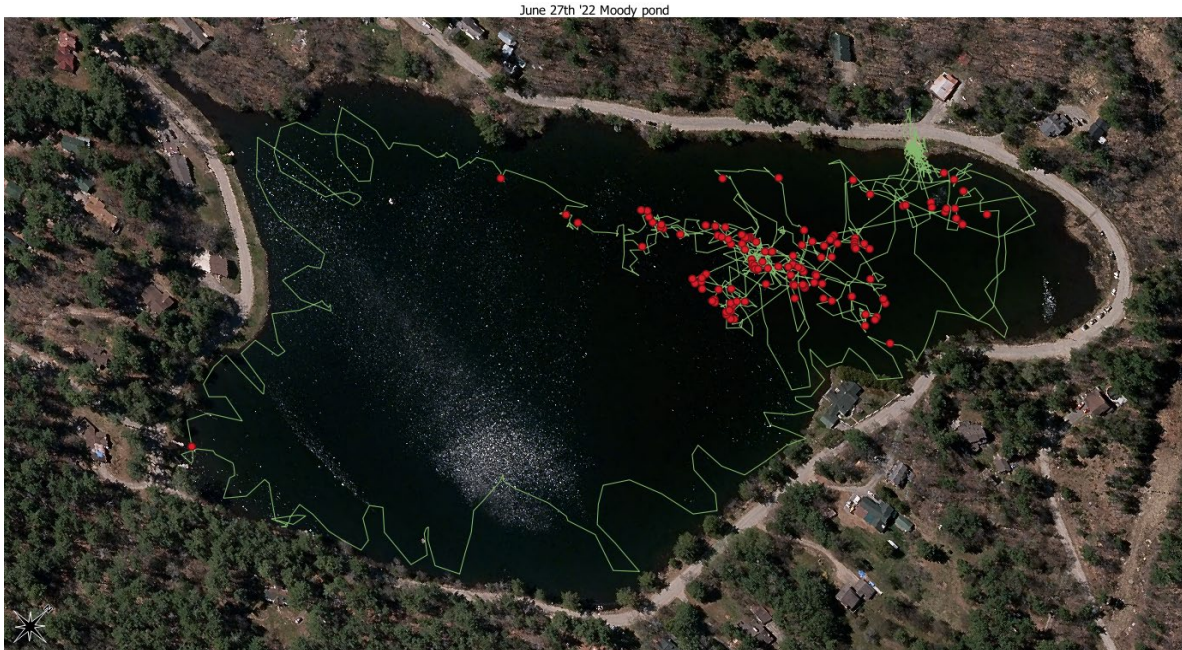
June 27th-30th '22 Moody pond



Harvest Data for the Week: 130 of diver hours removed 2,309 plants totaling 2.76 bags of Eurasian watermilfoil or 69 pounds.

Monday June 27, 2022

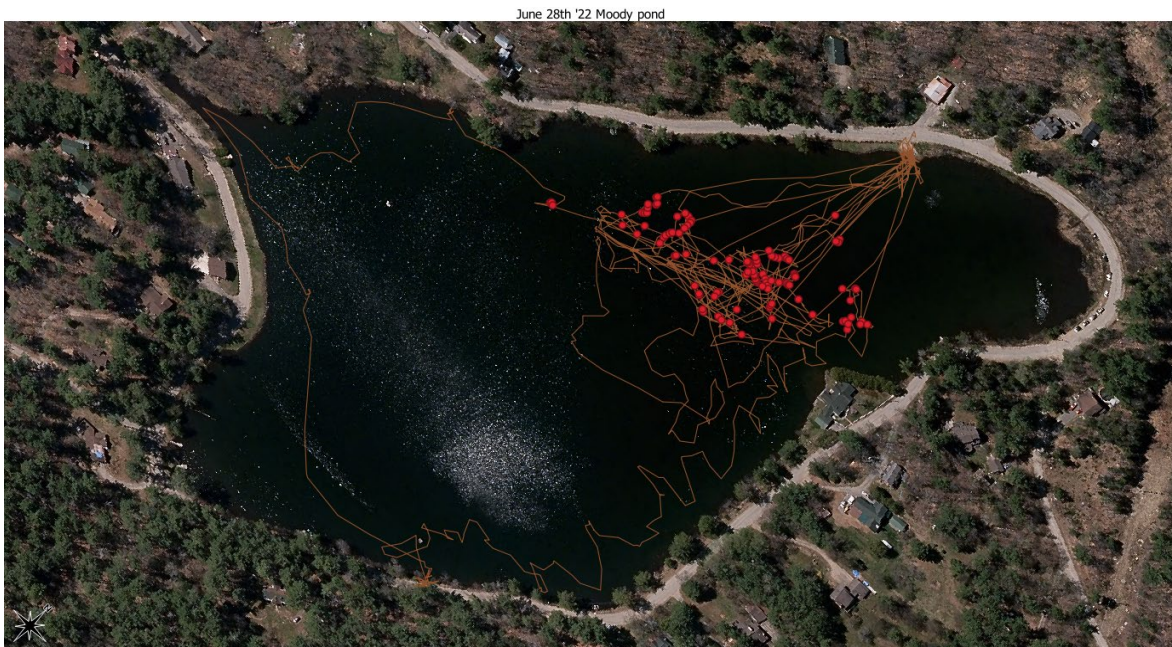
Description: The dive team utilized calm morning waters to do a preliminary survey of the pond and mark dense areas of milfoil with buoys. Divers focused the first day harvesting historic hotspots in the north pocket. A lap of the pond by the divers found only one plant on the far shore.



