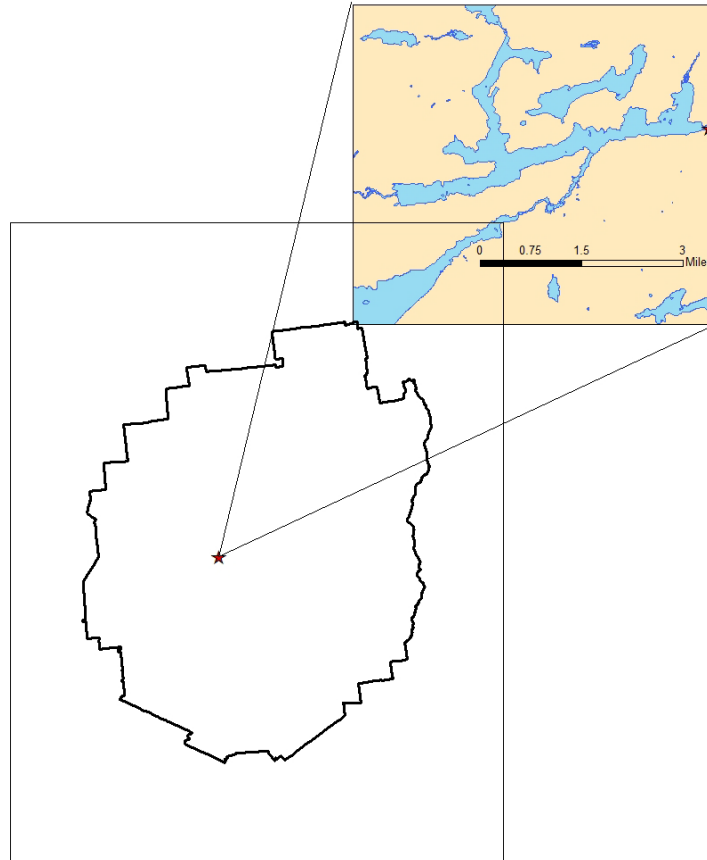


Forked Lake Aquatic Plant Survey 2013



Map 1: Location of Forked Lake

Forked Lake is located 7 miles southwest of the village of Long Lake, Hamilton County, New York (Map 1). This 1,248 acre lake was accessed through the use of a public boat launch in the Forked Lake Campground. Motor boats can have access to this lake through the use of the campgrounds boat launch.

An aquatic plant survey was conducted at Forked Lake on 8 July 2013. Aquatic plant coverage was moderate, and was comprised of 33 plant beds that covered 71.4 acres or 6.3% of the lake. The invasive aquatic plant, variable-leaf milfoil, was found in Forked Lake. Several beds ranging from <1 to 12 acres of this invasive species were observed. Seventeen different species of native aquatic plants were also identified during this survey. Species most common in this lake were Water Shield (*Brasenia schreberi*), White Waterlily (*Nymphaea ordata*) and Yellow floatingheart (*Nymphoides pelata*) (Table 1).

