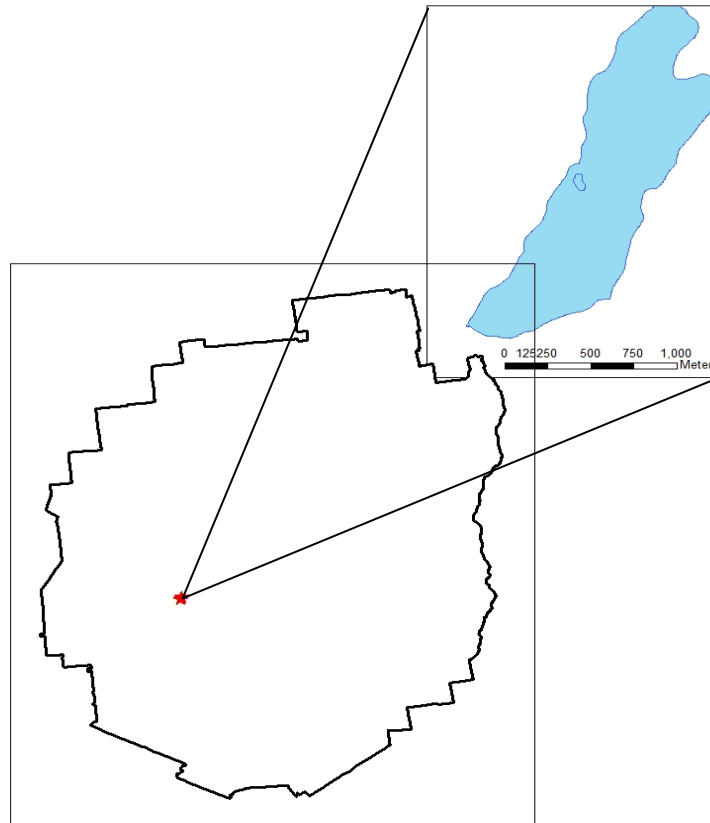


Eighth Lake Aquatic Plant Survey 2013



Map 1: Location of Eighth Lake

Eighth Lake is located in the town of Inlet, Hamilton County, New York (Map 1). This 303 acre lake was accessed through the use of a public boat launch in the Eighth Lake Campground. Motor boats can have access to this lake through the use of the campground boat launch.

An aquatic plant survey was conducted at Eighth Lake on 19 June 2013. Aquatic plant coverage was relatively low, and was comprised of 19 plant beds that covered about 31 acres or 1.2% of the lake. No aquatic invasive plants were detected in the survey, though 7 different species of aquatic plants were identified. Species most common in this lake were Large-leaf Pondweed (*Potamogeton amplifolius*) and Grassy Arrowhead (*Sagittaria spp.*) (Table 1).