Harvest Data: 1,314 plants totaling two bags or 50 lbs.

Tuesday June 28, 2022

Description: The divers utilize the calm weather to surface spot and survey the pond. Buoys were utilized to mark the littoral area and guide the divers underwater. Another search of the entire shore found no plants on the opposite shore.



Harvest Data: 313 plants totaling 1/3 bag or 8.3 lbs.

Upper Saranac Lake Foundation
P.O. Box 564, Saranac Lake, NY 12983
www.usfoundation.net

Wednesday June 29, 2022

Description: Divers utilized paddle boards to surface spot for plants in the morning. Divers continued to focus efforts along the known growth areas and the north edge of the littoral zone.

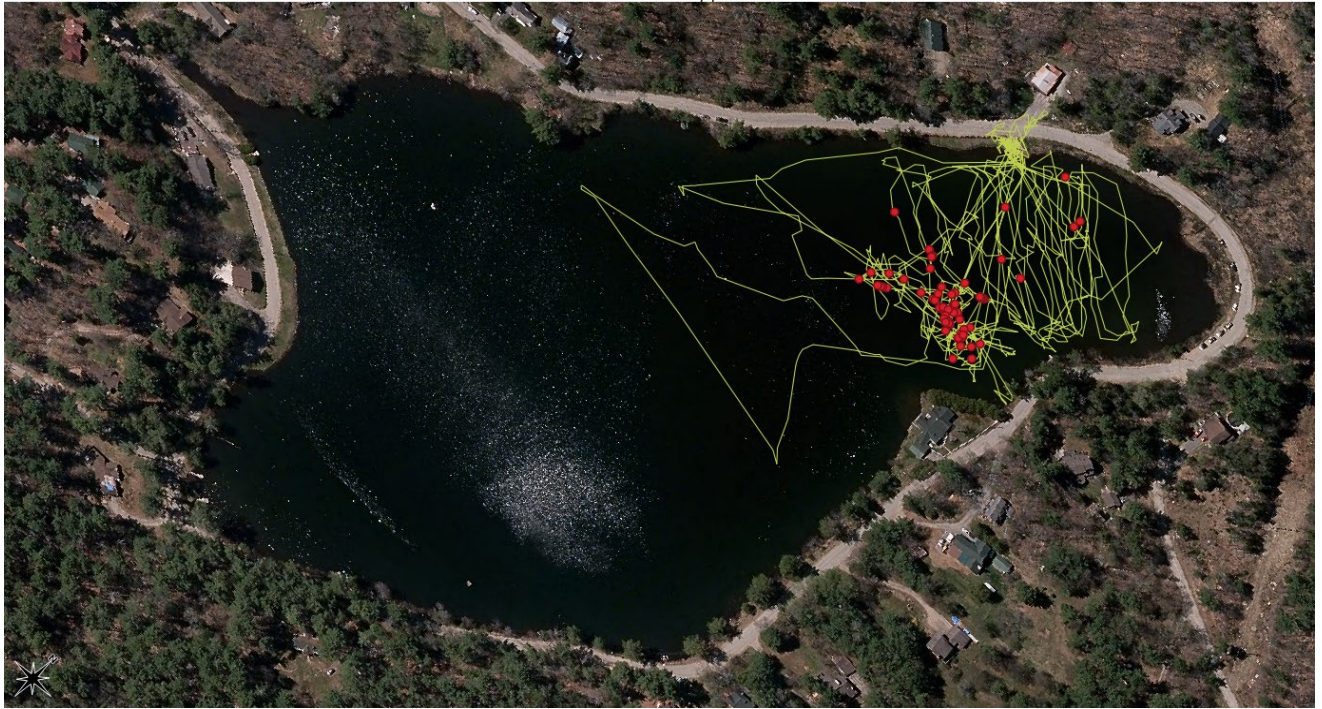


Harvest Data: 588 plants totaling 1/3 bag or 8.3 lbs.

Thursday June 30, 2022

Description: A three-person underwater dive team, and one top-water personnel team was used to preform grid type line searches. Buoys were utilized for guiding divers underwater. Only small immature plants, less than 6 inches in height were found. The area harvested on this day was generally in the same location where most plants have been found throughout the week.

June 30th '22 Moody pond



Harvest Data: Harvest Data: 94 plants totaling 1/10 bag or 2.5 lbs.

Photos



Upper Saranac Lake Foundation
P.O. Box 564, Saranac Lake, NY 12983
www.usfoundation.net

