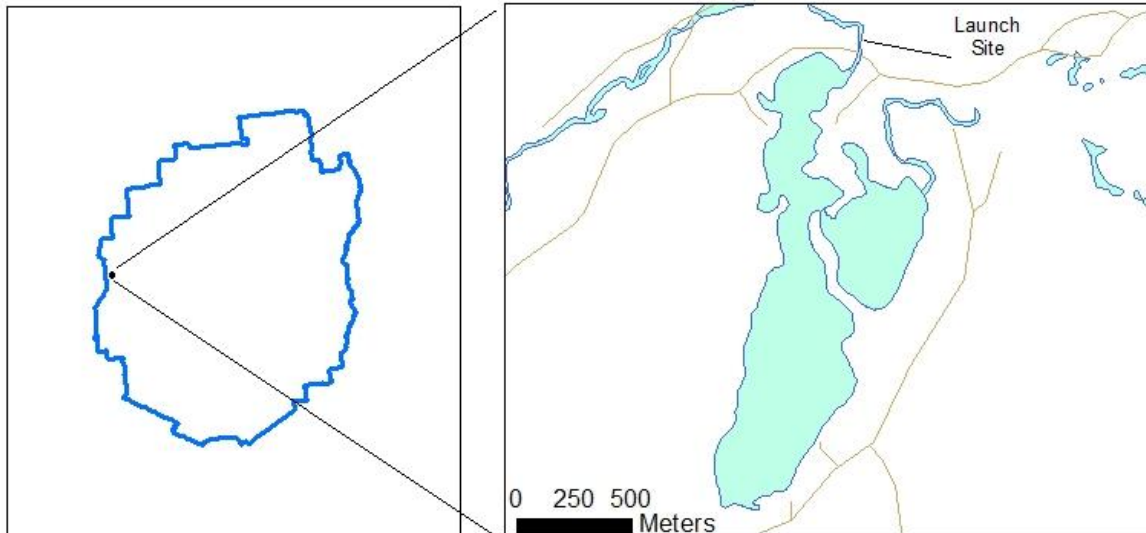


## Long Pond Aquatic Plant Survey 2012

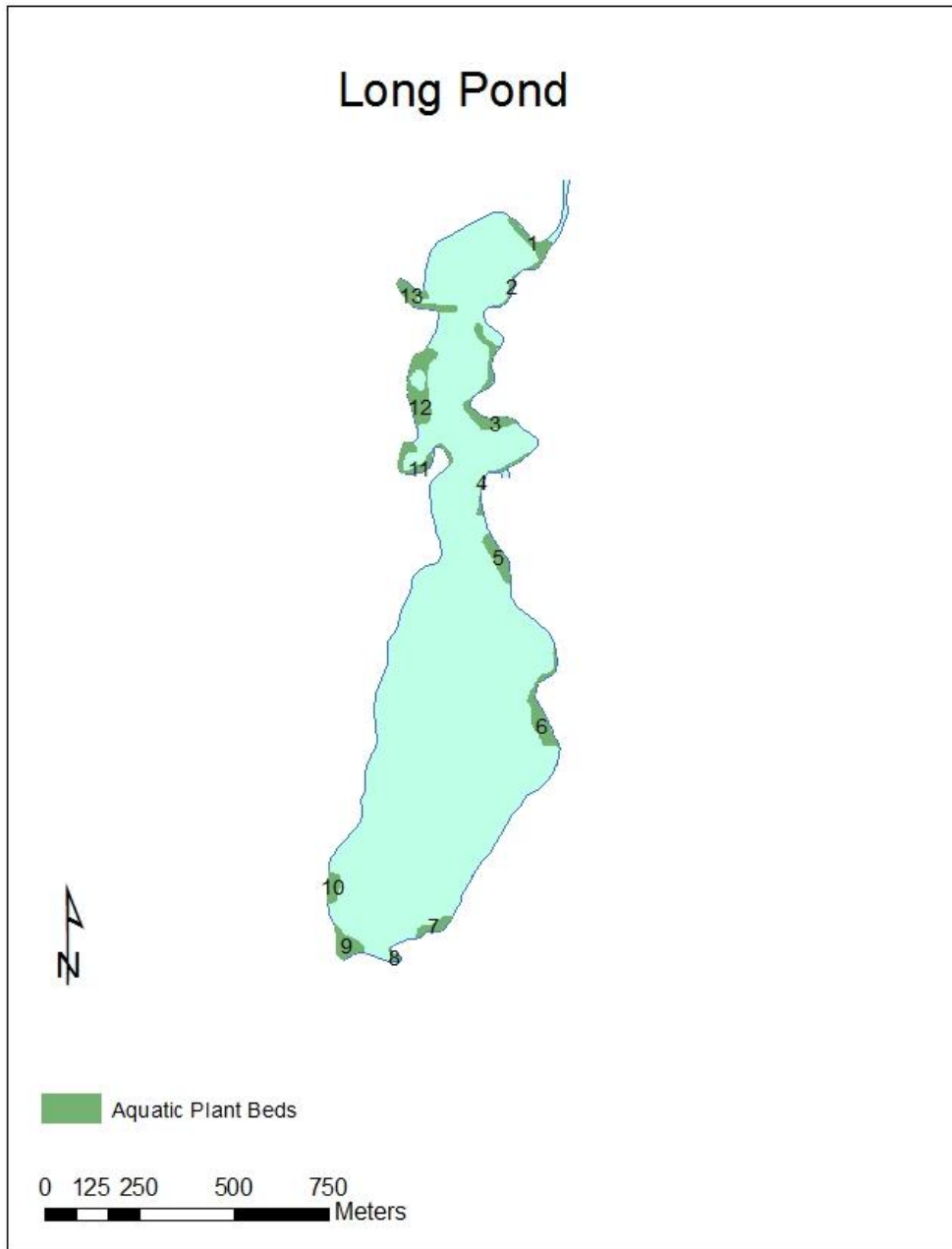


Map 52: Location of Long Pond.

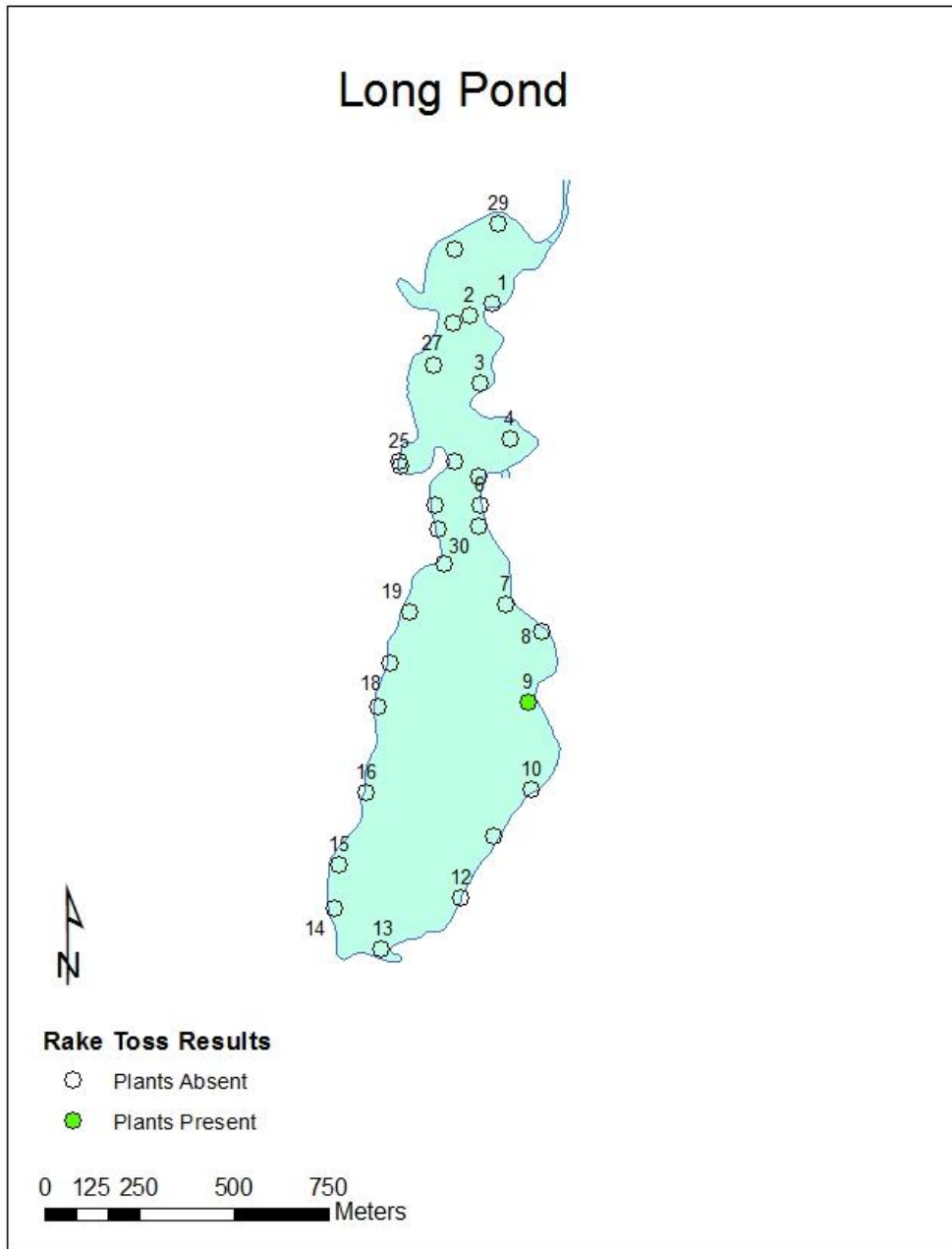
Long Pond is located in the town of Croghan in Lewis County, New York (map 52). The 146 acre pond was accessed by canoe launch through the outlet to the north of the pond from the Long Pond Road located off from the Erie Canal Road off from State Route 812.

