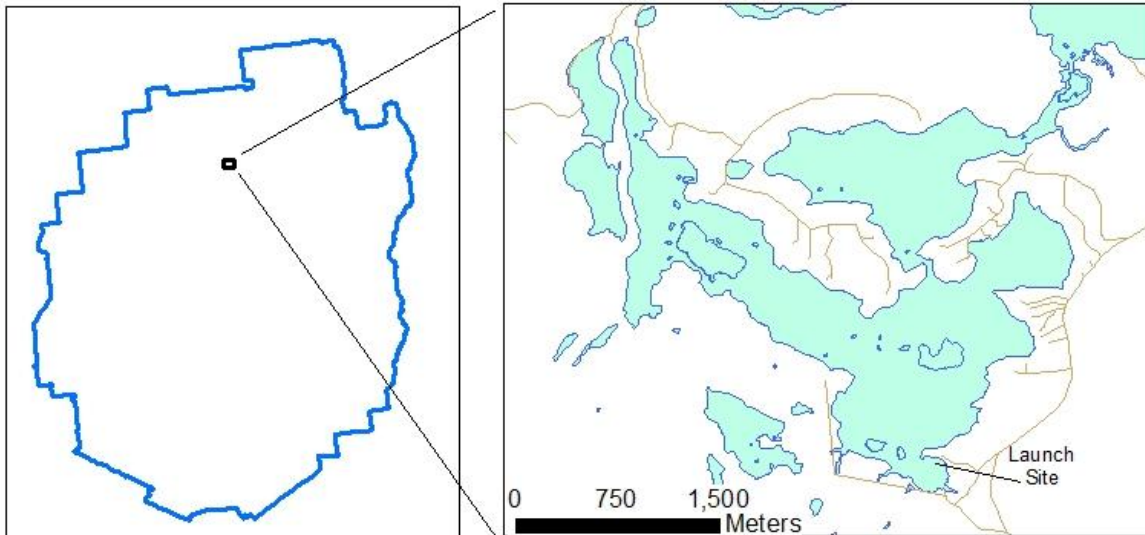


## Upper St. Regis Lake Aquatic Plant Survey 2012

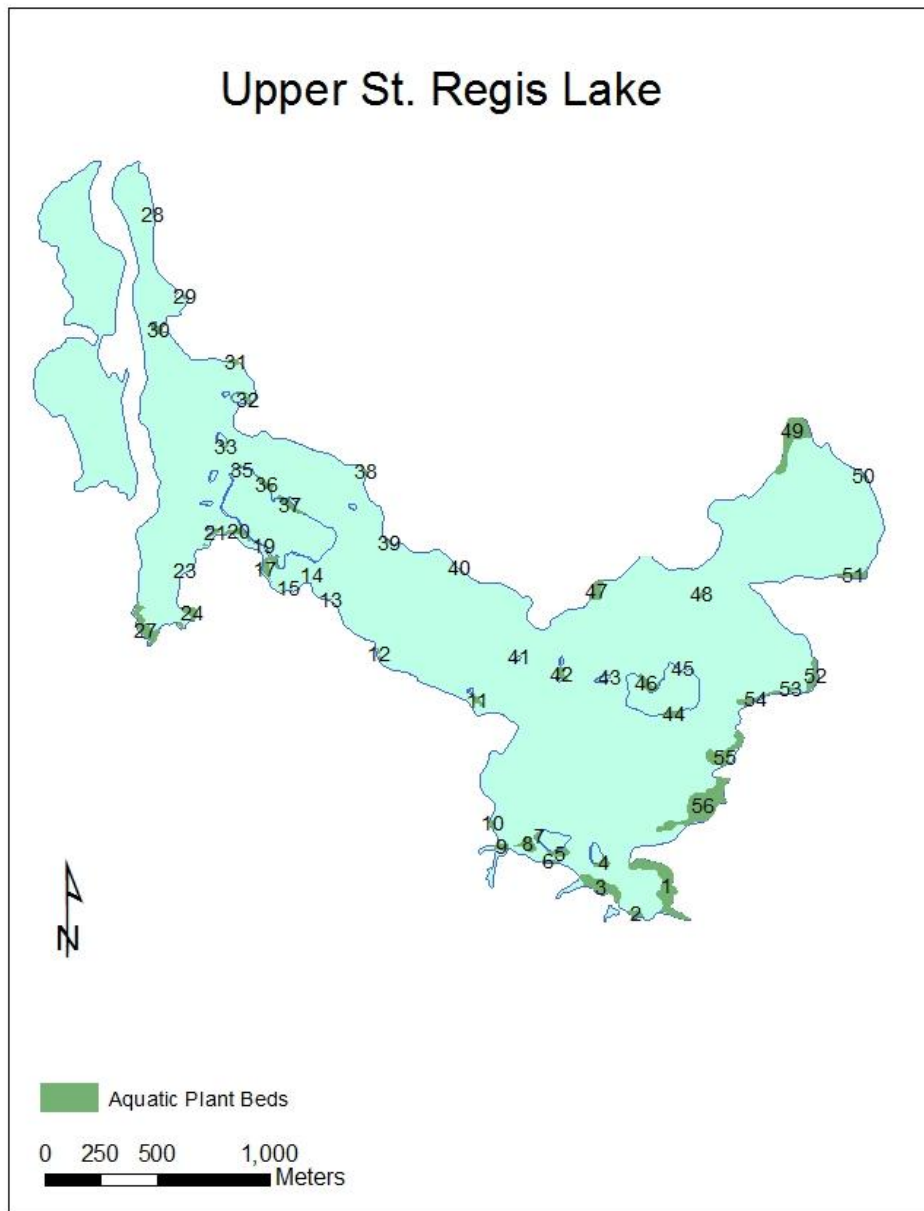


Map 113: Location of Upper St. Regis Lake.

Upper St. Regis Lake is located the town of Harrietstown in Franklin County, New York (Map 113). The 711 acre lake was accessed by water through Spitfire Lake to the north or from a DEC boat launch off from State Route 30, South of Paul Smiths and north of Lake Clear.

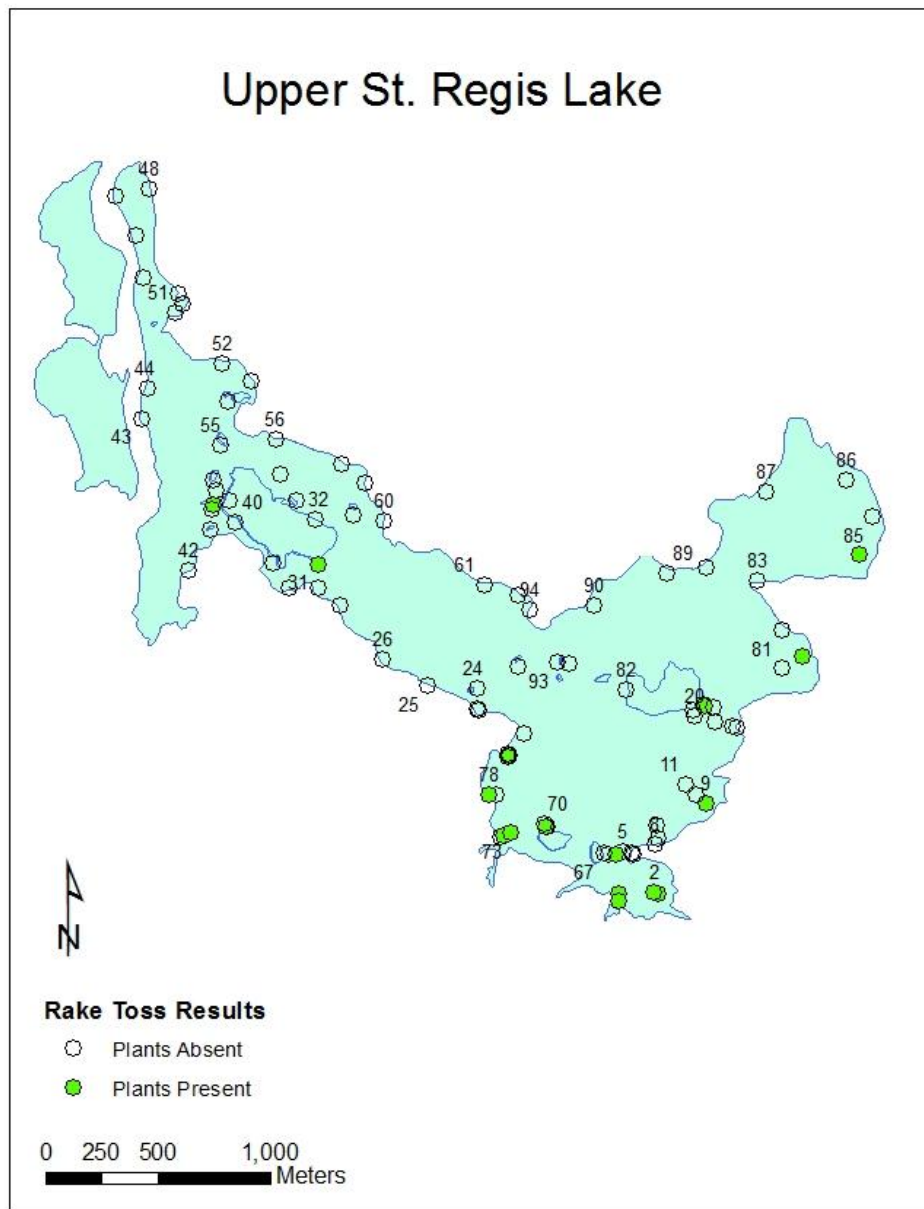
An aquatic plant survey of Upper St. Regis Lake was conducted on 18-July-2012. No invasive aquatic plants were detected during the survey. Aquatic plant coverage in Upper St. Regis Lake was relatively low, comprised of 56 plant beds that collectively covered 37 acres or 5% of the surface area of the lake (Map 114). Fifteen different aquatic species were identified during this survey. Species common within the water body included Ribbon-leaf pondweed (*Potamogeton epihydris*), Large-leaf pondweed (*P. amplifolius*), White waterlily (*Nymphaea odorata*), Spatterdock (*Nuphar variegata*), and Watershield (*Brasenia*) found in many of the shallower locations of the water. Common bladderwort (*Utricularia vulgaris*), Alternate-leaf milfoil (*Myriophyllum alterniflorum*), and Shortspike watermilfoil (*M. sibiricum*) could be easily confused for invasive species (Table 77).

