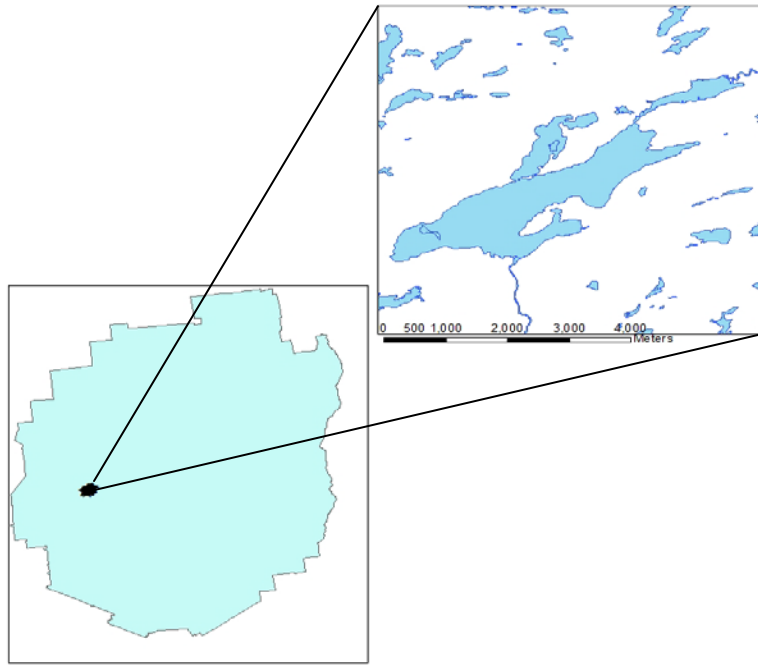


# Big Moose Lake Aquatic Plant Survey 2013



Map 1: Location of Big Moose Lake

Big Moose Lake is located in the town of Webb in Herkimer County, New York (Map 1). This 1242 acre lake was accessed through the use of a public dock and a motorized boat can be launched at this lake.

An aquatic plant survey was conducted at Big Moose Lake on the 17<sup>th</sup> and 18<sup>th</sup> of June 2013. Aquatic plant coverage was relatively low, and was comprised of 18 plant beds that covered 96 acres or 7.7% of the lake. No aquatic invasive plants were detected in the survey, though 12 different species of native aquatic plants were identified. Species most common in this lake were Water Shield (*Brasenia schreberi*), Ribbon-leaf Pondweed (*Potamogeton epihydrus*), White Water Lily (*Nymphaea odorata*), Burr reed (*Sparganium spp.*), Yellow Water Lily (*Nuphar variegata*) (Table 1).

Of the 81 rake tosses deployed through the littoral zone of this lake, 23 had plants recovered. There were no species that were brought up on the rake that were not also detected during the surface survey (Table 2).

Table 1: Abundance and area of aquatic plant beds in Big Moose Lake. Refer to Map 3 for plant bed locations. Abundance key: 1=RARE (<5%), 2=OCCASIONAL (6-15%), 3=PRESENT (16-25%), 4=COMMON (26-50%), 5=ABUNDANT(>50%).

Big Moose Lake						
Bed#	Water Shield ( <i>Brasenia schreberi</i> )	Ribbon-leaf Pondweed ( <i>Potamogeton epihydrus</i> )	White Water Lily ( <i>Nymphaea odorata</i> )	Burr reed ( <i>Sparganium</i> spp.)	Yellow Water Lily ( <i>Nuphar variegata</i> )	Common Bladderwort ( <i>Utricularia vulgaris</i> )
1	3			3		
2				3		
3				3		
4	3			1	1	
5				2	2	
6		4				
7		3				
8	2		5	3	3	2
9	2		3	2	1	1
10			1	2	1	
11				3	1	
12				3	1	
13			2		1	
14	1			2	2	
15				3		
16			1	2		
17				2	2	
18			1	2		

