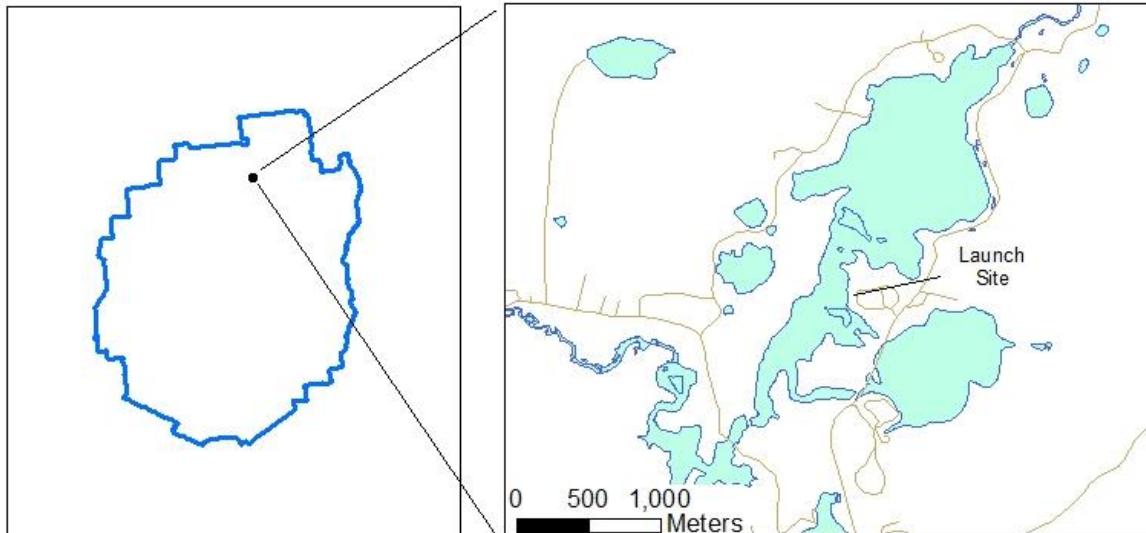


Kushaqua Lake Aquatic Plant Survey 2012

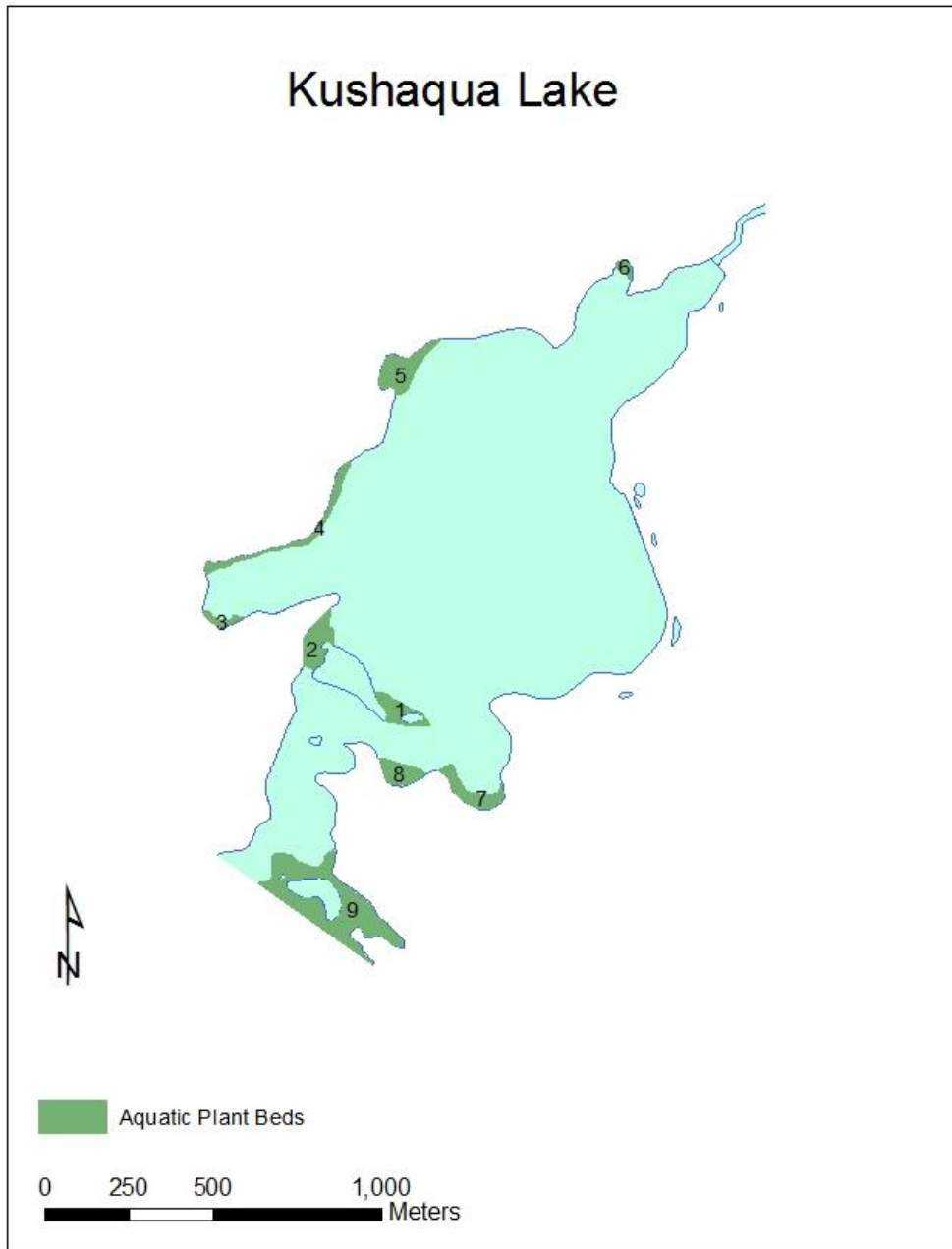


Map 40: Location of Kushaqua Lake.

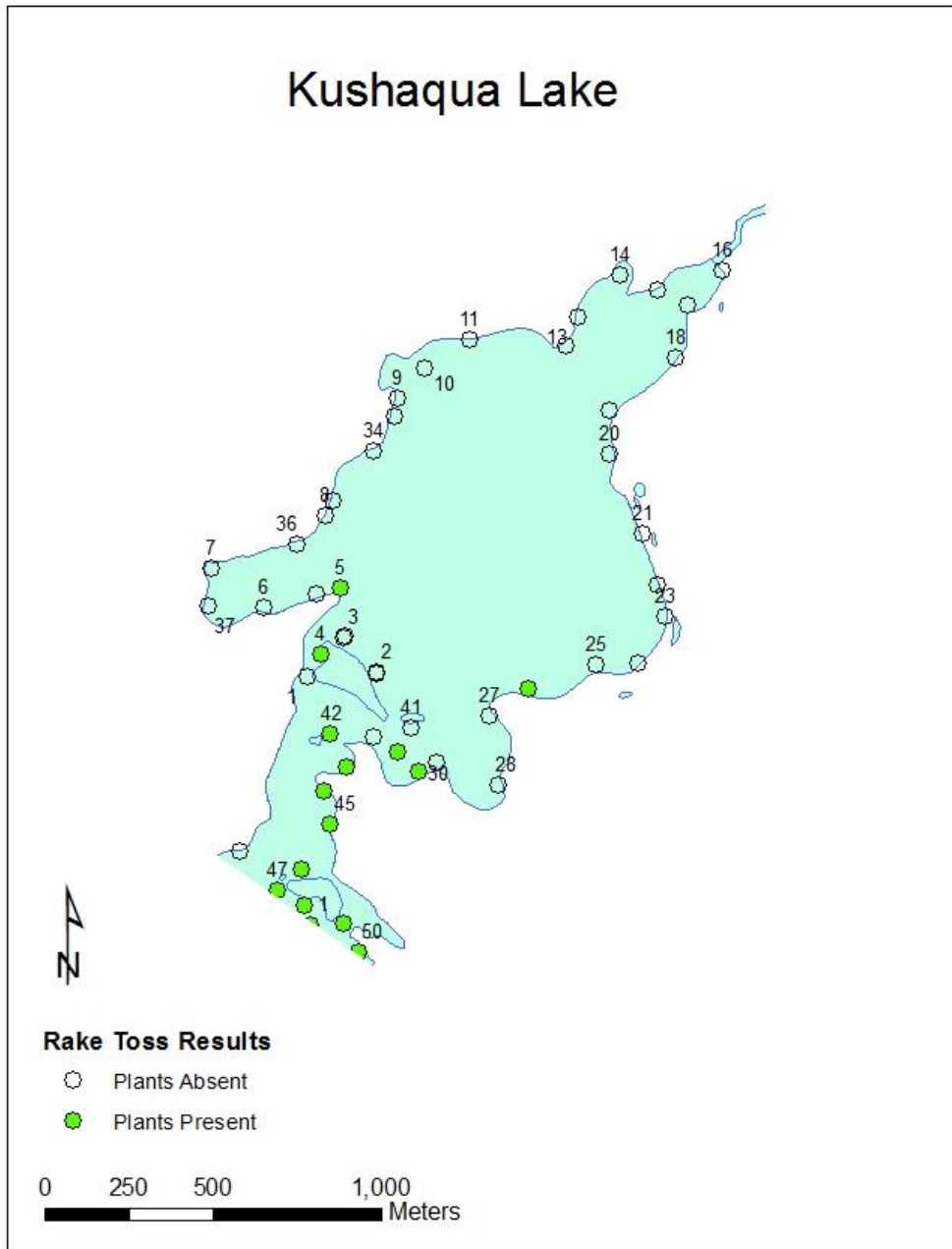
Kushaqua Lake is located in the town of Franklin in Franklin County, New York (Map 40). The 377 acre lake was accessed through the Rainbow Lake Narrows from the Camp Road, off from the Kushaqua-Mud Pond Road in Onchiota, New York.

