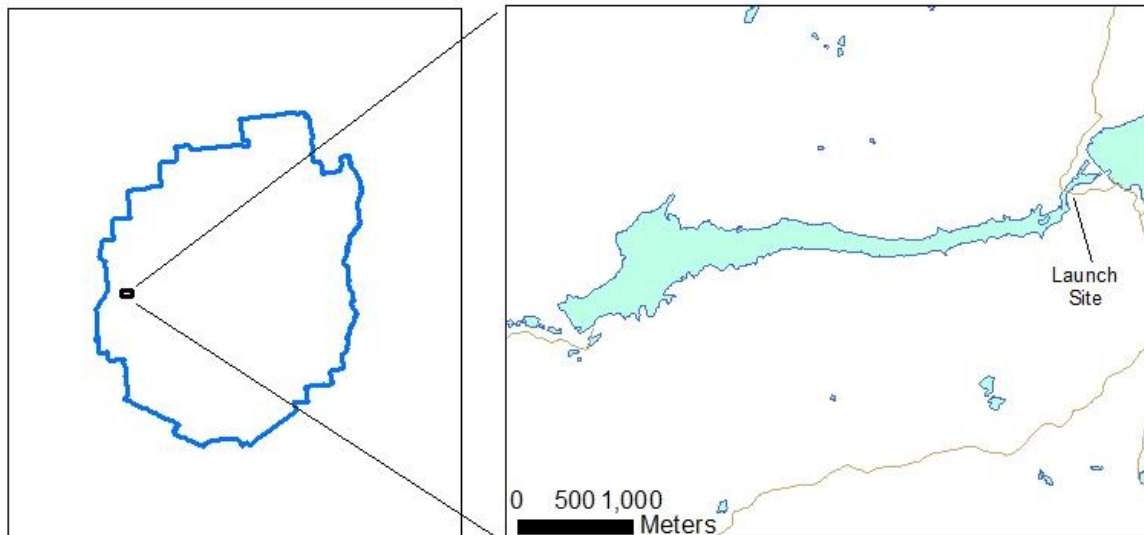


## Moshier Reservoir Aquatic Plant Survey 2012

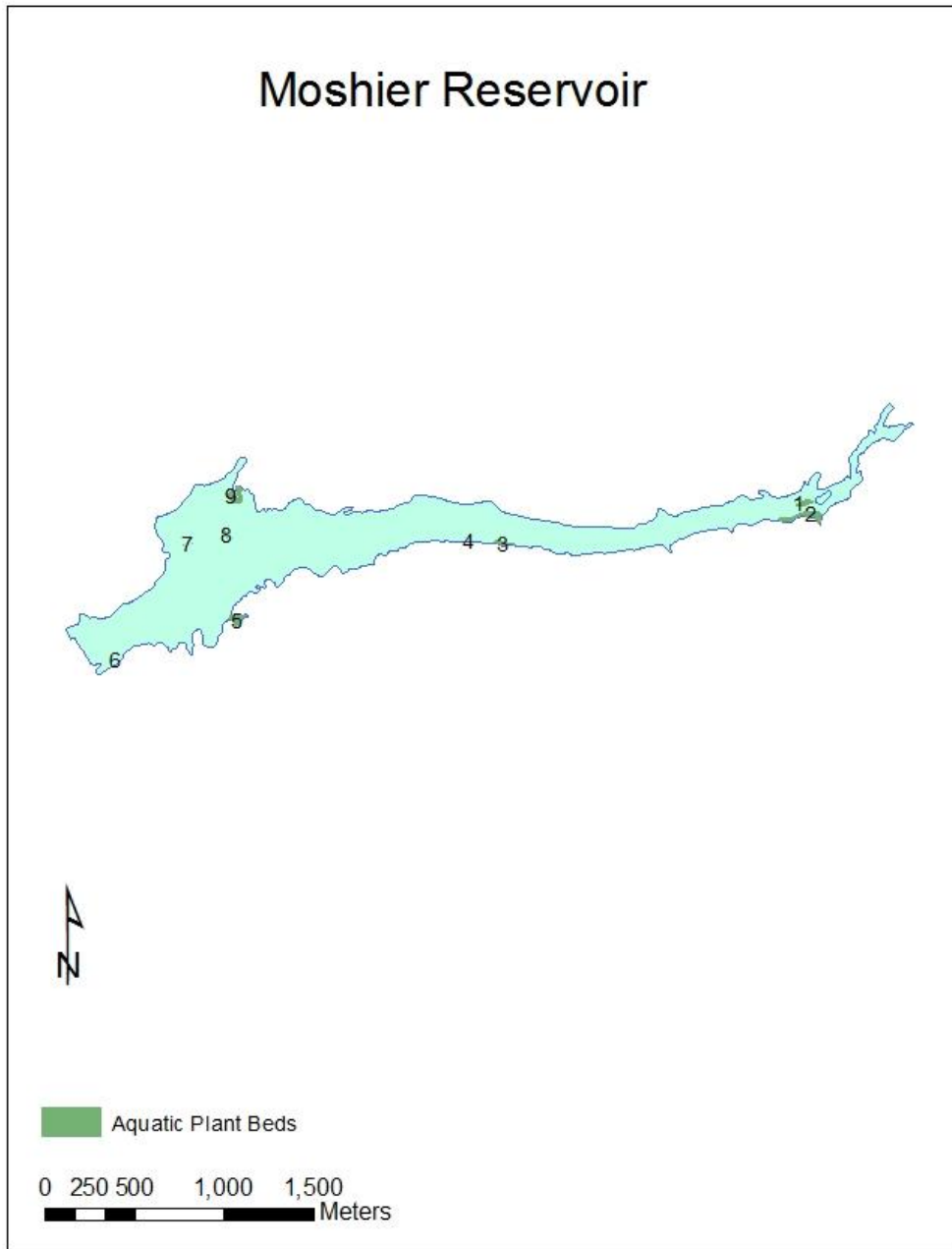


Map 62: Location of Moshier Reservoir.

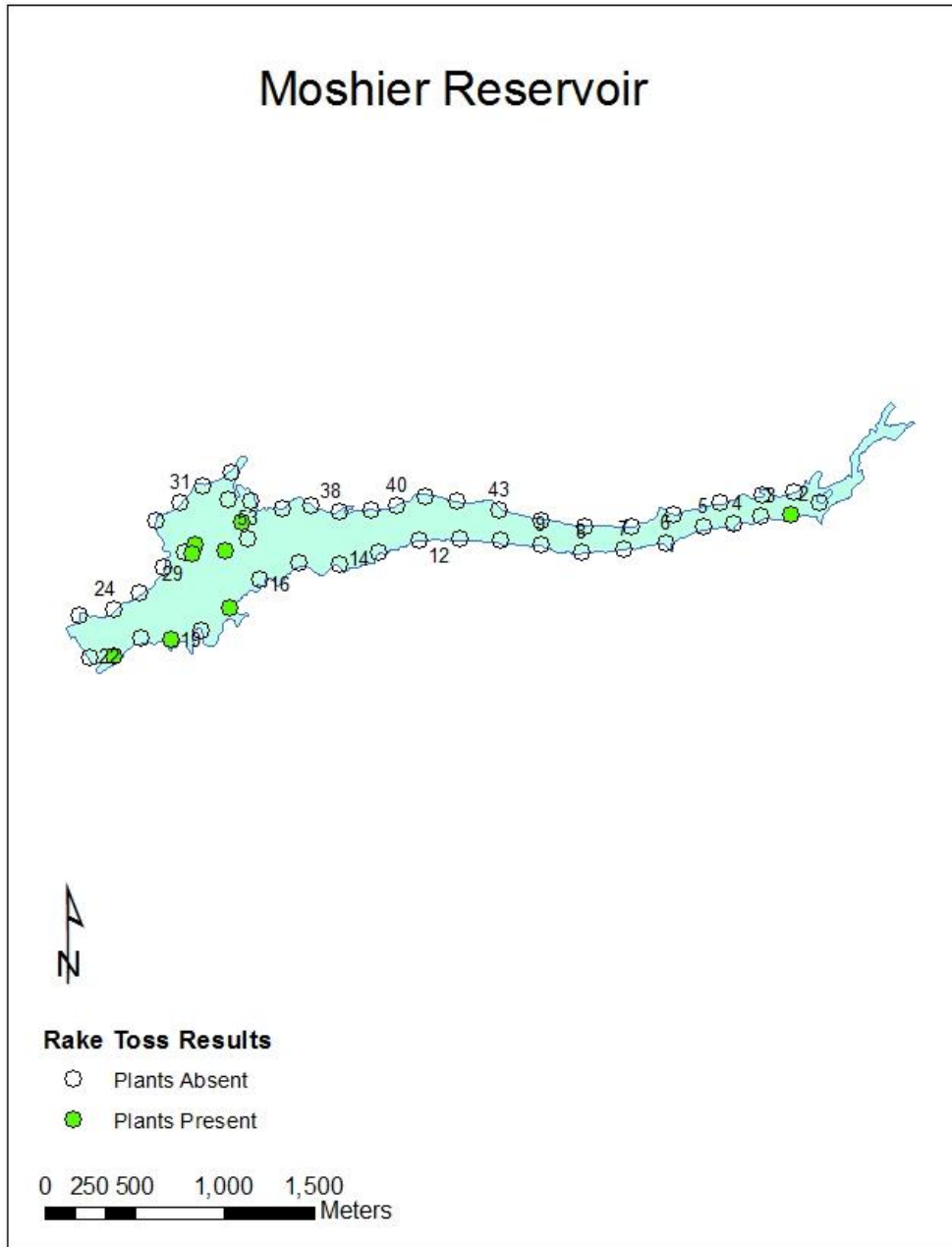
Moshier Reservoir is located in the town of Watson in Lewis County, New York (Map 62). The 275 acre reservoir was accessed by a canoe launch on the eastern end. The launch was found on the Necessary Dam Road off from Stillwater Road which connected from Big Moose Road out of Eagle Bay, New York.