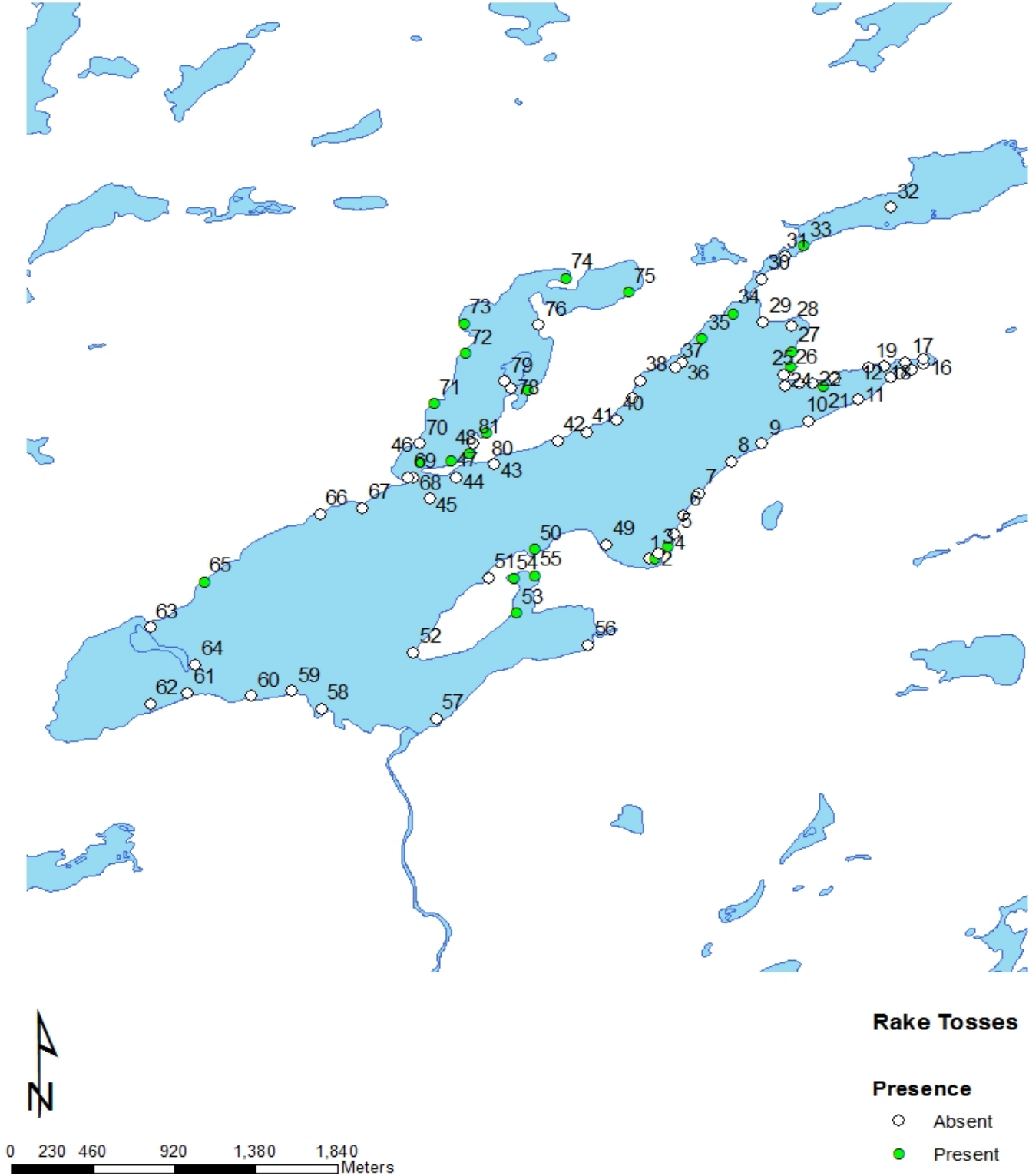
Table continued on next page.



