

Rainbow Falls Reservoir

Survey Date: August 29, 2019

Last Surveyed: 2016

Lake Description

Rainbow Falls Reservoir is 678.02-acres and has 11.19-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 throughout the reservoir. A total of 11 beds were found.

Native Plant Biota

Comprehensive surveys of all the native plants found within the reservoir were not prioritized in 2019 as this data had previously been collected in 2016. A combination of native floating and submerged plants was detected. These species include: *Potamogeton epihydrus* (ribbon leaf pondweed), *Lobelia dortmanna* (water lobelia), *Sparganium* spp. (bur-reed), *Brasenia schreberi* (watershield), *Eleocharis* spp. (hairgrass), *Utricularia purpurea* (large purple bladderwort), *Eriocaulon* spp. (pipewort), *Potamogeton amplifolius* (large leaf pondweed), *Nitella* spp., *Potamogeton perfoliatus* (clasping leaf pondweed), *Vallisneria americana* (eelgrass), *Nuphar variegata* (yellow pond lily), *Utricularia vulgaris* (common bladderwort), *Chara* spp. (muskgrass), and *Pontederia* spp. (pickerel weed).

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)

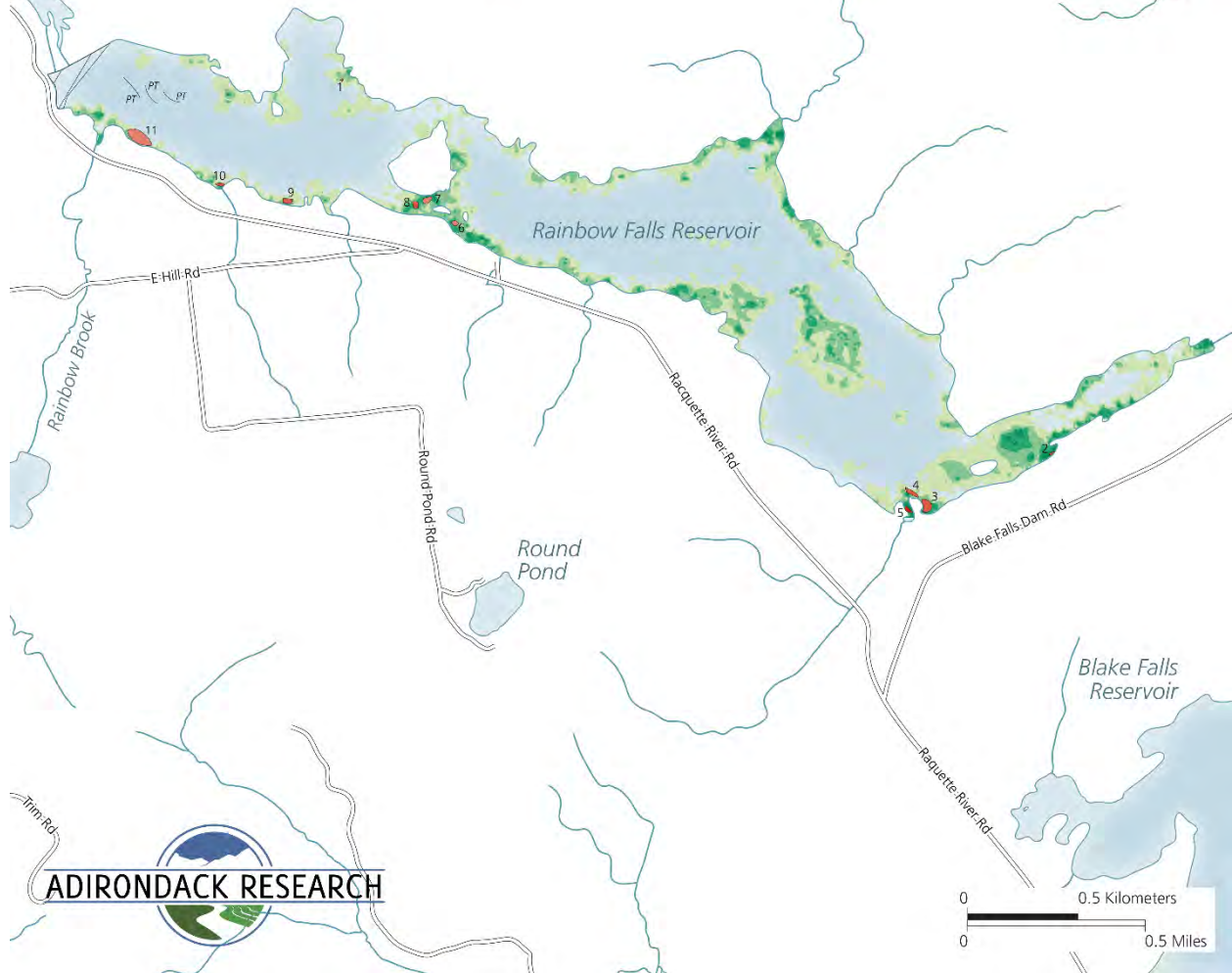
Variable Leaf Milfoil				Variable Leaf Milfoil			
Bed	Size (Ac.)	Size (Sq. Ft.)	% Cover	Bed	Size (Ac.)	Size (Sq. Ft.)	% Cover
1	.04	1717.93	26-50	9	.43	18714.20	26-50
2	.16	7024.27	26-50	10	.20	8681.40	26-50
3	.92	39958.80	26-50	11	2.29	99533.20	11-25
4	.46	19943.70	26-50				
5	.23	10002.40	51-100				
6	.22	9504.34	11-25				
7	.41	17945.10	11-25				
8	.32	13824.20	26-50				
				Asian Clam		Spiny Waterflea	
				Present (Y/N)		Present (Y/N)	
				No		No	