An aquatic plant survey of Long Pond was conducted on 25-July-2012. No invasive species were detected during the surface survey of the reservoir. Aquatic plant coverage in Long Pond was moderate, comprised of 13 beds that collectively covered 12.5 acres or 8.5 % of the surface area of the lake (Map 53). Nine different aquatic species were identified during this survey. The most common of the pond were Pipewort (*Eriocaulon sp.*) and Spatterdock (*Nuphar variegata*). There were no species that would be easily confused with invasive species that could be found in the water (Table 37).

Of the 30 rake tosses spaced throughout the littoral zone of the pond (Map 54), only 1 rake had acquired plants upon recovery (3.3%). Brittlewort (*Nitella sp.*) was the only species recovered on the rake tosses that was not detected during the surface survey (Table 38)



Map 53: Location of the aquatic plant beds detected in Long Pond during the surface survey performed on 25 July, 2012.  
Data for Plant Beds can be found on Table 37.



Map 54: Rake toss locations on Long Pond, 25 July, 2012. 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 38.

Table 37: Percent cover of aquatic plant species detected at each plant bed in Long Pond. Refer to Map 53 for bed locations. A = Abundant (<50% cover), C = Common (25-50%), P = Present (15-25%), O = Occasional (5-15%), and R = Rare (<5%).

Long Pond			Plant Bed Numbers												
			1	2	3	4	5	6	7	8	9	10	11	12	13
<b>Scientific Name</b>	<b>Common Name</b>	<b>AREA (M<sup>2</sup>)</b>	3604	946	7397	1798	3909	6129	2186	644	4026	2357	4162	8697	4825
<i>Brasenia schreberi</i>	Water shield		O	P	O	O	-	O	P	P	P	-	R	O	O
<i>Elodea canadensis</i>	Canadian waterweed		-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Eriocaulon sp.</i>	Pipewort		R	O	R	R	R	R	R	O	A	R	R	-	R
<i>Lobelia dortmanna</i>	Water lobelia		R	-	R	-	R	R	-	P	O	O	O	P	R
<i>Nuphar variegata</i>	Spatterdock		O	P	P	P	A	P	-	P	-	O	O	O	O
<i>Nymphaea odorata</i>	White waterlily		P	C	A	A	-	O	-	O	-	O	O	P	P
<i>Potamogeton epihydrus</i>	Ribbon-leaf pondweed		-	-	-	R	R	-	-	-	-	-	-	-	-
<i>Sagittaria graminea</i>	Grassy arrowhead		-	-	-	-	-	-	-	-	-	-	-	R	-

Table 38: Species present on the rake at each of the rake toss locations and abundance. Refer to Map 54 for Rake locations.

Long Pond		Rake Toss Number
Scientific Name	Common Name	9
Nitella sp.	Brittlewort	R