Of the 95 rake tosses spaced throughout the littoral zone of the lake (Map 115), 16 had acquired plants upon recovery (16.8%). Purple bladderwort (*Utricularia purpurea*) and Brittlewort (*Nitella sp.*) were the only species brought up on the rakes that were not detected in the surface survey (Table 78).



Map 114: Location of the aquatic plant beds detected in Upper St. Regis Lake during the surface survey performed on 18 July, 2012.

Data for Plant Beds can be found on Table 77.



Map 115: Rake toss locations on Upper St. Regis Lake, 18 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 78.

Table 77: Percent cover of aquatic plant species detected at each plant bed in Upper St. Regis Lake. Refer to Map 114 for bed locations. A = Abundant (<50% cover), C = Common (25-50%), P = Present (15-25%), O = Occasional (5-15%), and R = Rare (<5%).

Upper St. Regis Lake			Plant Bed Numbers																			
Scientific Name	Common Name	AREA (M <sup>2</sup> )	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
<i>Brasenia schreberi</i>	Water shield		P	R	-	-	O	P	-	-	P	-	-	-	-	-	-	-	P	-	-	C
<i>Eleocharis sp.</i>	Hairgrass		C	-	-	R	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Elodea nuttalia</i>	Western waterweed		-	-	P	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Eriocaulon sp.</i>	Pipewort		-	P	-	-	-	-	-	-	-	-	-	-	C	-	-	-	P	-	-	P
<i>Lobelia dortmanna</i>	Water lobelia		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Myriophyllum alteriflorum</i>	Alternate-leaf milfoil		-	-	-	C	P	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Myriophyllum sibiricum</i>	Shortspike watermilfoil		-	-	A	-	P	-	-	-	R	-	-	-	-	-	-	-	-	-	-	-
<i>Nuphar variegata</i>	Spatterdock		O	P	R	-	A	C	C	-	R	-	-	O	-	-	-	O	O	-	-	-
<i>Nymphaea odorata</i>	White waterlily		P	A	R	-	A	-	C	-	R	C	P	-	-	-	-	-	C	C	C	O
<i>Potamogeton amplifolius</i>	Large-leaf pondweed		R	-	-	C	-	-	-	C	C	C	C	C	A	-	-	O	-	-	-	-
<i>Potamogeton epihydrus</i>	Ribbon-leaf pondweed		R	R	R	-	O	-	-	R	O	P	R	-	-	-	-	C	-	-	R	R
<i>Potamogeton gramineus</i>	Variable-leaf pondweed		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Potamogeton natans</i>	Floating pondweed		O	-	-	-	-	-	-	-	C	-	-	-	-	-	-	-	-	-	-	-
<i>Potamogeton perfoliatus</i>	Clasping-leaf pondweed		R	-	-	-	-	-	-	O	-	-	-	-	-	-	-	-	-	-	-	-
<i>Potamogeton robbinsii</i>	Robbins pondweed		-	-	C	O	-	-	-	O	O	-	-	-	-	-	-	-	-	-	-	-
<i>Sagittaria graminea</i>	Grassy arrowhead		P	O	R	R	-	R	-	-	R	-	-	A	C	-	A	-	P	-	-	-
<i>Sparganium sp.</i>	Bur-reed		R	R	R	R	-	-	-	-	-	P	-	R	R	-	C	-	R	-	-	O
<i>Utricularia vulgaris</i>	Common bladderwort		R	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Vallisneria americana</i>	Eel-grass		R	O	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Upper St. Regis Lake			Plant Bed Numbers																			
Scientific Name	Common Name	AREA (M <sup>2</sup> )	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
<i>Brasenia schreberi</i>	Water shield	1181	214	23	2702	503	59	8121	217	492	2065	1045	1520	614	48	369	1859	2823	315	326	54	
<i>Eleocharis sp.</i>	Hairgrass		-	-	-	C	-	-	C	-	-	C	-	-	-	-	-	-	-	-	-	-
<i>Elodea nuttalia</i>	Western waterweed		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Eriocaulon sp.</i>	Pipewort		C	C	C	C	O	P	P	-	-	P	O	C	-	O	-	O	O	-	-	-
