

## Paradox Lake

**Survey Date:** July 19 and 20, 2021

**Last Surveyed:** July 11, 2018

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### Lake Description

Paradox Lake is 935-acres with 14.3 miles of shoreline. It is located in the town of Schroon, Essex County, and lies in the Lake Champlain watershed. The team launched a motorboat from the Paradox Lake Public Campground launch. The weather was overcast and warm. In speaking with the Paradox Lake Association, it was found that watermilfoil removal was ongoing, and divers were spotted on site during the survey.

### Aquatic Invasive Plant Presence

Scattered beds of *Myriophyllum spicatum* (Eurasian watermilfoil) were located throughout the lake. *Lythrum salicaria* (purple loosestrife) was also located in isolated clumps along the shore.

### Native Plant Biota

Comprehensive surveys were not prioritized in 2021 as invasive species were the primary focus of the surveys. The following native species were found: *Potamogeton pusillus* (slender pondweed), *Potamogeton robbinsii* (Robbin's pondweed), *Bidens beckii* (water marigold), *Typha spp.* (cat tail spp.), *Potamogeton perfoliatus* (clasping-leaf pondweed), *Eriocaulon spp.* (pipewort), *Nymphaea odorata* (white water lily), *Dulichium arundinaceum* (three-way sedge), *Sparganium angustifolium* (narrow-leaf burr reed), *Ceratophyllum demersum* (coontail), *Nitella spp.* (nitella), *Elodea spp.* (elodea), *Nophar advena* (spatterdock), *Brasenia schreberi* (watershield), *Potamogeton corodatus* (pickerel-weed), *Utricularia spp.* (bladderwort), *Potamogeton amplifolius* (large-leaf pondweed), and *Potamogeton natans* (floating-leaf pondweed).

### Aquatic Invasive Animal Presence

Sediment sieves were taken to determine the presence of *Corbicula fluminea* (Asian clams). None were found. Three zooplankton tows were performed, and no invasive zooplankton were detected.

Eurasian Watermilfoil				Eurasian Watermilfoil				Purple Loosestrife			
Bed	Size (Ac.)	Size (Sq. Ft.)	% Cover	Bed	Size (Ac.)	Size (Sq. Ft.)	% Cover	Bed	Size (Ac.)	Size (Sq. Ft.)	% Cover
2	0.01	579.69	26-50	34	0.60	26134.04	11-25	1	0.01	436.73	NR
3	0.03	1500.31	11-25	35	0.01	436.67	NR	15	0.01	436.82	1-10
4	0.01	462.10	1-10	36	0.02	995.36	26-50	19	0.01	436.89	1-10
5	0.03	1114.03	1-10	37	10.72	466909.07	1-10	31	0.01	436.66	NR
6	0.21	9195.54	1-10	38	0.05	2072.79	1-10	32	0.01	436.66	NR
7	0.01	319.69	51-100	39	0.08	3470.05	1-10	33	0.01	436.66	NR
8	0.15	6597.69	11-25	42	0.02	984.15	11-25	40	0.01	436.74	<1
9	0.78	33931.77	1-10	43	0.01	436.77	<1	41	0.01	436.74	<1
10	0.04	1843.58	1-10	44	0.01	436.77	1-10	58	0.04	1746.86	1-10
11	0.01	640.59	26-50	45	0.04	1935.05	1-10				
12	0.21	8954.00	26-50	46	0.03	1158.29	1-10				
13	0.00	33.89	51-100	47	0.07	3224.48	1-10				
14	0.00	76.66	51-100	48	0.01	438.51	NR				
16	0.01	532.92	1-10	49	0.01	436.75	<1				
17	0.01	436.87	<1	50	0.01	306.04	11-25				
18	0.04	1897.20	1-10	51	0.09	3725.15	11-25				
20	0.01	436.88	1-10	52	0.06	2697.81	1-10				
21	0.01	436.77	NR	53	0.01	627.68	11-25				
22	0.03	1133.07	11-25	54	0.02	945.34	26-50				
23	0.07	3246.45	1-10	55	0.02	1064.94	11-25				
24	0.01	436.69	NR	56	0.00	112.09	26-50				
25	0.01	436.68	NR	57	0.01	436.71	<1				
26	0.01	436.68	NR								
27	0.03	1510.46	1-10								
28	0.01	470.42	1-10								
29	0.01	436.67	NR								
30	0.12	5200.78	1-10								
				<b>Asian Clam</b>		<b>Spiny Waterflea</b>					
				Present (Y/N)		Present (Y/N)					
				No		No					

