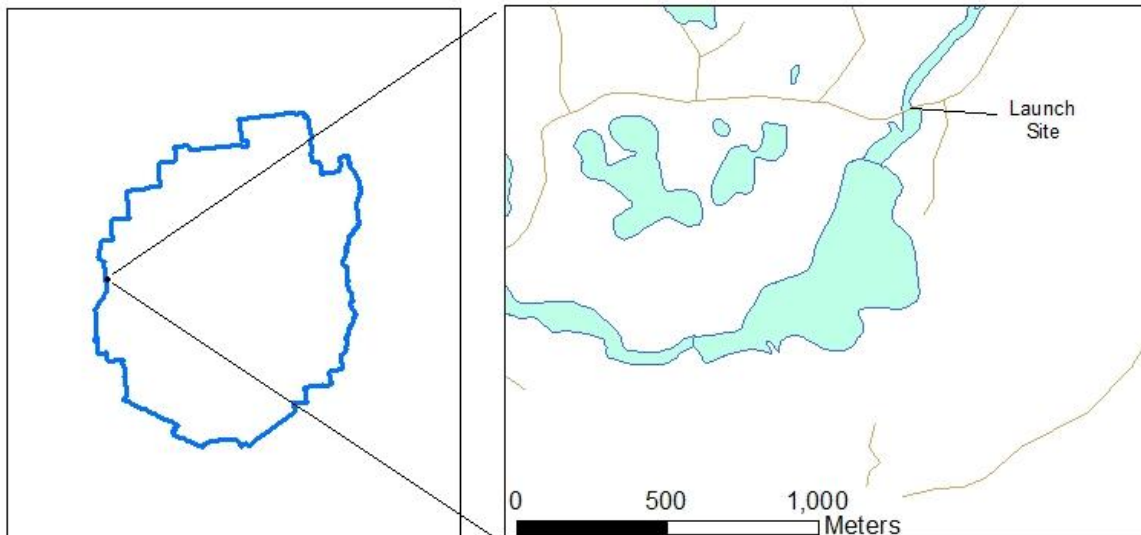


## Mud Pond Aquatic Plant Survey 2012

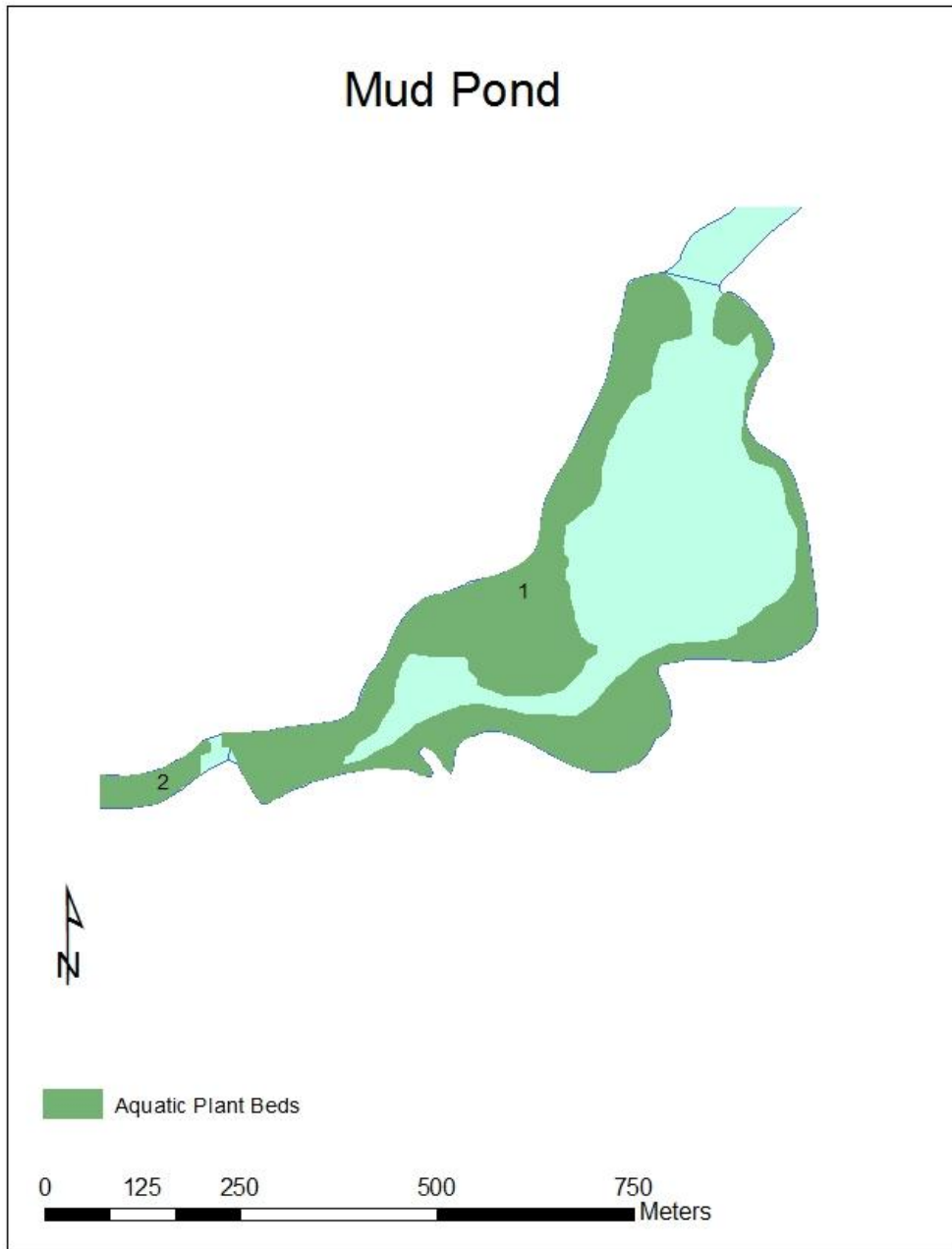


Map 68: Location of Mud Pond.

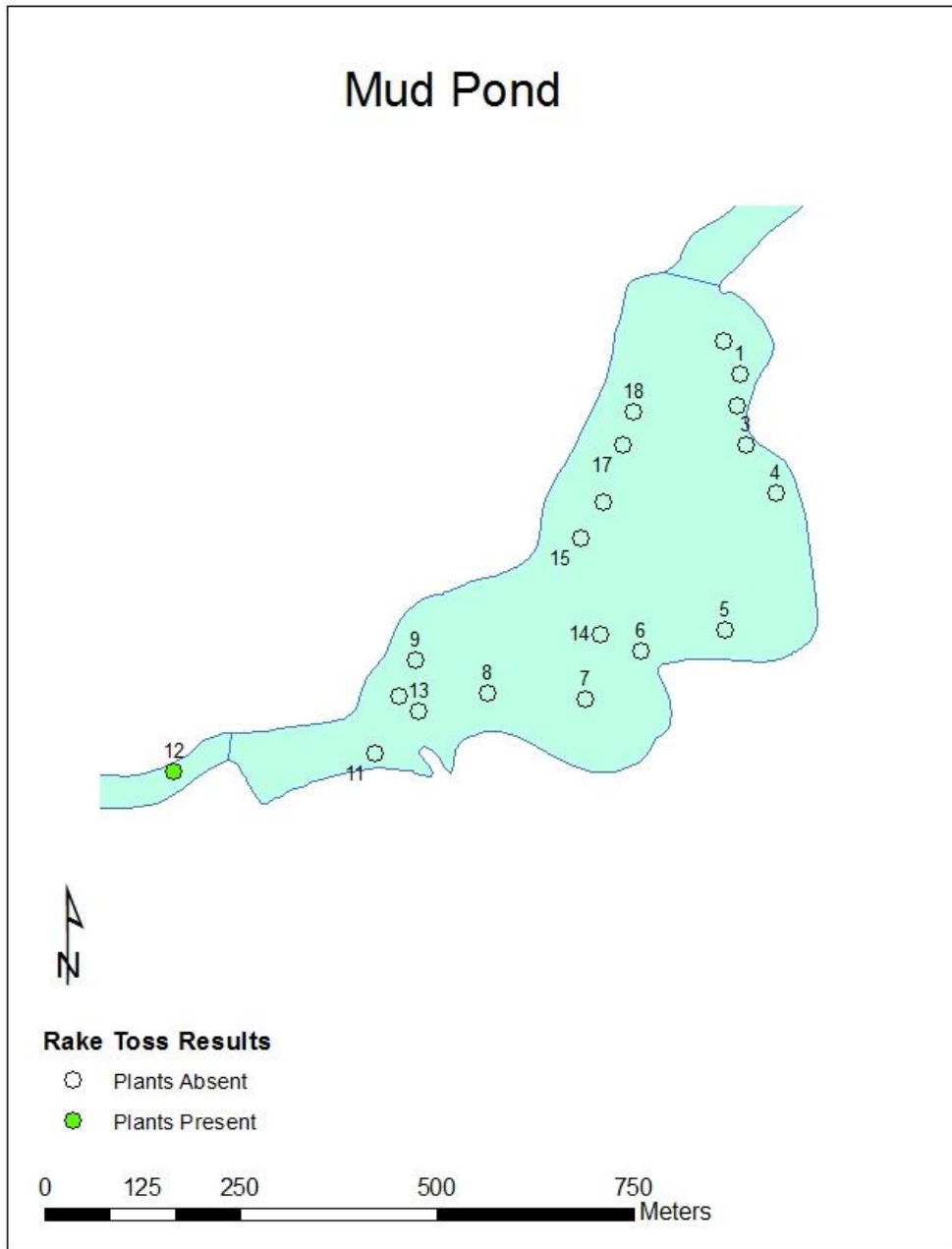
Mud Pond is located in the town of Croghan in Lewis County, New York (Map 68). The 51 acre pond was accessed by water, traveling south from the river access at the Long Pond Road located off from the Erie Canal Road off from State Route 812.

