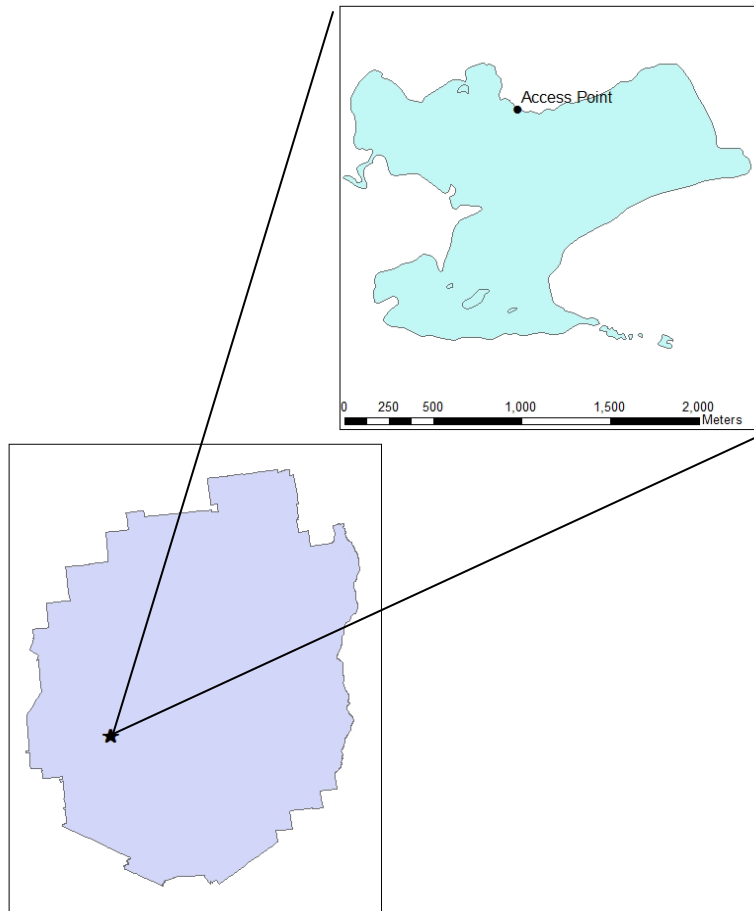


Limekiln Lake Aquatic Plant Survey 2013



Map 1: Location of Limekiln Lake in relation to the Adirondack Park.

Limekiln Lake is located in the Town of Inlet, Hamilton County, New York (Map 1). This 457 acre lake was accessed using the state boat launch located at the Limekiln Lake State Campground.

An aquatic plant survey was conducted at Limekiln Lake on 25 June 2013. Aquatic plants were quite abundant in this water body. Fourteen aquatic plant beds comprised 15.5 acres of this lake (Map 3). No aquatic invasive plants were identified in this survey. Fifteen species of native aquatic plant were identified. Species most common in Limekiln Lake were Oakes' Pondweed (*Potamogeton oakesianus*), White Waterlily (*Nymphaea ordata*), Water Shield (*Brasenia schreberi*) (Table 1).

Of the 59 rake tosses deployed throughout the littoral zone of the lake, 9 tosses recovered plants. Brittlewort (*Nitella spp.*), Common Bladderwort (*Utricularia purpurea*), Slender Watermilfoil (*Myriophyllum tenellum*), and Low Watermilfoil (*Myriophyllum humile*) were species brought up on the rakes that were not detected during the surface survey of the lake (Table 2).

Table 1: Abundance and area of aquatic plant beds in Limekiln Lake. Refer to Map 3 for bed locations. Abundance key: 1=RARE (<5%), 2=OCCASIONAL (6-15%), 3=PRESENT (16-25%), 4=COMMON (26-50%), 5=ABUNDANT(>50%). Species codes are defined on the next page.

Bed #	BRSC	POEP	NYOD	SPSP	NUVA	UTVA	SAGR	POOA	ERSP	LODO	ELSP	Area (acres)
1	1		2		1	1		2			3	4.25
2	2							2				0.05
3	1		1		1							0.06
4								3				0.04
5	2							3				0.31
6	2		2					3				0.33
7	2		2					2	3	1	1	3.75
8	3	1	3						2			1.14
9	3		3					2	3	1		0.94
10	3		2				1		3			0.29
11	3	1	4		2			1	2		1	2.33
12				2	1							0.54
13	3		2					1				0.79
14	1		3	1	1						2	0.70