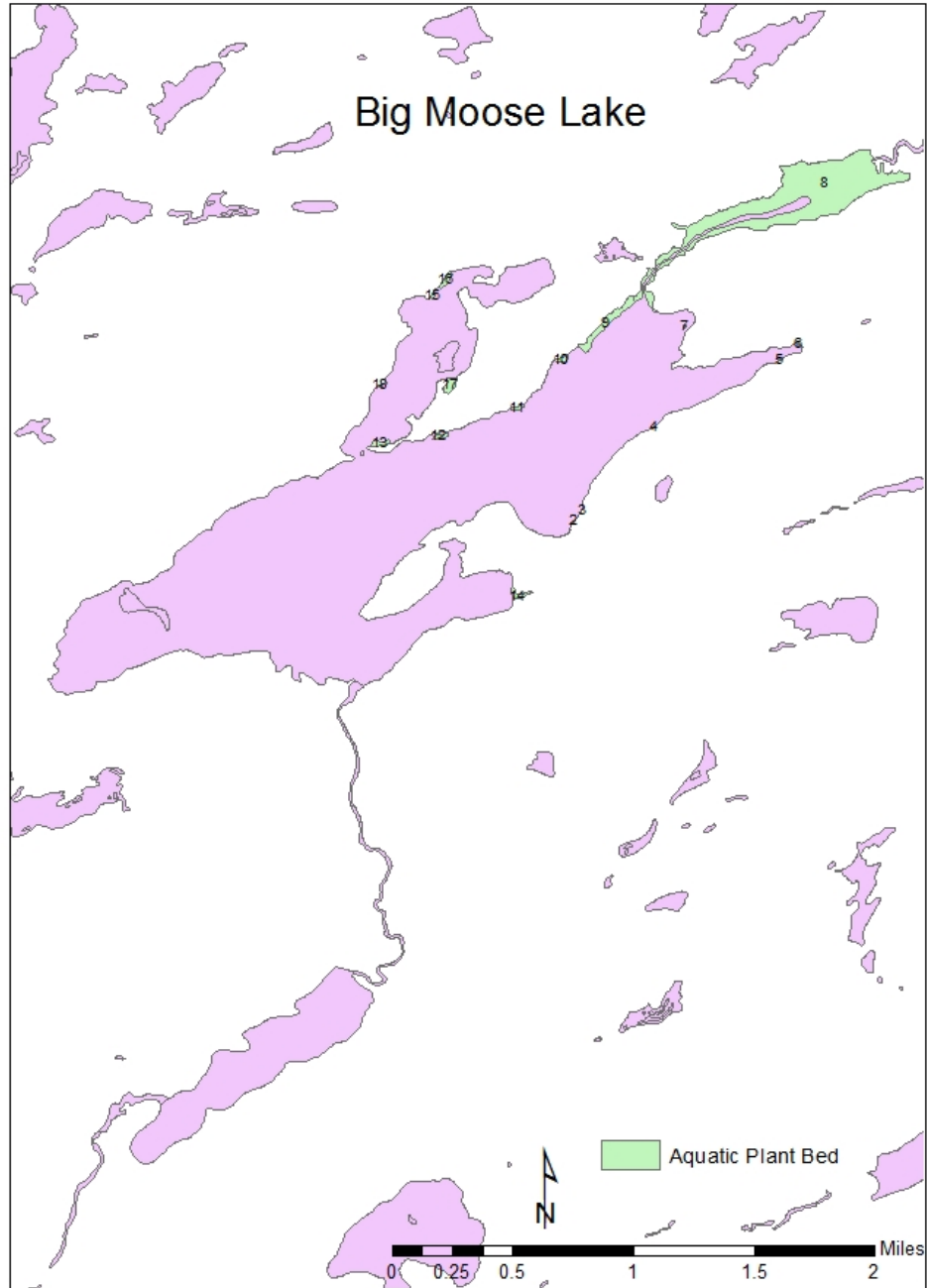
Table 2: Species present on the rake, abundance, and depth at each of the rake toss locations that had plants recovered at Big Moose Lake. Refer to Map 2 for rake toss locations. Abundance key: 1=RARE (<5%), 2=OCCASIONAL (6-15%), 3=PRESENT (16-25%), 4=COMMON (26-50%), 5=ABUNDANT (>50%).

Rake Toss#	Burr reed ( <i>Sparganium spp.</i> )	Common Bladderwort ( <i>Utricularia vulgaris</i> )	Grassy Arrowhead ( <i>Sagittaria graminea</i> )	Eastern Purple Bladderwort ( <i>Utricularia purpurea</i> )	Depth (ft)
2				1	9
4		2		1	10
21				1	9
26					6
27					7
33	2				9
34			3		5
35				1	6
46		2		1	11
47		3		1	7
48		2			10
50					8
53					9
54				1	7
55				2	7
65				1	13
71			1		4
72				1	4
73		2			6
74				4	5
75		1			5
77		1		1	6
80		2			5

# Big Moose Lake



Map 2: Rake toss locations on Big Moose Lake on the 17<sup>th</sup> and 18<sup>th</sup> of June 2013. Open circles represent locations where no plants were detected, closed circles represent locations where plants were encountered on the rake. Data for rake tosses can be found on Table 2.



Map 3: Locations of the aquatic plant beds detected in Big Moose Lake during the surface survey on the 17<sup>th</sup> and 18<sup>th</sup> of June 2013. Data for plant beds can be found on Table 1.