

Vincent Pagano, President LLHA
3466 County Route 26
Loon Lake, NY 12989

December 8, 2010

Dear Mr. Pagano:

In early September, 2010 Corey Laxson and Elizabeth Yerger of the Adirondack Watershed Institute of Paul Smith's College followed up on the comprehensive plant survey performed a year earlier, on August 5th 2009. The objectives of this follow up survey were to (1) determine the location of any aquatic nuisance species, and (2) survey the native aquatic plants, documenting any significant changes to the composition or location of common macrophyte beds (dense plant aggregations).

The surface survey was performed by slowly trolling the entire littoral zone of the lake in a zigzag fashion, starting at the shoreline and moving out to a depth of approximately 15 feet then back to the shoreline. Special attention was paid to shallow bays and areas in close proximity to the boat launch. We continuously referenced the 2009 plant map to note any changes.

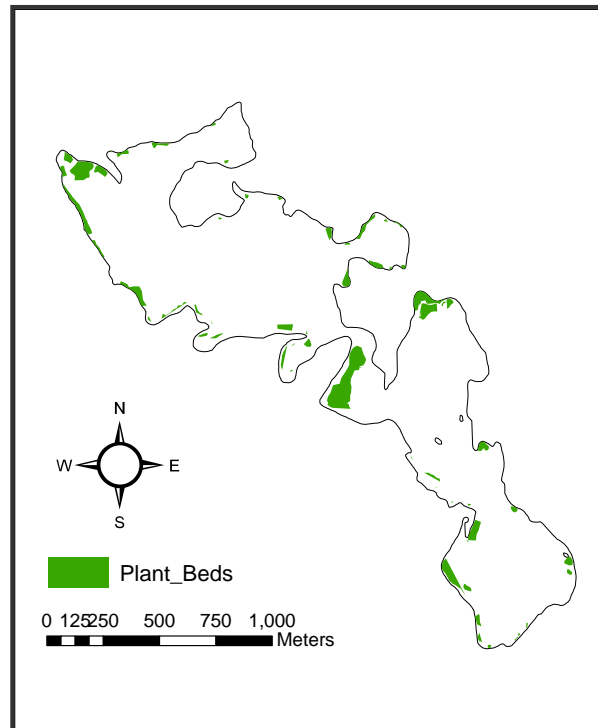


Figure 1. Distribution of aquatic plant beds encountered during the visual survey of Loon Lake conducted on August 5th 2009.

We did not detect the establishment of any aquatic invasive species, or any significant changes to the composition and location of the aquatic plant beds surveyed in the 2009 (Figure 1). We identified 18 submerged aquatic plant species in the lake, not including the numerous emergent and semi-aquatic species that fringe the lake margin. Loon Lake supports approximately 60 macrophyte beds comprising roughly 18 acres. The most common plants to occur in these beds are members of the pondweed genus *Potamogeton*. The species, *praelongus*, *amplifolius*, and *gramineus* are common throughout the lake and make up the majority of the offshore community. Nearshore species such as the bur-reed *Sparganium*, the white water lily *Nymphaea*, the spatterdock *Nuphar* and the arrowhead *Sagittaria* are scattered around the entire lake. The pipewort *Eriocaulon* is very common in the nearshore environment and occurs along most of the shoreline.

Please feel free to let us know if you need any further explanation of our findings or would like some additional information on the aquatic plant species common in Loon Lake. It is a pleasure to continue working with you on your efforts to keep Loon Lake free of aquatic nuisance species.

Sincerely

Dan Kelting

Daniel L. Kelting
Executive Director, Adirondack Watershed Institute
Paul Smith's College