

Rainbow Lake, Inlet and Narrows

Survey Date: June 17-18, 2020

Last Surveyed: 2017

Survey Team: P. Bly, M.Privee, C. Vara., and T. Firkins

Lake Description

Rainbow Lake is a 369-acre lake with 11.75 miles of shoreline. The Rainbow Lake Inlet is 141-acres with 7.7-miles of shoreline. The Narrows of Rainbow Lake is 111-acres with 5.94 miles of shoreline. These water bodies are in the St. Lawrence River Watershed and located in the town of Brighton, Franklin County. The team launched two motor boats off a private soft launch on the southeastern side of the lake. A water height measure of 15.25-inches was taken at the soft launch at Buck Pond Campground, which puts in at the Rainbow Lake Narrows.

Aquatic Invasive Plant Presence

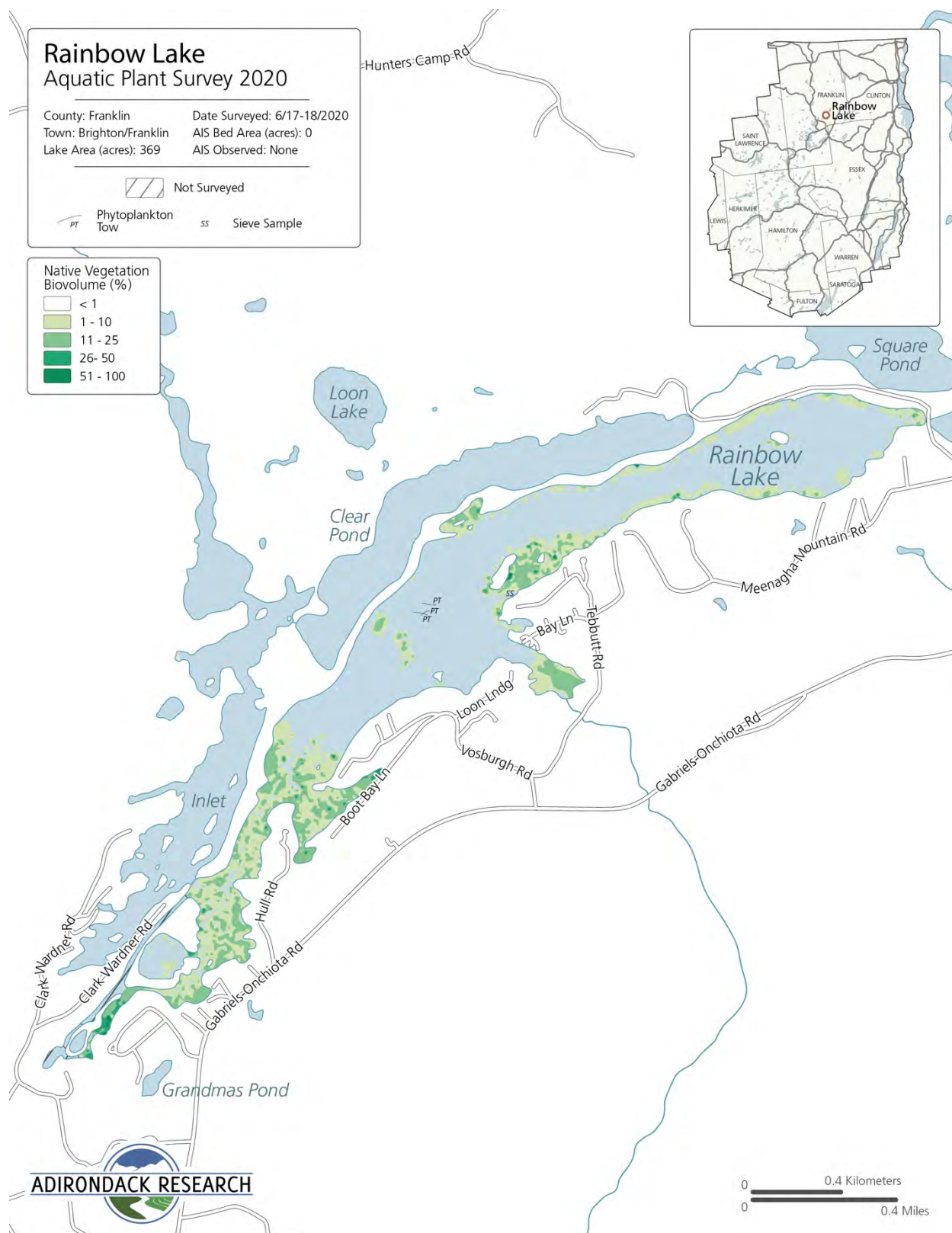
No invasive plants were detected.