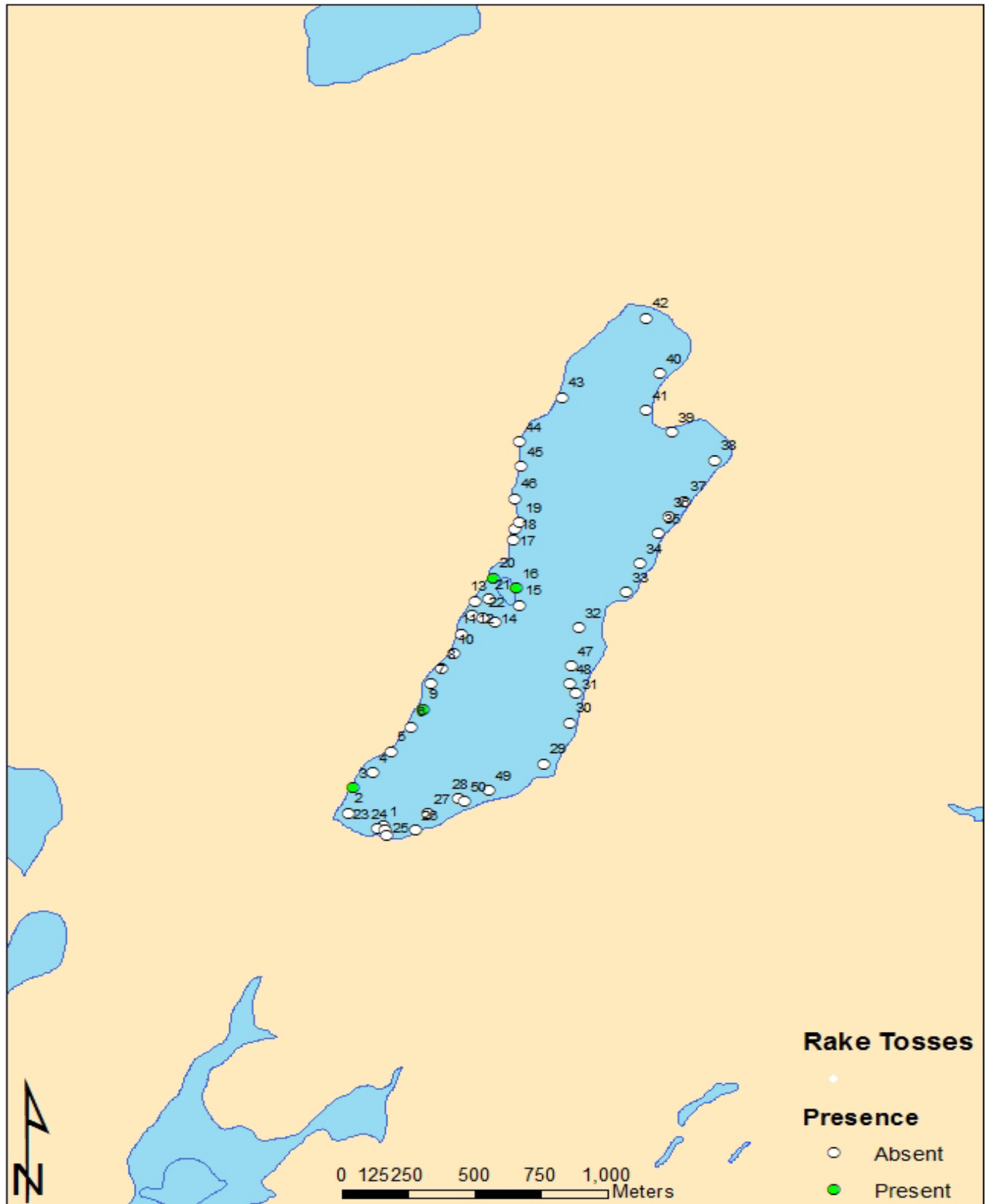
Of the 50 rake tosses deployed through the littoral zone of this lake, 4 had plants recovered. There were 2 species of plant that were brought up on the rake that were not detected during the surface survey. These species were Brittlewort (*Nitella spp.*) and Quillwort (*Isoetes spp.*) (Table 2).

