Fourth Lake

Survey Date: June 28, 2021
Last Surveyed: 2015
Survey Team: L. Johnson, J. Young

Lake Description

Fourth Lake is a 51-acre lake with 1.5-miles of shoreline. It is in the town of Lake Luzerne in Warren County within the Upper Hudson River watershed. The team was able to launch a canoe from a public boat launch at Lake Luzerne public campground on the north shore of the waterbody.

Aquatic Invasive Plant Presence

Scattered beds of *Potamogeton crispus* (curly-leaf pondweed) were located throughout the lake. Some beds were recorded as milfoils, but their identity was not verified with voucher specimens. We will double check these locations in 2022.

Native Plant Biota

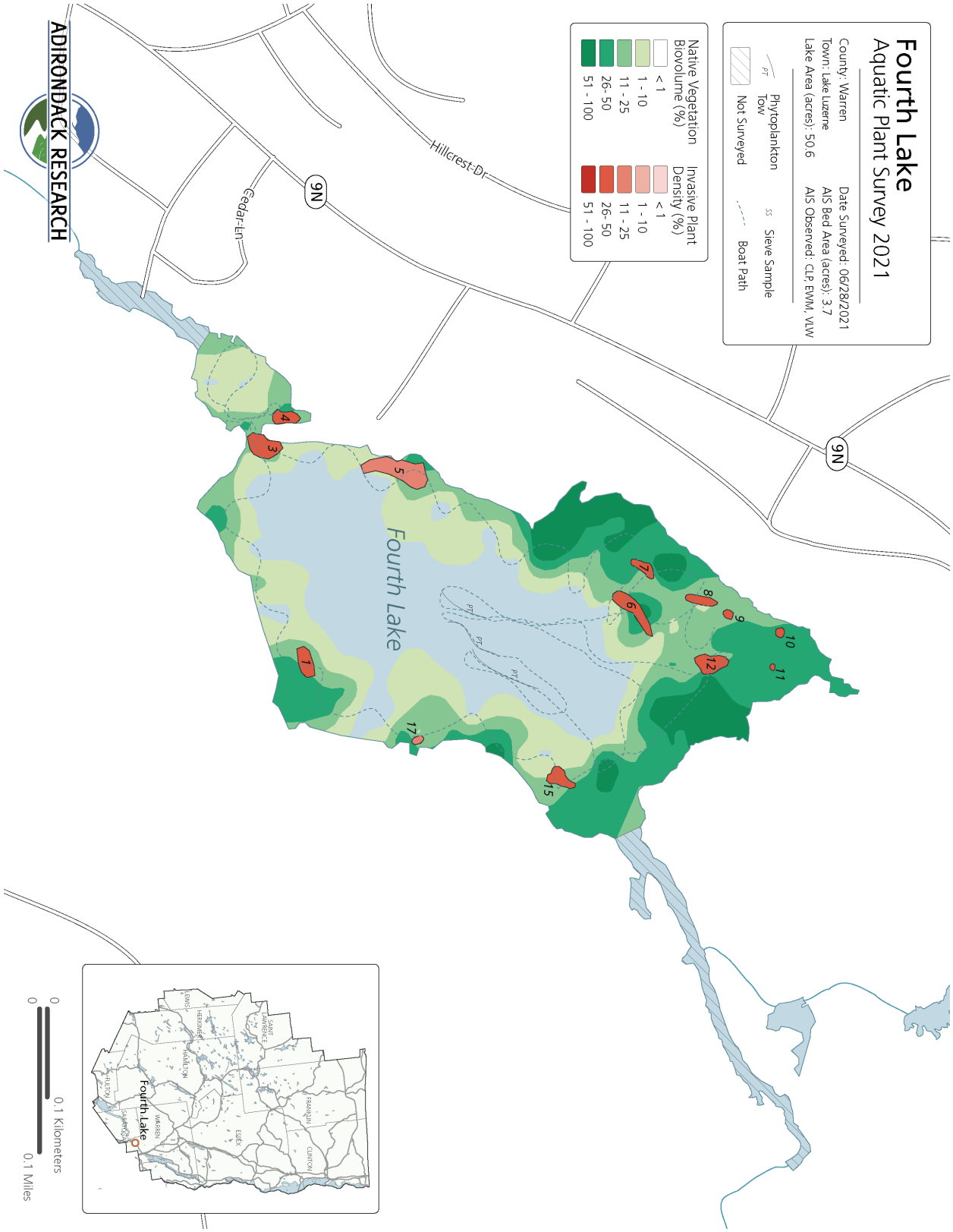
Comprehensive surveys were not prioritized in 2021 as invasive species were the primary focus of the surveys. The following native species were found: *Nymphaea odorata* (white-water lily), *Potamogeton natans* (floating-leaf pondweed), *Iris versicolor* (blue flag iris), *Utricularia macrorhiza* (common bladderwort), *Nuphar variegate* (spatterdock), *Brasenia schreberi* (water shield), *Potamogeton amplifolius* (large leaf pondweed), *Sagittaria latifolia* (broadleaf arrowhead), *Sparganium angustifolium* (narrow-leaf burr reed), *Potamogeton robbinsii* (Robbin's pondweed), *Pontedaria cordata* (pickerelweed), and *Elodea nuttallii* (slender waterweed).

