

Blake Falls Reservoir

Survey Date: July 16, 2019 and July 23, 2019 • **Last Surveyed:** 2016

Lake Description

Blake Falls Reservoir is 640.35-acres and has 18.18-miles of shoreline. It is located in the town of Parishville, St. Lawrence County and lies in the Raquette River watershed. This reservoir is a dammed portion of the Raquette River. The team launched two motorboats at Brookfield Renewable Energy’s public launch off Raquette River Road.

Aquatic Invasive Plant Presence

Myriophyllum heterophyllum (variable leaf milfoil) was detected in Blake Falls Reservoir. Plant beds were located in the many small bays located on both sides of the reservoir. In total, 60 beds were located and mapped.

Native Plant Biota

Comprehensive surveys of all native plants found within the reservoir were not prioritized in 2019 as this data had previously been collected in 2016. Alongside the *Myriophyllum heterophyllum* beds, the following native plants were found: *Potamogeton epihydrus* (ribbon leaf pondweed), *Nymphaea odorata* (white water lily), *Nitella* spp., *Brasenia schreberi* (watershield), *Eleocharis* spp. (hairgrass), *Potamogeton natans* (floating leaf pondweed), *Pontederia* spp. (pickerel weed), *Eriocaulon* spp. (pipewort), *Lobelia dortmanna* (water lobelia), *Potamogeton amplifolius* (large leaf pondweed), *Potamogeton perfoliatus* (clasping leaf pondweed), and *Potamogeton alpinus* (alpine pondweed).

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 zooplankton detected.

Invasive Species Percent Cover (See map on adjacent page)

Variable Leaf Milfoil				Variable Leaf Milfoil				Variable Leaf Milfoil			
Bed	Size (Ac.)	Size (Sq. Ft.)	% Cover	Bed	Size (Ac.)	Size (Sq. ft)	% Cover	Bed	Size (Ac.)	Size (Sq. Ft.)	% Cover
1	.03	1299.74	11-25	22	.40	17613.4	51-100	43	.51	22231.90	11-25
2	.16	6819.73	11-25	23	.61	26719.6	11-25	44	.59	25628.30	1-10
3	.68	29698.70	11-25	24	3.53	154113	51-100	45	1.22	52393.00	11-25
4	.06	2770.94	1-10	25	0.00004	1.86	11-25	46	.12	5364.10	11-25
5	.09	4026.75	1-10	26	.02	764.62	26-50	47	.61	26959.85	11-25
6	.05	2009.60	1-10	27	.008	361.66	1-10	48	2.42	105443.00	26-50
7	.003	122.99	26-50	28	.03	1117.25	11-25	49	.92	40416.20	2650
8	.004	186.65	11-25	29	1.52	66190.4	51-100	50	.54	23321.40	11-25
9	.20	8616.62	26-50	30	1.13	49336.2	51-100	51	.81	3561.10	26-50
10	.005	204.80	11-25	31	.007	317.69	11-25	52	.97	42136.40	11-25
11	.30	12977.40	11-25	32	.0005	22.36	1-10	53	.91	39775.40	11-25
12	.48	2091.70	26-50	33	1.55	67629.9	51-100	54	.73	39775.40	11-25
13	.21	9184.45	26-50	34	.03	1179.57	1-10	55	2.40	32046.20	26-50
14	.53	23126.70	11-25	35	.17	7559.69	51-100	56	.69	104762.00	1-10
15	.01	474.78	26-50	36	.0033	145.30	<1	57	.53	231798.80	1-10
16	.50	2218.50	26-50	37	.28	12304.4	1-10	58	.02	1053.24	1-10
17	.93	40783.70	26-50	38	.05	1965.78	1-10	59	.05	2029.22	<1
18	.53	22945.80	26-50	39	.17	7423.	1-10	60	.10	4494.57	11-25
19	1.23	53770.50	11-25	40	.30	13134.4	11-25	Asian Clam		Spiny Waterflea	
20	.09	4076.91	51-100	41	.003	151.71	<1	Present (Y/N)		Present (Y/N)	
21	.66	28625.00	51-100	42	.90	39351.0	51-100	No		No	