<i>Lobelia dortmanna</i>	Water lobelia		-	-	-	-	R	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Myriophyllum alteriflorum</i>	Alternate-leaf milfoil		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Myriophyllum sibiricum</i>	Shortspike watermilfoil		-	-	-	R	R	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Nuphar variegata</i>	Spatterdock		-	-	-	R	A	-	C	-	-	P	-	-	-	-	-	P	P	-	-	-
<i>Nymphaea odorata</i>	White waterlily		A	P	P	-	-	-	A	A	A	-	A	A	C	C	C	C	A	O	-	-
<i>Potamogeton amplifolius</i>	Large-leaf pondweed		R	-	-	O	-	-	P	-	-	-	-	-	-	-	-	-	C	-	P	-
<i>Potamogeton epihydrus</i>	Ribbon-leaf pondweed		-	-	-	-	-	-	-	-	O	-	O	-	-	-	-	-	O	-	-	-
<i>Potamogeton gramineus</i>	Variable-leaf pondweed		-	-	-	-	-	-	R	-	-	R	-	-	-	-	-	-	-	-	-	-
<i>Potamogeton natans</i>	Floating pondweed		-	-	-	-	-	-	P	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Potamogeton perfoliatus</i>	Clasping-leaf pondweed		-	-	-	-	-	-	R	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Potamogeton robbinsii</i>	Robbins pondweed		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Sagittaria graminea</i>	Grassy arrowhead		C	C	-	-	-	-	-	-	O	-	P	-	-	-	-	-	R	-	-	-
<i>Sparganium sp.</i>	Bur-reed		-	R	-	-	P	R	O	-	-	O	R	R	-	-	-	-	R	A	P	C
<i>Utricularia vulgaris</i>	Common bladderwort		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Vallisneria americana</i>	Eel-grass		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Upper St. Regis Lake			Plant Bed Numbers															
			41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
Scientific Name	Common Name	AREA (M <sup>2</sup> )	2	2054	205	1585	1	3203	3725	604	14572	527	3477	4113	818	3148	9749	24993
<i>Brasenia schreberi</i>	Water shield		-	-	-	-	-	-	-	-	O	-	-	-	-	-	-	-
<i>Eleocharis sp.</i>	Hairgrass		-	-	-	-	-	-	-	-	-	-	-	P	-	-	-	O
<i>Elodea nuttalia</i>	Western waterweed		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Eriocaulon sp.</i>	Pipewort		-	-	O	P	-	O	R	-	P	P	P	-	O	O	R	R
<i>Lobelia dortmanna</i>	Water lobelia		-	-	-	-	-	-	-	-	-	R	O	-	-	-	-	-
<i>Myriophyllum alteriflorum</i>	Alternate-leaf milfoil		-	-	-	-	R	-	-	-	-	-	-	-	-	-	R	-
<i>Myriophyllum sibiricum</i>	Shortspike watermilfoil		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Nuphar variegata</i>	Spatterdock		-	P	A	-	-	P	R	-	R	O	-	P	-	-	R	R
<i>Nymphaea odorata</i>	White waterlily		-	-	-	-	-	-	R	-	P	O	-	P	A	C	-	R
<i>Potamogeton amplifolius</i>	Large-leaf pondweed		A	O	-	-	-	-	-	A	O	-	O	R	-	C	O	P
<i>Potamogeton epihydrus</i>	Ribbon-leaf pondweed		-	R	R	-	-	O	O	-	-	-	-	O	-	-	R	R
<i>Potamogeton gramineus</i>	Variable-leaf pondweed		-	R	O	-	-	-	-	-	-	-	-	-	-	-	R	-
<i>Potamogeton natans</i>	Floating pondweed		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Potamogeton perfoliatus</i>	Clasping-leaf pondweed		-	-	-	-	-	-	-	-	-	-	-	-	-	-	O	P
<i>Potamogeton robbinsii</i>	Robbins pondweed		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Sagittaria graminea</i>	Grassy arrowhead		-	-	R	O	-	C	R	-	R	R	O	R	-	R	O	R
<i>Sparganium sp.</i>	Bur-reed		-	O	R	P	-	P	O	-	O	O	P	O	R	P	R	R
<i>Utricularia vulgaris</i>	Common bladderwort		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	R
<i>Vallisneria americana</i>	Eel-grass		-	-	-	-	-	-	-	-	-	-	-	-	-	-	O	R