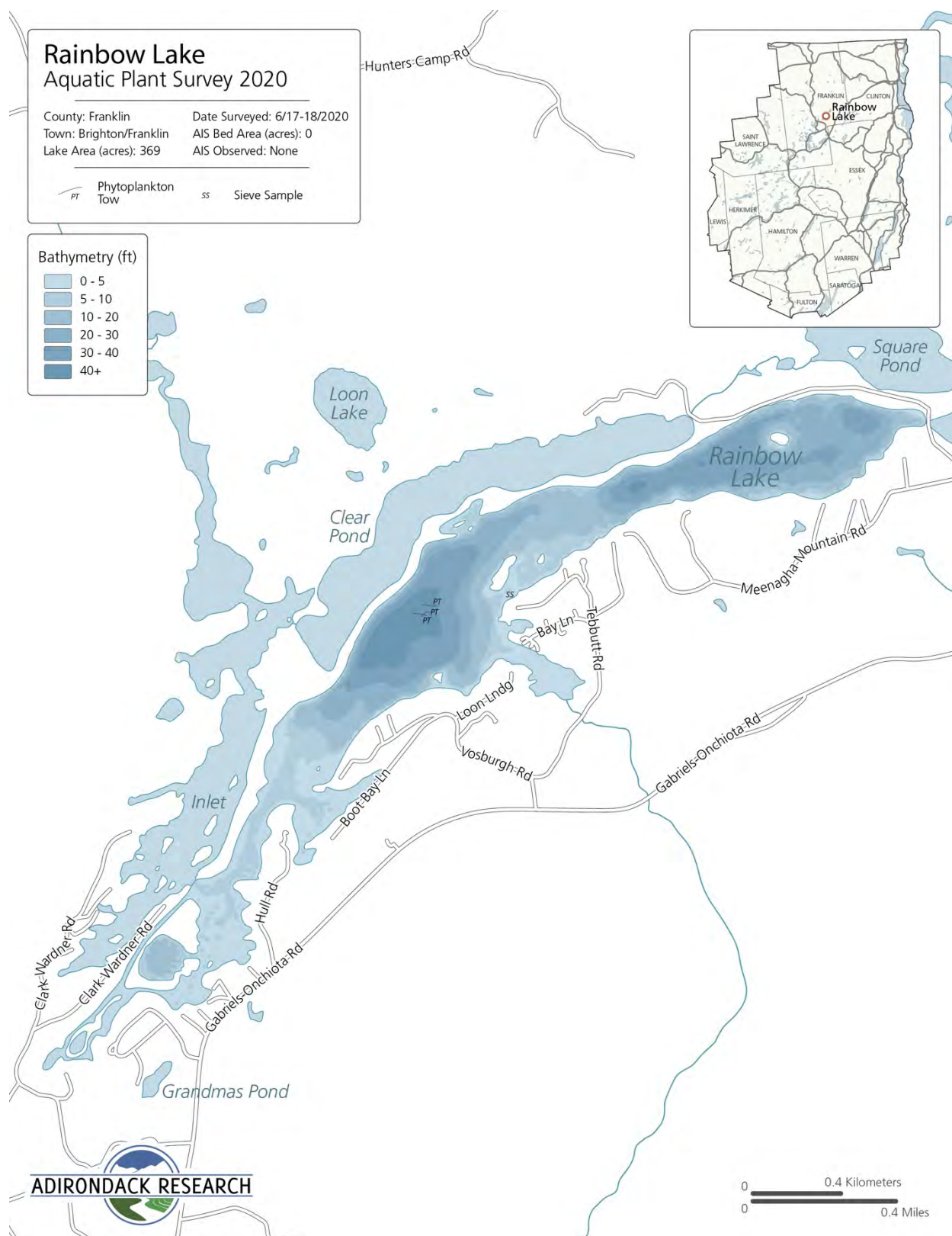
Native Plant Biota

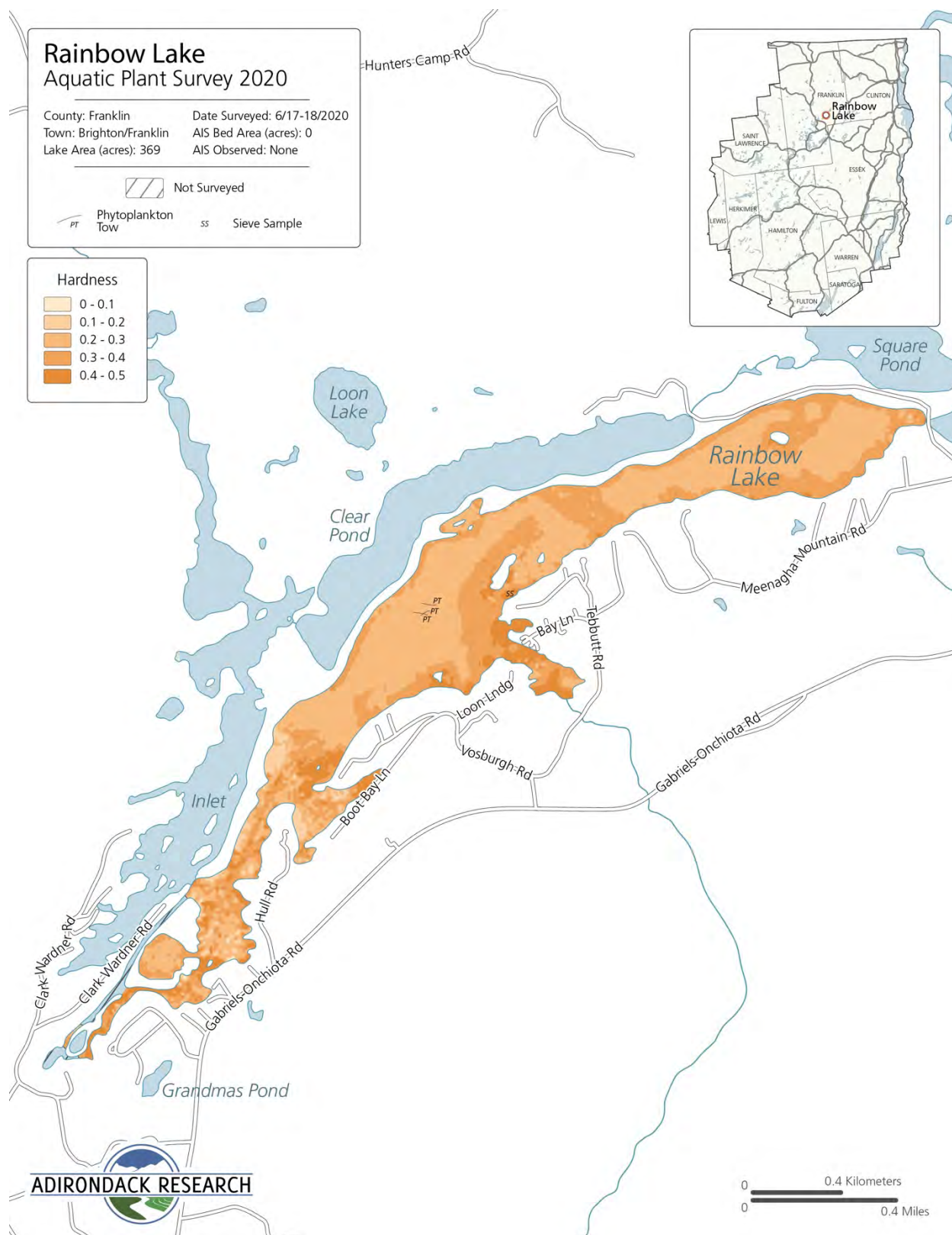
Comprehensive surveys of all native plants found within the lake were recorded. Native plants detected included: *Potamogeton amplifolius* (large-leaf pondweed), *Brasenia schreberi* (watershield), *Nymphaea odorata* (white water lily), *Nuphar lutea* (spatterdock), *Elodea canadensis* (common waterweed), *Najas spp.* (naiad), *Elodea spp.* (elodea), *Potamogeton robbinsii* (Robbins' pondweed), *Utricularia* (bladderwort), *Myriophyllum sibiricum* (northern watermilfoil). The team was unable to positively identify one species *Myriophyllum spp.* (milfoil), the team believes it to be the same unidentifiable sample that was found last year in Rainbow Lake. Last year's sample was given to Larry Eichler at Darrin Freshwater Institute and Bob Bombard at Warren County Soil and Water and were not able identify the plant to species, but they were positive that it was not *Myriophyllum spicatum* (Eurasian watermilfoil) or *Myriophyllum heterophyllum* (variable-leaf milfoil).

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.