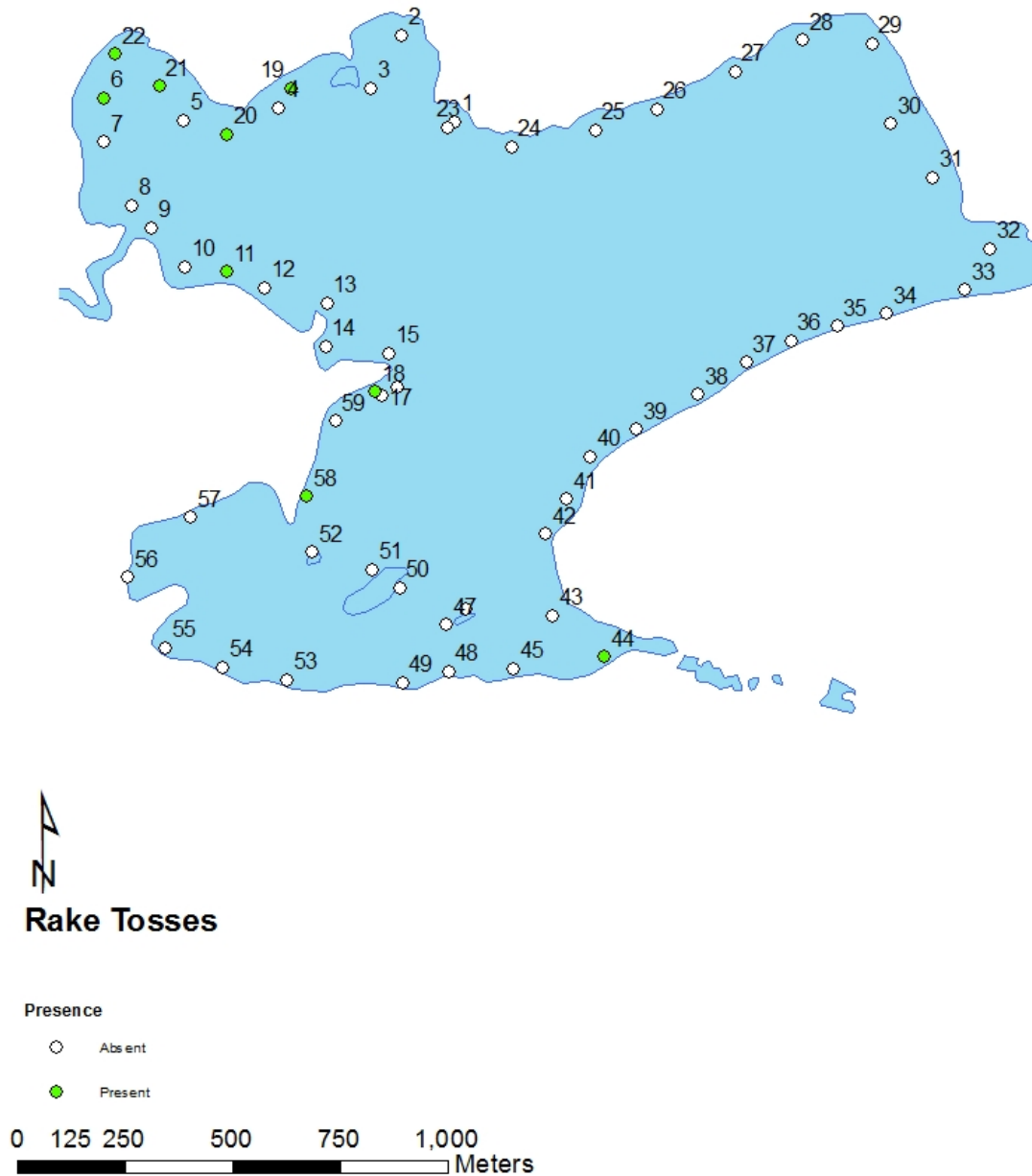
Table 2: Species present on the rake, abundance, and depth at each of the rake toss locations at Limekiln Lake. Refer to Map 2 for rake toss locations. Abundance key: 1=RARE(<5%), 2=OCCASIONAL(6-15%), 3=PRESENT(16-25%), 4=COMMON(26-50%), 5=ABUNDANT(>50%).

Rake Toss #	NISP	UTVU	SAGR	ERSP	MYTE	ELSP	UTPU	MYHU	Depth (ft)
6	1	1							13
11		2							14
18				1					8
19		1							7
20		1			1				5
21						1			8
22		3				1	2	1	8
44						1			1
58			1						5

Code **Common name (scientific name)**
 BRSC Water Shield (*Brasenia schreberi*)
 POEP Ribbon-leaf Pondweed (*Potamogeton epihydrus*)
 NYOD White Waterlily (*Nymphaea ordata*)
 SPSP Bur-reed (*Sparganium spp.*)
 NUVA Spatterdock (*Nuphar variegata*)
 UTVA Common Bladderwort (*Utricularia vulgaris*)
 SAGR Grassy Arrowhead (*Sagittaria spp.*)

