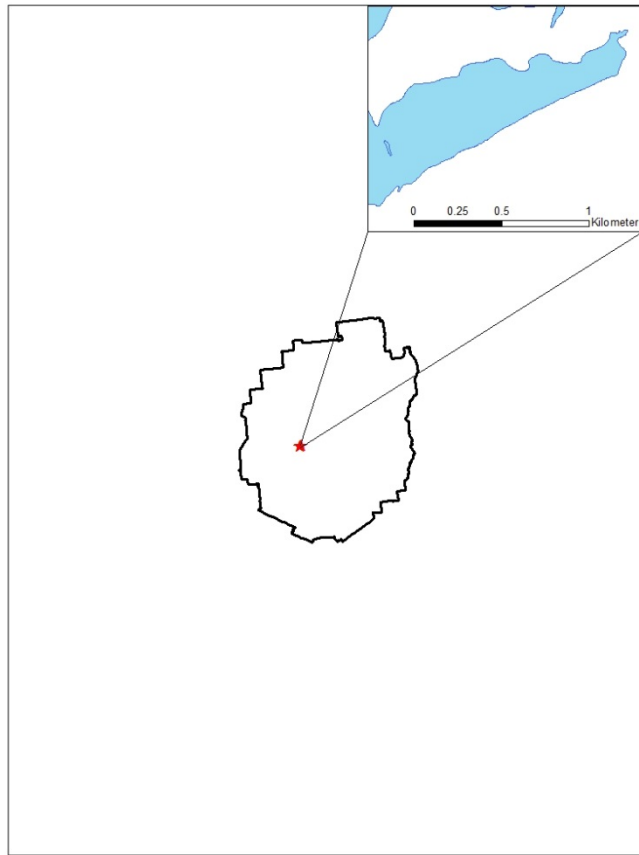


Eldon Lake Aquatic Plant Survey 2013



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

Eldon Lake is located in the Town of Long Lake in Hamilton County, New York (Map 1). This 118 acre lake was accessed through the use of a private boat launch on Raquette Lake. Motor boats can have access to this lake through the use of this boat launch. Typically, Eldon Lake is closed off from Raquette Lake by a sandbar. However, water levels during the survey were high and water flowed freely between both bodies of water.

An aquatic plant survey was conducted at Eldon Lake on 29 July 2013. Aquatic plant coverage was moderate, and was comprised 2 plant beds that covered 45.6 acres or 38.6 % of the lakes surface area. The invasive aquatic plant, variable-leaf milfoil was found in Eldon Lake. Thirteen different species of native aquatic plants were also identified. Species most common in this lake were Water Shield (*Brasenia schreberi*), White-Water Lily (*Nymphaea odorata*), Hairgrass (*Eleocharis* spp.) and (Table 1).

Of the 27 rake tosses deployed through the littoral zone of this lake, 15 had plants recovered. There were 4 plant species that was brought up on the rake that was not detected during the

surface survey. This species was Brittlewort (*Nitella spp.*), Robbin's Pondweed (*Potamogeton robbinsii*), Variable-Leaf Milfoil (*Myriophyllum heterophyllum*) and Purple Bladderwort (*Utricularia purpurea*) (Table 2).