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

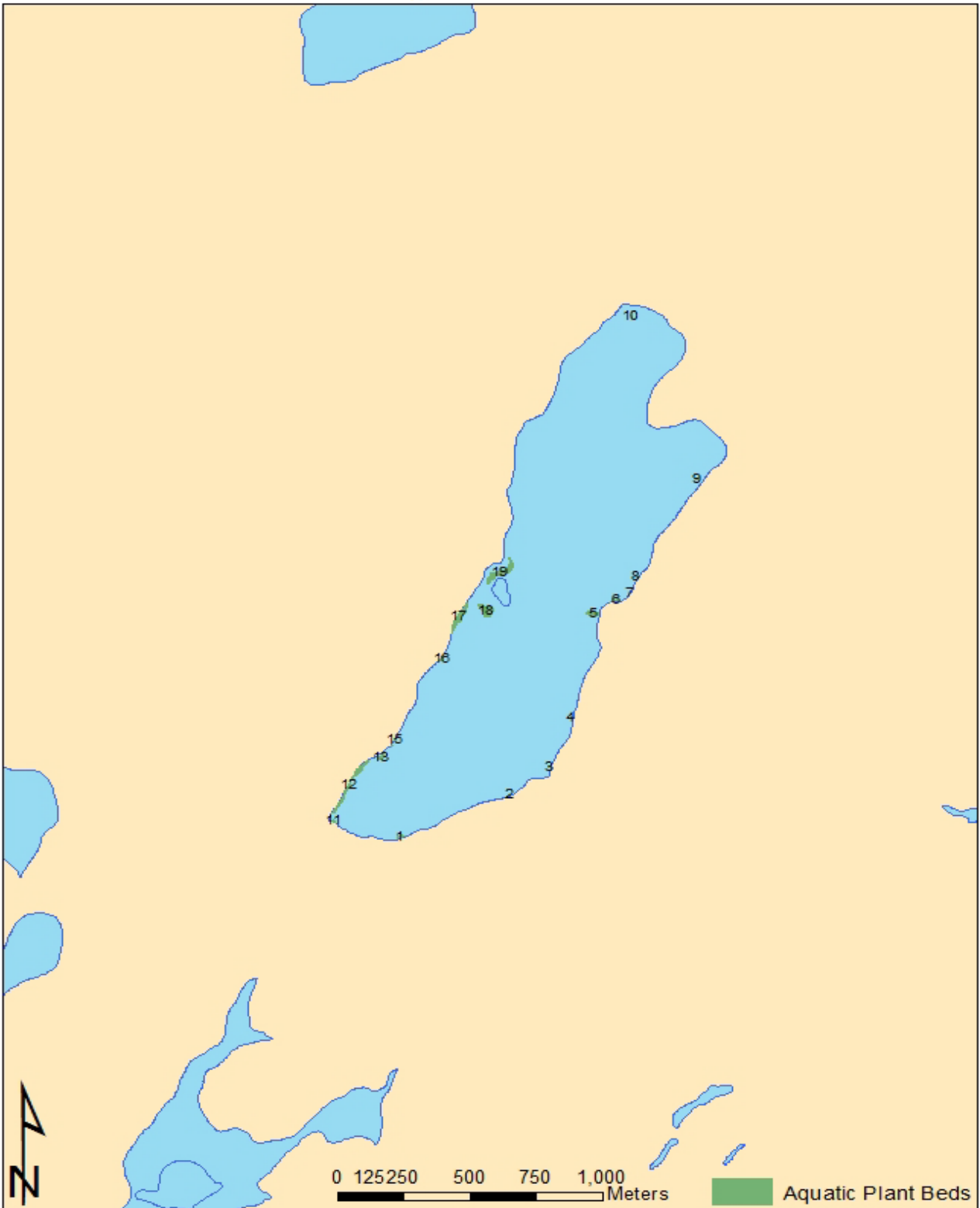
Bed #	Canadian Waterweed (<i>Elodea canadensis</i>)	Large-leaf Pondweed (<i>Potamogeton amplifolius</i>)	Ribbon-leaf Pondweed (<i>Potamogeton epihydrus</i>)	White-stem Pondweed (<i>Potamogeton prealongus</i>)	Robbis Pondweed (<i>Potamogeton robinsii</i>)	Grassy Arrowhead (<i>Sagittaria spp.</i>)	Pipewort (<i>Eriocaulon spp.</i>)	Area (acres)
1						4		0.11
2		1				1		0.01
3		2						0.03
4		4						0.03
5		4		2				0.24
6		5						0.09
7		4						6.68E-03
8		3				3		0.03
9		1						9.15E-03
10		1						0.01
11						5		0.03
12	2	1	3		1	3	1	0.8
13					1	3	2	0.15
14		5						0.01
15		4			1	2		0.05
16		4				2	3	0.1
17	1	3				2	2	0.64
18		3			1	3		0.55
19		3				2	2	0.84

Table 2: Species present on the rake, abundance, and depth at each of the rake toss locations that had plants recovered at Eighth 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 #	Brittlewort (<i>Nitella spp.</i>)	Quillwort (<i>Isoetes spp.</i>)	Depth (ft)
3	1		13
9		1	12
16	1		15
20		1	7



Map 2: Rake toss locations on Eighth Lake on 19 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 Eighth Lake during the surface survey on 19 June 2013. Data for plant beds can be found on Table 1.