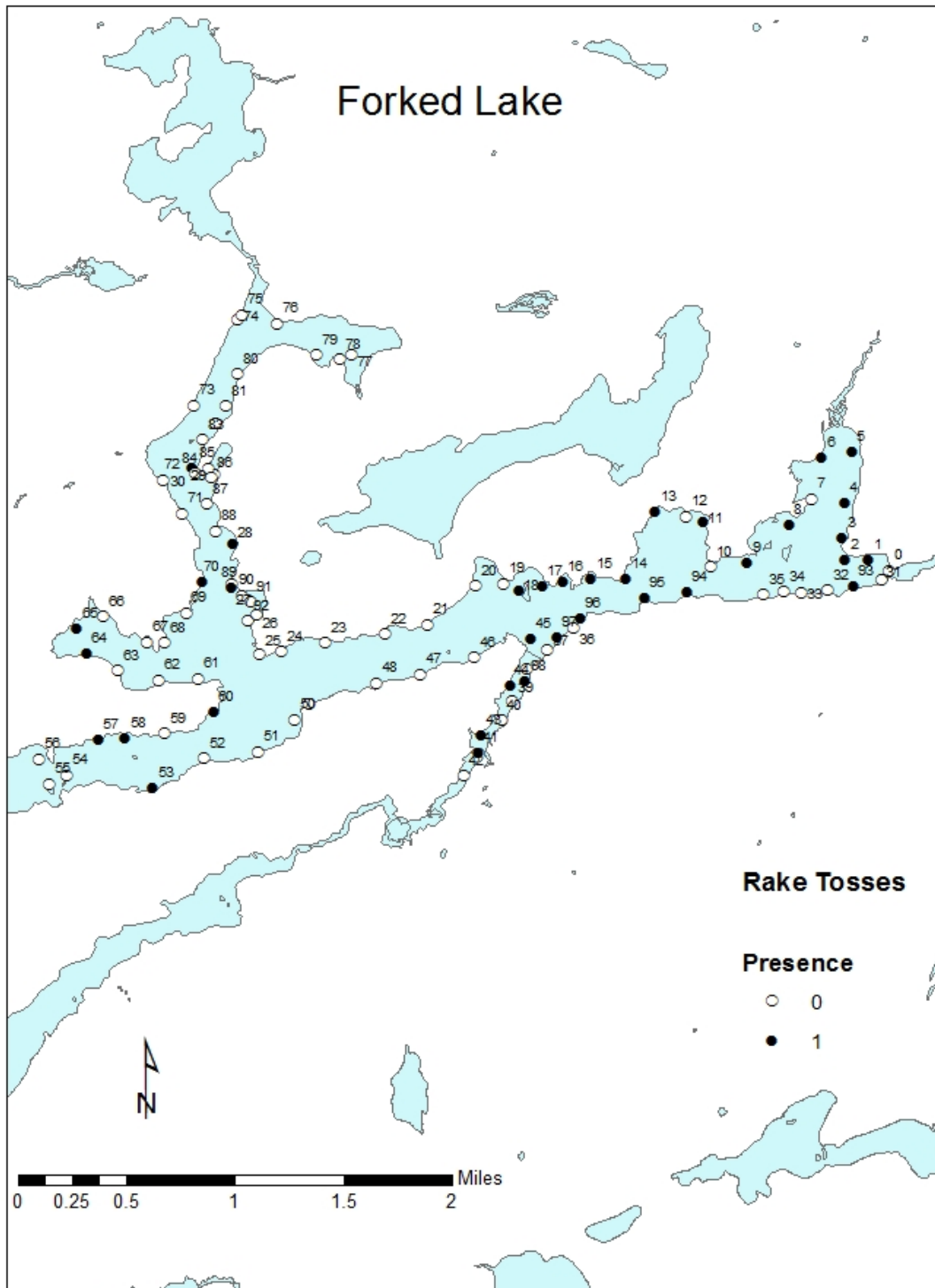
Of the 92 rake tosses deployed through the littoral zone of this lake, 33 had plants recovered. There were 2 species of plants that were brought up on the rake that were not detected during the surface survey. These species were White Stemmed Pondweed (*Potamogeton praelongus*) and Purple Bladderwort (*Utricularia purpurea*) (Table 2).

Table 1: Abundance and area of aquatic plant beds in Forked 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%).