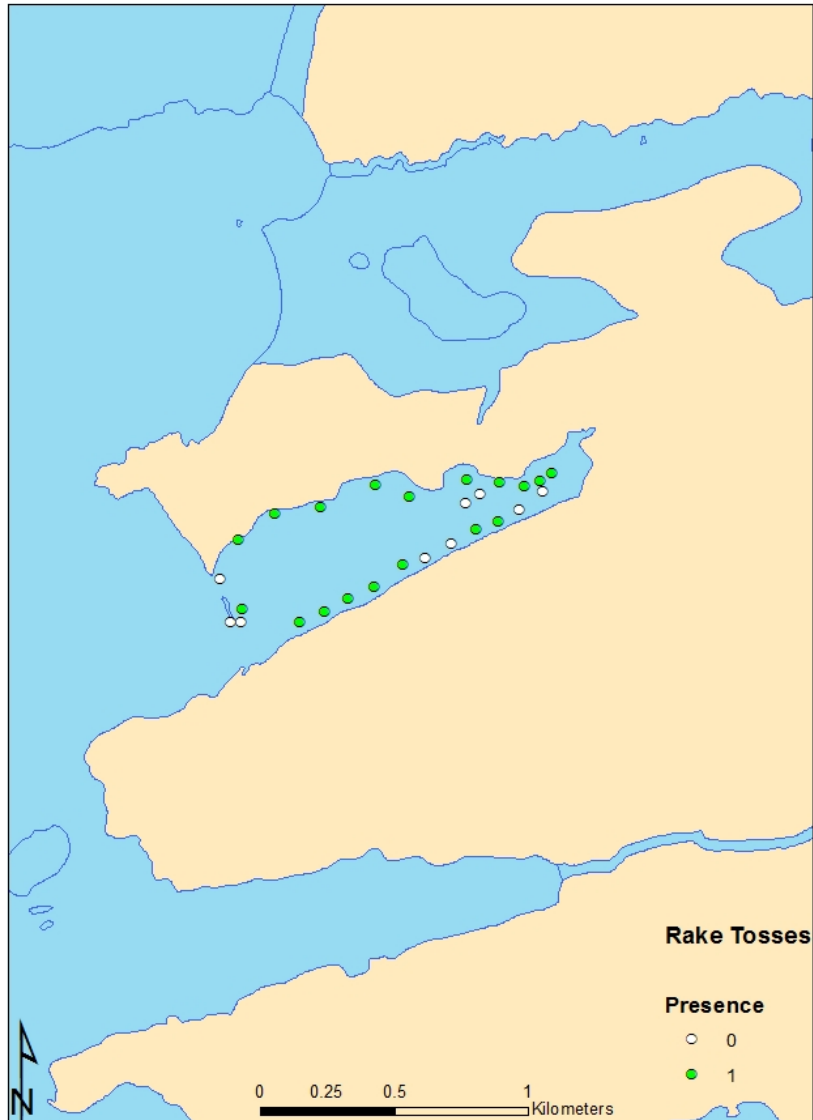
Table 1: Abundance and area of aquatic plant beds in Eldon Lake. Refer to Map 3 for plant bed locations. Abundance key: 1=RARE (<5%), 2=OCCASIONAL (6-15%), 3=PRESENT (16-25%), 4=COMMON (26-50%), 5=ABUNDANT(>50%).

Bed #	Watershield (<i>Brasenia schreberi</i>)	Broad-Leaf Pondweed (<i>Potamogeton amplifolius</i>)	Ribbon-Leaf Pondweed (<i>Potamogeton epihydri</i>)	Clasping- Leaf Pondweed (<i>Potamogeton perfoliatus</i>)	White- Water Lily (<i>Nymphaea odorata</i>)	Bur Reed (<i>Sparganium spp.</i>)
1		2	2		3	2
2	3	2	2	1	2	3
Bed #	Common Bladderwort (<i>Utricularia vulgaris</i>)	Grassy Arrowhead (<i>Sagittaria graminea</i>)	Nuttall's Waterweed (<i>Elodea nuttallii</i>)	Hairgrass (<i>Eleocharis spp.</i>)	Nymphoides species	Area (acres)
1	1	2		4		33.81
2			1	4	1	11.81

Table 2. Species present on the rake, abundance, and depth at each of the rake toss locations that had plants recovered at Eldon 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%).