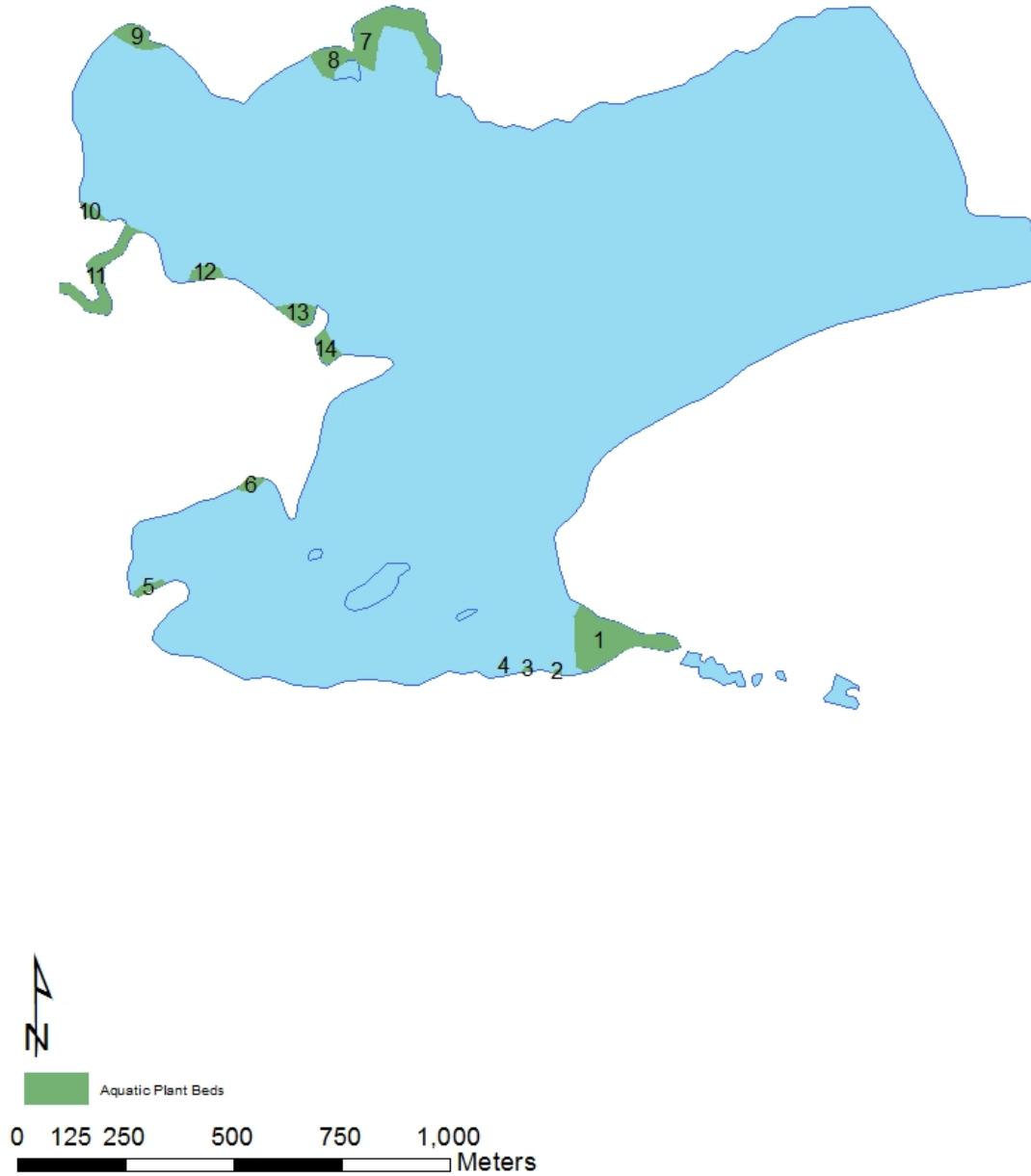
Code **Common name (scientific name)**
 POOA Oakes' Pondweed (*Potamogeton oakesianus*)
 ERSR Pipewort (*Eriocaulon spp.*)
 LODO Water Lobelia (*Lobelia dortmanna*)
 ELSP Hairgrass (*Eleocharis spp.*)
 UTVU Common Bladderwort (*Utricularia vulgaris*)
 MYTE Slender Watermilfoil (*Myriophyllum tenellum*)
 MYHU Low Watermilfoil (*Myriophyllum humile*)
 NISP Brittlewort (*Nitella spp.*)

Limekiln Lake



Map 2: Rake toss locations on Horseshoe Lake on 13 June 2013. Open circles represent locations where no plants were detected, closed circles represents locations where plants were encountered on the rake. Data for rakes tosses can be found on Table 2.

Limekiln Lake



Map 3: Locations of the aquatic plant beds detected in Horseshoe Lake during the surface survey on 13 June 2013. Data for plants beds can be found on Table 1.