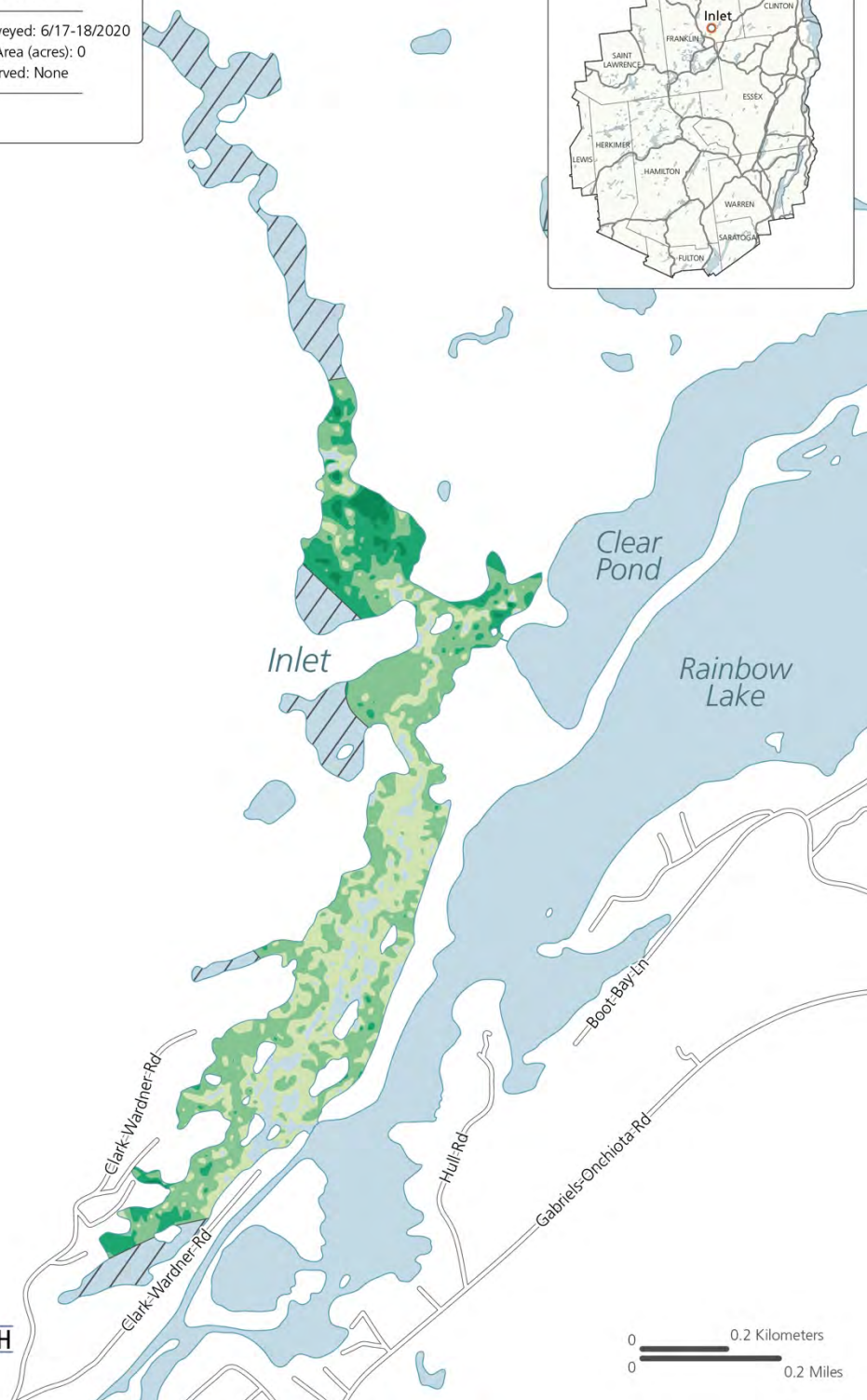
Rainbow Lake Inlet Aquatic Plant Survey 2020

County: Franklin Date Surveyed: 6/17-18/2020
 Town: Brighton AIS Bed Area (acres): 0
 Lake Area (acres): 141 AIS Observed: None

 Not Surveyed

Native Vegetation Biovolume (%)

 < 1
 1 - 10
 11 - 25
 26 - 50
 51 - 100



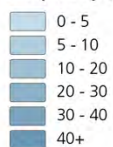
0 0.2 Kilometers
 0 0.2 Miles

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Bathymetry (ft)



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Hardness

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