An aquatic plant survey of Kushaqua Lake was conducted 23-August-2012. No invasive aquatic species were detected during the survey. Aquatic plant coverage in Kushaqua was relatively low, comprised of 9 beds that covered 27.5 acres or 7.3% of the surface area of the lake (Map 41). Thirteen different aquatic species were identified during this survey. Common species of these water bodies included Watershield (*Brasenia schreberi*) and Water naiad (*Najas sp.*). There were no native species in these water bodies that could easily be confused with invasive species (Table 28).

Of the 50 rake tosses spaced throughout the littoral zone of Kushaqua Lake (Map 42), 14 had acquired plants upon recovery (28%). Brittlewort (*Nitella sp.*) and Small pondweed (*Potamogeton pusillus*) were acquired on the rake tosses but not detected during the surface survey (Table 29).



Map 41: Location of the aquatic plant beds detected in Kushaquua Lake during the surface survey performed on 23 Aug, 2012.
Data for Plant Beds can be found on Table 28.



Map 42: Rake toss locations on Kushaquua Lake, 23 August, 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 29.

Table 28: Percent cover of aquatic plant species detected at each plant bed in Kushaquua Lake. Refer to Map 41 for bed locations. A = Abundant (<50% cover), C = Common (25-50%), P = Present (15-25%), O = Occasional (5-15%), and R = Rare (<5%).

Kushaquua Lake			Plant Bed Numbers								
			1	2	3	4	5	6	7	8	9
Scientific Name	Common Name	AREA (M²)	7176	10150	2709	10439	12498	1768	8685	7134	50593
<i>Brasenia schreberi</i>	Water shield		O	R	O	R	O	R	O	O	O
<i>Elodea canadensis</i>	Canadian waterweed		-	-	-	-	R	-	-	-	-
<i>Najas sp.</i>	Water naiad		O	O	-	-	O	R	O	-	P
<i>Nuphar variegata</i>	Spatterdock		-	R	R	-	R	-	R	O	R
<i>Nymphaea odorata</i>	White waterlily		-	-	R	P	P	R	-	R	-
<i>Potamogeton amplifolius</i>	Large-leaf pondweed		O	O	-	R	R	O	R	-	-
<i>Potamogeton epihydrus</i>	Ribbon-leaf pondweed		O	O	O	-	-	-	O	O	-
<i>Potamogeton prealongus</i>	White-stem pondweed		-	O	-	-	-	-	-	-	-
<i>Sparganium sp.</i>	Bur-reed		-	-	-	R	-	-	-	R	-
<i>Utricularia purpurea</i>	Purple bladderwort		-	-	-	-	-	-	-	-	R
<i>Vallisneria americana</i>	Eel-grass		-	-	-	-	O	O	-	-	-

Table 29: Species present on the rake at each of the rake toss locations and abundance. Refer to Map 42 for Rake locations.

Kushaquua Lake		Rake Toss Numbers													
Scientific Name	Common Name	4	5	26	30	31	42	43	44	45	46	47	48	49	50
<i>Najas sp.</i>	Water naiad	R	-	R	-	R	R	R	R	R	P	C	P	C	A
<i>Nitella sp.</i>	Brittlewort	-	R	-	-	-	-	-	-	-	-	-	-	-	-
<i>Potamogeton amplifolius</i>	Large-leaf pondweed	O	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Potamogeton pusillus</i>	Small pondweed	-	-	-	R	-	-	-	-	-	-	-	-	-	-
<i>Utricularia purpurea</i>	Purple bladderwort	-	-	-	-	-	-	-	-	-	R	R	-	-	-