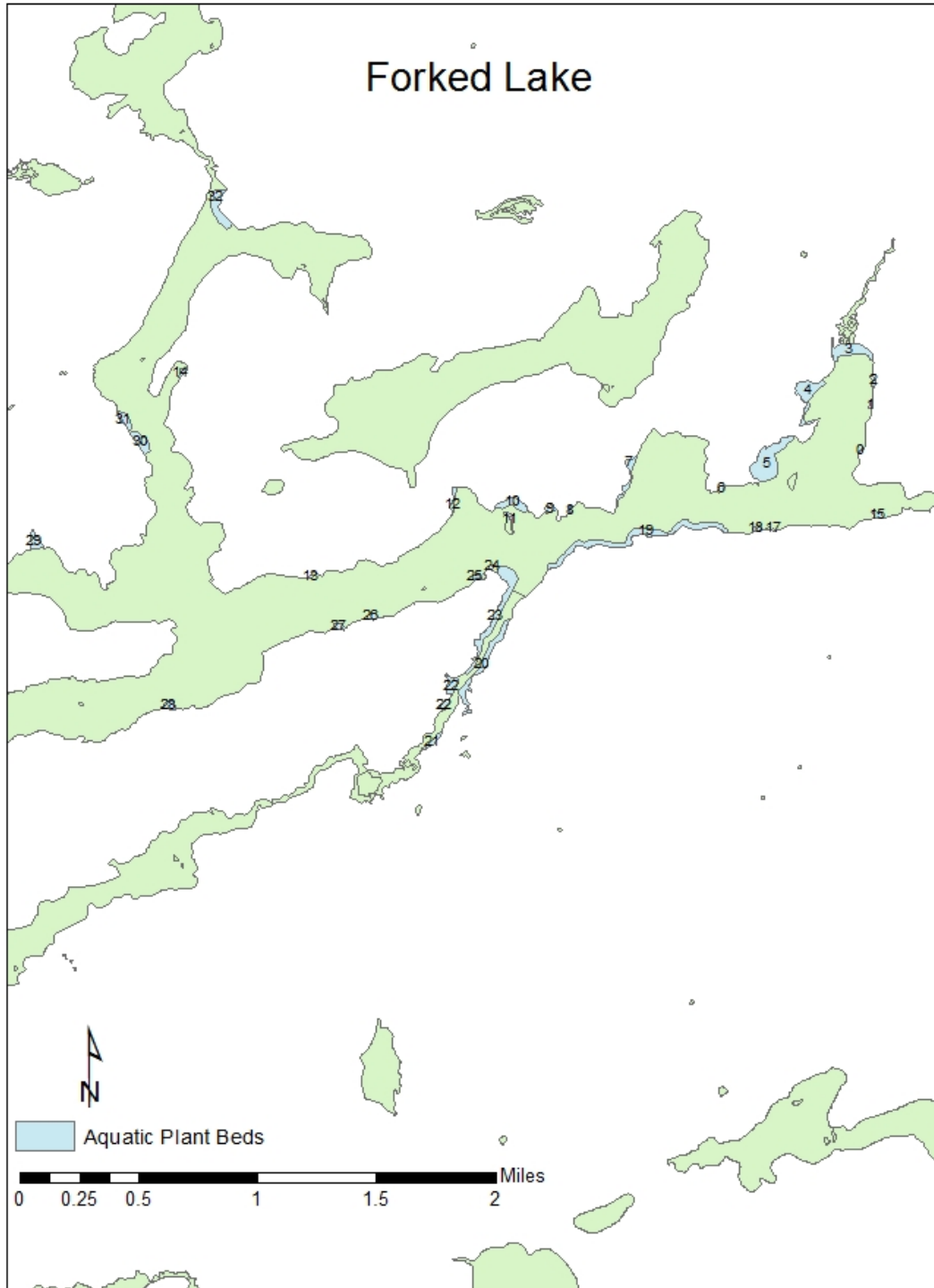
Bed #	Water Shield (<i>Brasenia schreberi</i>)	Large-leaf pondweed (<i>Potamogeton amplifolius</i>)	Ribbon-leaf pondweed (<i>Potamogeton epihydrus</i>)	Clasping-leaf pondweed (<i>Potamogeton Perfoliatus</i>)	White Waterlily (<i>Nymphaea ordata</i>)	Brittlewort (<i>Nitella spp.</i>)	Bur-reed (<i>Sparganium spp.</i>)	Spatterdock (<i>Nuphar variegata</i>)	Flatstem pondweed (<i>Potamogeton zosterformis</i>)
1			3		3		3		
2			2						
3			1				3		
4	3		3	2	3		2	3	2
5	2		1		4			1	
6	4				3			2	
7					5				
8	2		2		2		1	2	
9							2		
10					2		2	3	
11	2				3		2	2	
12			2		2			2	
13	2					1	2		
14					5				
15	2				3				
16					1				
17					2				
18									
19									
20	2		2					1	
21	1				2			2	
22								4	
23					4				
24		2						4	
25	4								
26									
27							2		
28	2						2		
29	3								
30					4				
31	2								
32	3						3		
33					2		1		

Table 2: Species present on the rake, abundance, and depth at each of the rake toss locations that had plants recovered at Forked 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 #	White Stemmed Pondweed (<i>Potamogeton praelongus</i>)	Brittlewort (<i>Nitella spp.</i>)	Common Bladderwort (<i>Utricularia vulgaris</i>)	Variable-leaf Watermilfoil (<i>Myriophyllum heterophyllum</i>)	Grassy Arrowhead (<i>Sagittaria graminea</i>)	Hairgrass (<i>Eleocharis sp.</i>)	Purple Bladderwort (<i>Utricularia purpurea</i>)	Yellow Floating Heart (<i>Nymphoides peltata</i>)	Depth (ft.)
1							2		6
2				2					8
3		1				1			6
4		1							15
5							3		7
6		2							12
7		2	1						13
8		1	1						13
9							2		5
10		2							13
11		1				2	2		9
12							3		7
13				2			3	1	6
14							1		6
16			1				1		11
17			3						11
18							1		6
19								1	4
20	4								4
21				3				2	3
22				1			1		5
23							1		6
24							3		7
25							1		4
26					1				3
27							1		12
28							1		11
29					1	1			13
30					1				11
31							2		5
32				3					10
33				2			2		4
34						2			5
35							1		9
36				4		0			7



Map 2: Rake toss locations on Forked Lake on 8 July 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 Forked Lake during the surface survey on 8 July 2013. Data for plant beds can be found on Table 1.