

## Eagle Lake

Survey Date: July 10, 2018

### Lake Description

Eagle Lake is 424.41 acres. It is located in the town of Ticonderoga, Essex County and lies in the Upper Hudson watershed. The team launched at the fishing access site on Route 74.

### Aquatic Invasive Plant Presence

A total of 30 invasive *Myriophyllum spicatum* (Eurasian watermilfoil) plant beds were mapped. *Myriophyllum spicatum* was first discovered on Eagle Lake in the 1970's. In the past, the Eagle Lake Property Owners, Inc. has managed the milfoil, which forms several dense mono-cultures around the perimeter of the lake and at atolls away from shore. *Potamogeton crispus* (curly-leaf pondweed) is another known invasive species in Eagle Lake, though none was detected during this survey. *Potamogeton crispus* has a unique biology that may factor into detection. It is usually one of the first plants to emerge each spring, and by mid-June or July the plants typically have died off for the season.

### Native Plant Biota

Comprehensive surveys of all native plants found within the pond were not prioritized in 2018, as this data had been previously collected in 2015 when the lake was first surveyed. An abundance of plant life still persists in the lake despite the presence of *Myriophyllum spicatum*. Some species found were: *Elodea canadensis* (common waterweed), *Chara* spp., *Potamogeton zosteriformis* (flat stem pondweed), *Potamogeton robbinsii* (fern pondweed), *Potamogeton gramineus* (variable pondweed), *Nitella* spp., and *Brasenia schreberi* (watershield).

### Aquatic Invasive Animal Presence

Sediment sieves were taken to determine the presence of *Corbicula fluminea* (Asian clams). None were found. Three plankton tows were also conducted with no invasive plankton detected. The team returned to Eagle Lake on 9/4/2018 to do three additional plankton tows after hearing possible reports of *Bythotrephes longimanus* (spiny waterflea). All three additional plankton tows returned no invasive plankton.

### Invasive Species Percent Cover (See map on adjacent page)

Eurasian Watermilfoil				Eurasian Watermilfoil				Eurasian Watermilfoil			
Bed	Size (Ac.)	Size (Sq. Ft.)	% Cover	Bed	Size (Ac.)	Size (Sq. ft)	% Cover	Bed	Size (Ac.)	Size (Sq. Ft.)	% Cover
1	0.03	1,231	11 to 25	20	0.75	32,880	51 to	34	0.15	6,590	11 to 25
2	0.71	31,139	51 to	21	0.46	20,128	51 to	35	1.80	78,422	26 to 50
3	0.31	13,385	51 to	22	0.25	10,846	51 to	36	0.18	7,853	51 to 100
4	0.03	1,095	11 to 25	23	0.28	12,055	51 to	37	0.29	12,466	26 to 50
5	0.61	26,418	11 to 25	24	0.02	657	26 to 50	38	0.25	10,950	26 to 50
6	0.49	21,340	51 to	25	0.15	6,324	11 to 25	39	0.02	835	26 to 50
7	0.80	34,840	1 to 10	26	0.02	723	11 to 25	40	0.01	599	11 to 25
8	0.19	8,395	1 to 10	27	0.20	8,625	51 to	41	0.01	335	11 to 25
9	0.15	6,678	11 to 25	28	0.30	13,220	51 to	42	0.00175	77	26 to 50
10	0.07	3,201	11 to 25	29	0.23	10,138	51 to	43	0.00339	148	26 to 50
11	0.19	8,122	26 to 50	30	0.21	8,998	1 to 10	44	0.06	2,751	26 to 50
12	0.27	11,774	51 to	31	0.07	2,890	1 to 10	45	0.00116	51	26 to 50
13	0.07	3,056	26 to 50	32	0.17	7,592	26 to 50	46	0.01	239	26 to 50
14	0.02	706	1 to 10	33	0.36	15,686	51 to	47	0.02	900	11 to 25
15	0.46	20,006	51 to								
16	0.29	12,441	51 to								
17	0.09	3,776	1 to 10								
18	0.05	2,329	11 to 25								
19	0.24	10,364	51 to								
								Asian Clam		Spiny Waterflea	
								Present (Y/N)		Present (Y/N)	
								No		No	



# Eagle Lake Aquatic Plant Survey 2018

County: Essex Date Surveyed: 07/10/2018  
 Town: Schroon AIS Bed Area (acres): 11.322  
 Lake Area (acres): 424.41 AIS Observed: EWM

- Not Surveyed
- Native Beds
- Invasive Beds
- Phytoplankton Tow
- Sieve Sample