An aquatic plant survey of Moshier Reservoir was conducted on 15-August-2012. No invasive species were detected during the surface survey of the reservoir. Aquatic plant coverage in Moshier Reservoir was relatively low, comprised of 9 beds that collectively covered 5.5 acres or 2.1 % of the surface area of the reservoir (Map 63). Eight different aquatic species were identified during this survey. The most common of the reservoir was Ribbon-leaf pondweed (*Potamogeton epihydris*). Common bladderwort (*Utricularia vulgaris*), Flat-leaf bladderwort (*U. intermedia*), and Purple bladderwort (*U. purpurea*) were the species detected which could easily be confused with invasive species (Table 44)

Of the 53 rake tosses spaced throughout the littoral zone of the reservoir (Map 64), 8 rakes had acquired plants upon recovery (15.1 %). Coontail (*Ceratophyllum sp.*) was the only species found on the rakes after retrieval that had not been detected during the surface survey (Table 45).



Map 63: Location of the aquatic plant beds detected in Moshier Reservoir during the surface survey performed on 15 Aug, 2012.  
Data for Plant Beds can be found on Table 44.



Map 64: Rake toss locations on Moshier Reservoir, 15 Aug, 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 45.

Table 44: Percent cover of aquatic plant species detected at each plant bed in Moshier Reservoir. Refer to Map 63 for bed locations. A = Abundant (<50% cover), C = Common (25-50%), P = Present (15-25%), O = Occasional (5-15%), and R = Rare (<5%).

Moshier Reservoir			Plant Bed Numbers								
			1	2	3	4	5	6	7	8	9
<b>Scientific Name</b>	<b>Common Name</b>	<b>AREA (M<sup>2</sup>)</b>	2719	7451	2030	140	4056	0	325	363	5221
<i>Eleocharis sp.</i>	Hairgrass		-	-	-	-	-	-	R	-	O
<i>Nitella sp.</i>	Brittlewort		-	-	-	-	R	-	-	-	R
<i>Potamogeton epihydrus</i>	Ribbon-leaf pondweed		A	C	R	R	R	-	P	P	R
<i>Sagittaria graminea</i>	Grassy arrowhead		-	-	-	R	R	-	O	-	R
<i>Sparganium sp.</i>	Bur-reed		R	-	R	R	-	-	-	-	P
<i>Utricularia intermedia</i>	Flatleaf bladderwort		-	-	-	-	-	R	-	-	-
<i>Utricularia vulgaris</i>	Common bladderwort		-	R	-	-	-	-	-	-	-

Table 45: Species present on the rake at each of the rake toss locations and abundance. Refer to Map 64 for Rake locations.

Moshier Reservoir		Rake Toss Numbers							
Scientific Name	Common Name	2	17	19	21	28	29	51	52
<i>Ceratophyllum sp.</i>	Coontail	R	-	-	-	-	-	-	-
<i>Utricularia purpurea</i>	Purple bladderwort	-	O	R	R	R	R	R	R