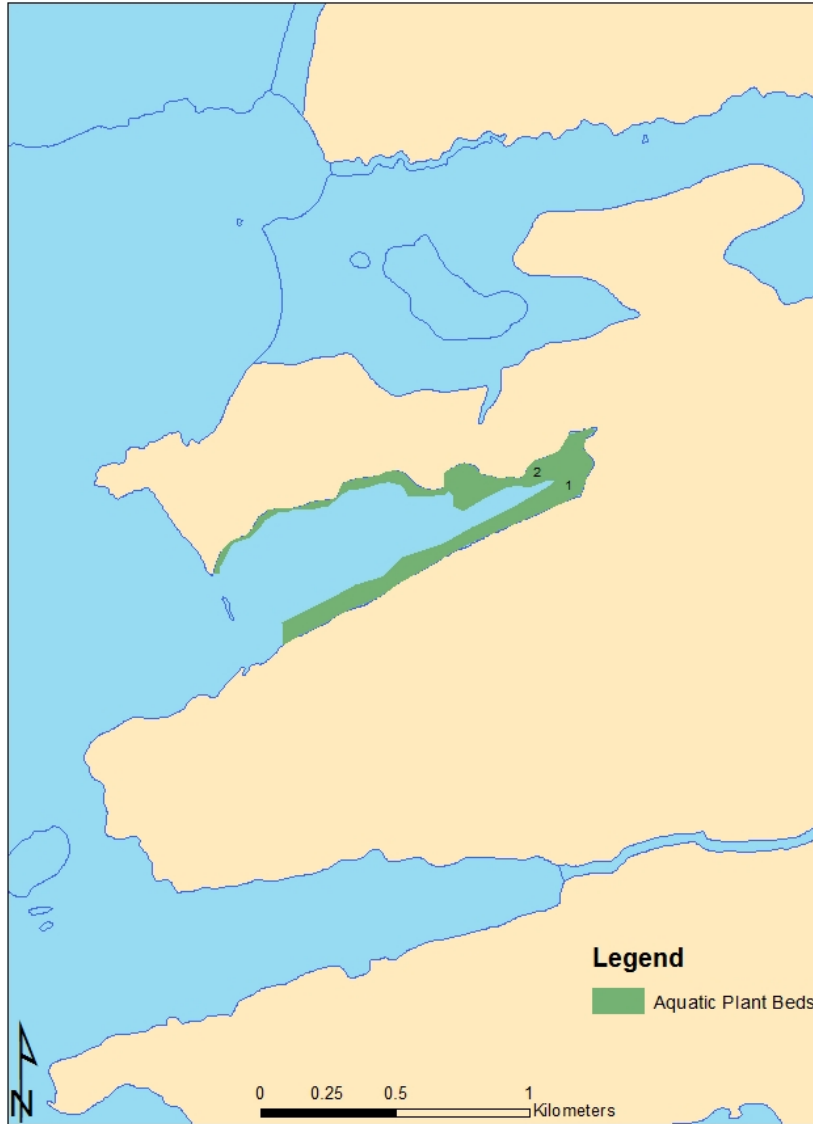
Rake Toss #	Ribbon-Leaf Pondweed (Potamogeton epihydrys)	Clasping-Leaf Pondweed (Potamogeton perfoliatus)	Robbin's Pondweed (Potamogeton robbinsii)	Brittlewort (Nittella spp.)	Bur Reed (Sparganium spp.)	Common Bladderwort (Utricularia vulgaris)	Variable-Leaf Milfoil (Myriophyllum heterophyllum)	Nuttall's Waterweed (Elodea nuttallii)	Pipewort (Eriocaulon spp.)	Hairgrass (Eleocharis spp.)	Purple Bladderwort (Utricularia purpurea)	Depth (ft)
8										2		5
9				1	1						1	7
10	1			3		2				1		7
11				1	2	1						8
12						1						8
13						4						5
14									4			4
16				3								7
17							1				1	8
18						1						12
19				1		1					2	9
20				2		5				2	3	7
21				3		3						7
22						1					2	6
23		3	1	1			3	1			5	7
24							1					4
25				1		2					1	6
27				1		5					2	8

Lake Eldon



Map 2: Rake toss locations on Eldon Lake on 29 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.

Lake Eldon



Map 3: Locations of the aquatic plant beds detected in Eldon Lake during the surface survey on 29 July, 2013. Data for plant beds can be found on Table 1.