Rainbow Falls Reservoir Aquatic Plant Survey 2019

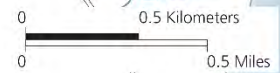
County: St Lawrence Date Surveyed: 08/29/2019
 Town: Parishville AIS Bed Area (acres): 5.58
 Lake Area (acres): 678.02 AIS Observed: VLM

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

Native Vegetation Biovolume (%)	Invasive Plant Density (%)
 < 1	 < 1
 1 - 10	 1 - 10
 11 - 25	 11 - 25
 26 - 50	 26 - 50
 51 - 100	 51 - 100


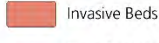
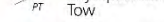


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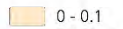
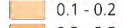
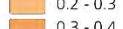
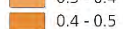

Rainbow Falls Reservoir Aquatic Plant Survey 2019

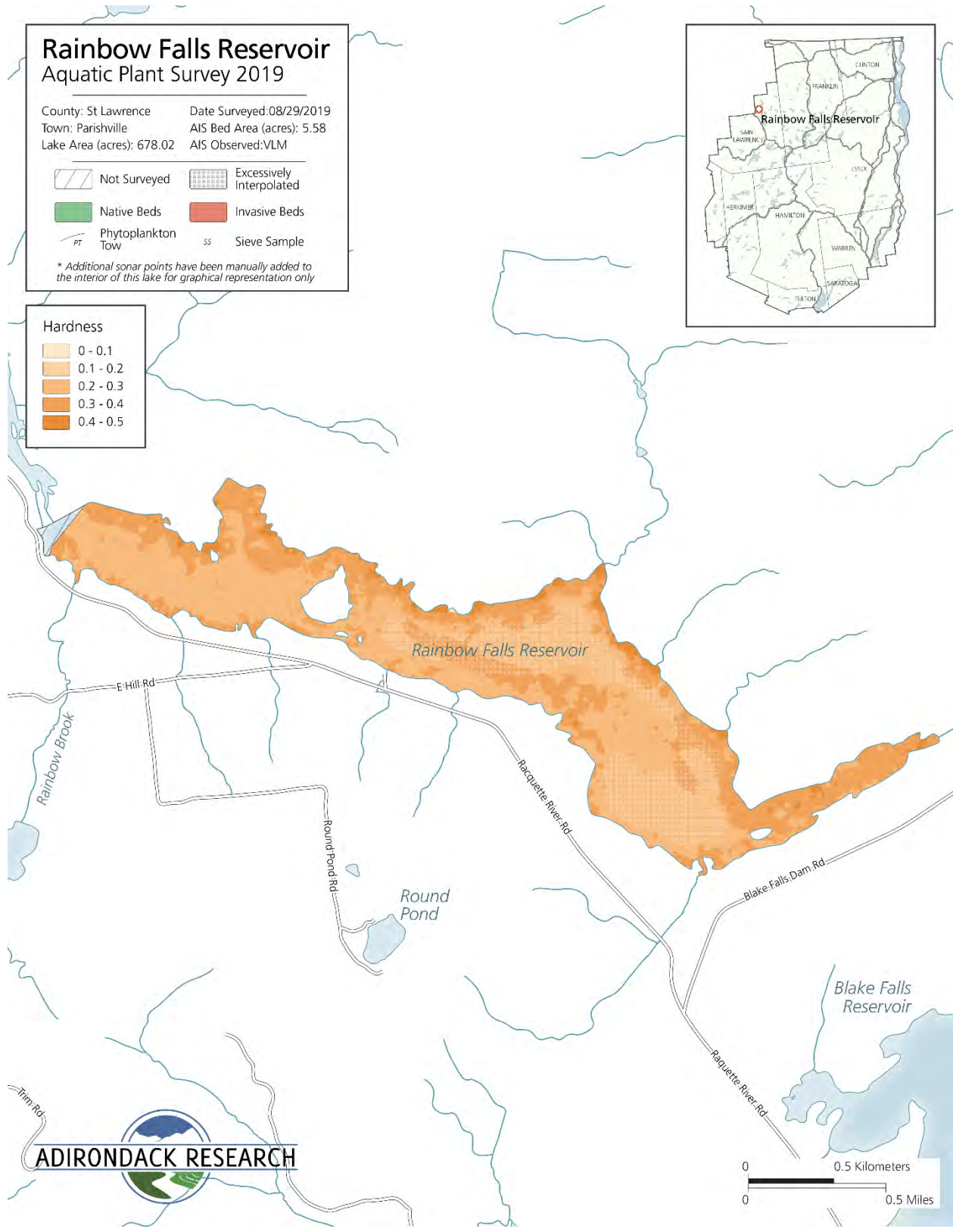
County: St Lawrence Date Surveyed: 08/29/2019
Town: Parishville AIS Bed Area (acres): 5.58
Lake Area (acres): 678.02 AIS Observed: VLM

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

* Additional sonar points have been manually added to the interior of this lake for graphical representation only

Hardness

-  0 - 0.1
-  0.1 - 0.2
-  0.2 - 0.3
-  0.3 - 0.4
-  0.4 - 0.5



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