Table 78: Species present on the rake at each of the rake toss locations and abundance. Refer to Map 115 for Rake locations.

Upper St. Regis Lake		Rake Toss Locations															
Scientific Name	Common Name	1	2	9	16	31	38	63	64	66	69	72	73	76	79	84	95
<i>Eleocharis sp.</i>	Hairgrass	R	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Elodea nuttalia</i>	Western waterweed	-	-	-	-	-	-	-	-	R	-	-	-	-	-	R	-
<i>Eriocaulon sp.</i>	Pipewort	-	-	-	-	O	R	-	-	-	-	-	-	-	-	-	-
<i>Myriophyllum alteriflorum</i>	Alternate-leaf milfoil	-	-	-	-	-	-	-	-	-	-	-	-	R	-	-	-
<i>Myriophyllum sibiricum</i>	Shortspike watermilfoil	-	-	-	-	-	-	-	C	-	-	-	-	-	R	-	-
<i>Nitella sp.</i>	Brittlewort	-	-	-	-	-	-	-	-	P	-	-	O	-	-	-	-
<i>Potamogeton amplifolius</i>	Large-leaf pondweed	-	-	-	-	-	-	-	-	-	-	-	-	C	-	-	R
<i>Potamogeton gramineus</i>	Variable-leaf pondweed	-	-	-	-	-	-	-	-	-	-	-	-	-	R	-	-
<i>Potamogeton perfoliatus</i>	Clasping-leaf pondweed	-	-	R	-	O	-	-	-	-	-	R	-	-	-	-	-
<i>Potamogeton robbinsii</i>	Robbins pondweed	-	-	-	-	-	-	C	-	-	-	-	-	-	-	-	-
<i>Sagittaria graminea</i>	Grassy arrowhead	-	-	-	R	-	-	-	-	-	-	-	-	-	-	-	-
<i>Sparganium sp.</i>	Bur-reed	-	-	-	-	-	-	-	-	-	R	-	-	-	-	-	-
<i>Utricularia purpurea</i>	Purple bladderwort	-	-	-	-	-	-	-	-	P	-	O	-	-	-	-	-
<i>Utricularia vulgaris</i>	Common bladderwort	-	-	-	-	-	-	-	-	O	-	-	-	R	-	-	-
<i>Vallisneria americana</i>	Eel-grass	-	R	-	-	-	-	-	-	-	-	-	-	-	-	-	-



# 2012 Survey Lakes