An aquatic plant survey of Mud Pond was conducted 25-July-2012. No invasive aquatic species were detected during the survey. Aquatic plant coverage in Clear Pond was relatively high, comprised of 2 aquatic plant beds that collectively covered 37.1 acres or 72.7% of the surface area of the pond (Map 69). Eleven different aquatic species were identified during this survey. The most common species found in the pond included White waterlily (*Nymphaea odorata*), and Hairgrass (*Eleocharis sp.*). Shortspike watermilfoil (*Myriophyllum sibiricum*) and Purple bladderwort (*Utricularia purpurea*) could both easily be confused with invasive species (Table 48).

Of the 19 rake tosses spaced throughout the littoral zone of Mud Pond (Map 70), 1 had acquired plants upon recovery (5.8%). All species recovered on the rake tosses were already detected during the surface survey (Table 49).



Map 69: Location of the aquatic plant beds detected in Mud Pond during the surface survey performed on 14 June, 2012.  
Data for Plant Beds can be found on Table 48.



Map 70: Rake toss locations on Mud Pond, 14 June, 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 49.

Table 48: Percent cover of aquatic plant species detected at each plant bed in Mud Pond. Refer to Map 69 for bed locations. A = Abundant (<50% cover), C = Common (25-50%), P = Present (15-25%), O = Occasional (5-15%), and R = Rare (<5%).

Mud Pond (Lewis County)			Plant Bed Numbers	
			1	2
Scientific Name	Common Name	AREA (M <sup>2</sup> )	106980	43381
<i>Brasenia schreberi</i>	Water shield		O	O
<i>Eleocharis sp.</i>	Hairgrass		C	A
<i>Eriocaulon sp.</i>	Pipewort		-	O
<i>Myriophyllum sibiricum</i>	Shortspike watermilfoil		R	-
<i>Nuphar variegata</i>	Spatterdock		R	-
<i>Nymphaea odorata</i>	White waterlily		C	C
<i>Potamogeton epihydrus</i>	Ribbon-leaf pondweed		-	R
<i>Sagittaria graminea</i>	Grassy arrowhead		R	R
<i>Sparganium sp.</i>	Bur-reed		R	-
<i>Utricularia purpurea</i>	Purple bladderwort		C	C
<i>Vallisneria americana</i>	Eel-grass		-	R

Table 49: Species present on the rake at each of the rake toss locations and abundance. Refer to Map 70 for Rake locations.

Mud Pond (Lewis County)		Rake Toss Number
Scientific Name	Common Name	12
<i>Vallisneria americana</i>	Eel-grass	O