

Stark Falls Reservoir

Survey Date: July 24, 2019 ▪ **Last Surveyed:** 2016

Lake Description

Stark Falls Reservoir is 644.61-acres and has 8.66-miles of shoreline. It is located in the town of Colton, 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 throughout the reservoir. A total of 43 beds were detected 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: *Brasenia schreberi* (watershield), *Nymphaea odorata* (white water lily), *Nuphar variegata* (yellow pond lily), *Potamogeton epihydrus* (ribbon leaf pondweed), *Potamogeton amplifolius* (large leaf pondweed), *Utricularia purpurea* (large purple bladderwort), *Potamogeton natans* (floating leaf pondweed), *Utricularia vulgaris* (common bladderwort), *Najas* spp. (naiad), *Nitella* spp., *Eleocharis* spp. (hairgrass), *Vallisneria americana* (eelgrass) *Sparganium* spp. (bur-reed), *Lobelia dortmanna* (water lobelia), and *Eriocaulon* spp. (pipewort).

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)

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	.02	745.32	<1	20	1.16	50451.5	11-25	34	.69	30183.60	26-50
2	.12	5193.48	1-10	21	1.55	67615.4	26-50	35	.03	1311.50	1-10
3	.003	110.27	<1	22	.12	5253.89	<1	36	.009	406.59	11-25
4	.04	1604.69	1-10	23	.12	4658.59	11-25	37	.77	33630.80	<1
5	.03	1299.57	<1	24	.06	2439.92	1-10	38	.10	4321.25	26-50
6	.02	1024.60	<1	25	4.51	196361	26-50	39	.06	2726.04	11-25
7	.74	32188.30	11-25	26	.65	28242.7	11-25	40	.31	13556.60	26-50
8	.13	5551.08	11-25	27	.77	33448.6	26-50	41	1.99	86585.80	26-50
9	.02	1047.12	1-10	28	1.4	60021.3	26-50	42	.10	4705.13	26-50
10	.02	951.00	1-10	29	.22	9372.62	<1	43	.15	6719.53	11-25
11	.01	504.85	<1	30	.27	11738.9	26-50				
12	.04	1781.91	1-10	31	.36	15562.7	51-100				
13	.56	24212.70	26-50	32	.09	4008.34	11-25				
14	.24	10386.20	26-50	33	.05	2359.27	11-25				
15	.18	7744.35	1-10								
16	.09	3882.88	1-10								
17	.06	2752.14	1-10								
18	.04	1579.56	1-10								
19	.06	2589.45	1-10								

Asian Clam	Spiny Waterflea
Present (Y/N)	Present (Y/N)
No	No