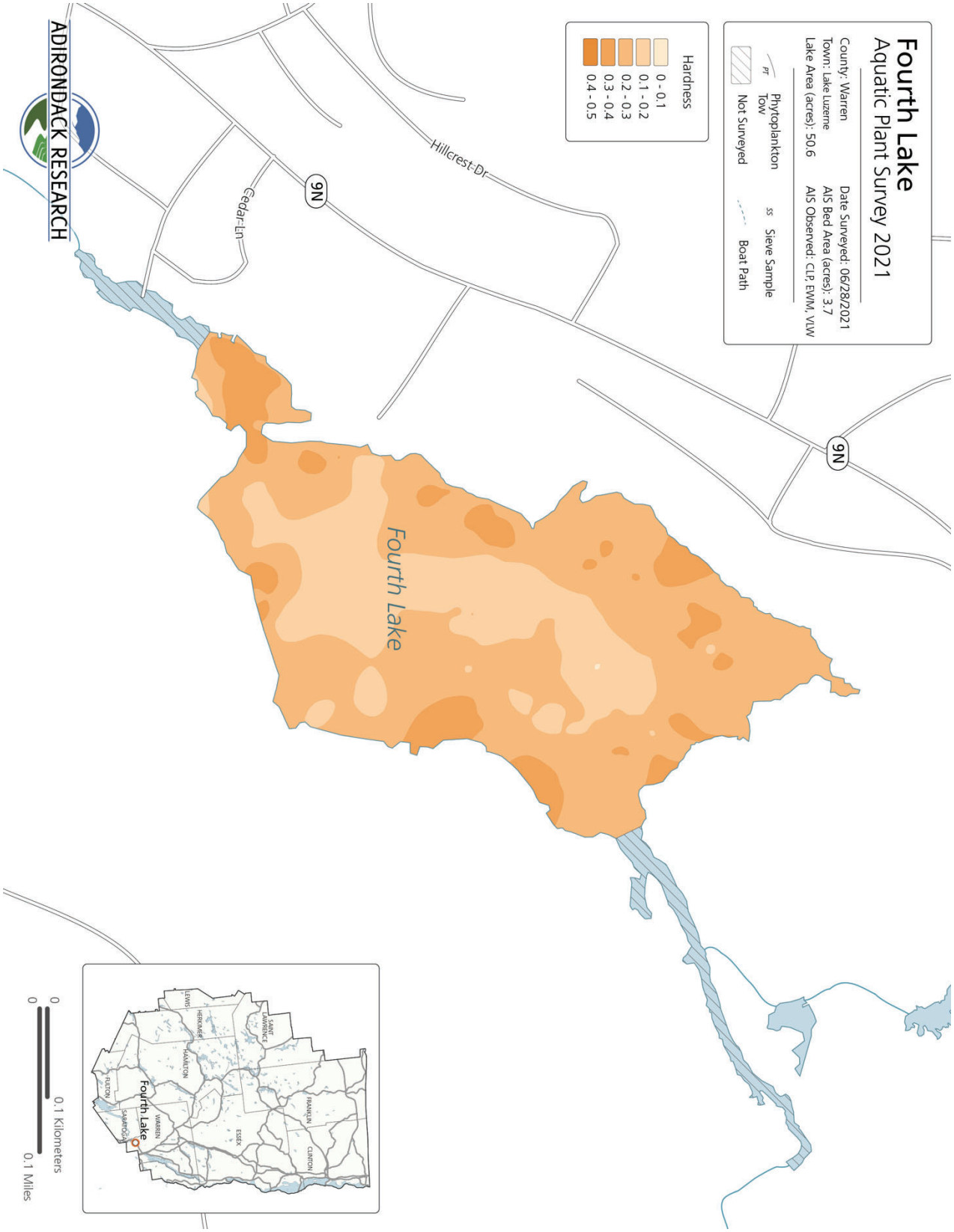
Aquatic Invasive Animal Presence

Sediment sieves were taken to determine the presence of *Corbicula fluminea* (Asian clams). None were found. However, it was determined that *Viviparus georgianus (banded mystery snail)* was present within the waterbody. Three plankton tows were also conducted with no invasive zooplankton detected.

Curly-leaf Pondweed							
Bed	Size (Ac.)	Size (Sq. Ft.)	% Cover	Bed	Size (Ac.)	Size (Sq. Ft.)	% Cover
1	0.12	5337.29	26-50	11	0.01	382.46	26-50
3	0.19	8298.34	26-50	12	0.15	6597.90	26-50
4	0.11	4730.68	26-50	15	0.11	4822.71	26-50
5	0.38	16575.92	11-25	17	0.02	1044.40	11-25
6	0.19	8160.73	26-50				
7	0.07	3128.04	26-50				
8	0.08	3350.67	26-50				
9	0.02	1027.94	26-50				
10	0.02	976.91	26-50				
11	0.01	382.46	26-50				
12	0.15	6597.90	26-50				
15	0.11	4822.71	26-50				
17	0.02	1044.40	11-25				

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


Fourth Lake
Aquatic Plant Survey 2021
County: Warren
Town: Lake Luzerne
Lake Area (acres): 50.6
Date Surveyed: 06/28/2021
AIS Bed Area (acres): 3.7
AIS Observed: CLP, EWM, VLW
Phytoplankton Tow
Sieve Sample
Not Surveyed
Boat Path
Native Vegetation Biovolume (%)
< 1
1 - 10
11 - 25
26- 50
51 - 100
Invasive Plant Density (%)
< 1
1 - 10
11 - 25
26- 50
51 - 100
Hillcrest Dr
Cedar Ln
9N
Fourth Lake
1
3
4
5
6
7
8
9
10
11
12
15
17
ADIRONDACK RESEARCH
0
0.1 Kilometers
0
0.1 Miles
Fourth Lake
SAINT LAWRENCE
FRANKLIN
CLINTON
ESSEX
HERKIMER
HAMILTON
WARREN
FULTON
SARATOGA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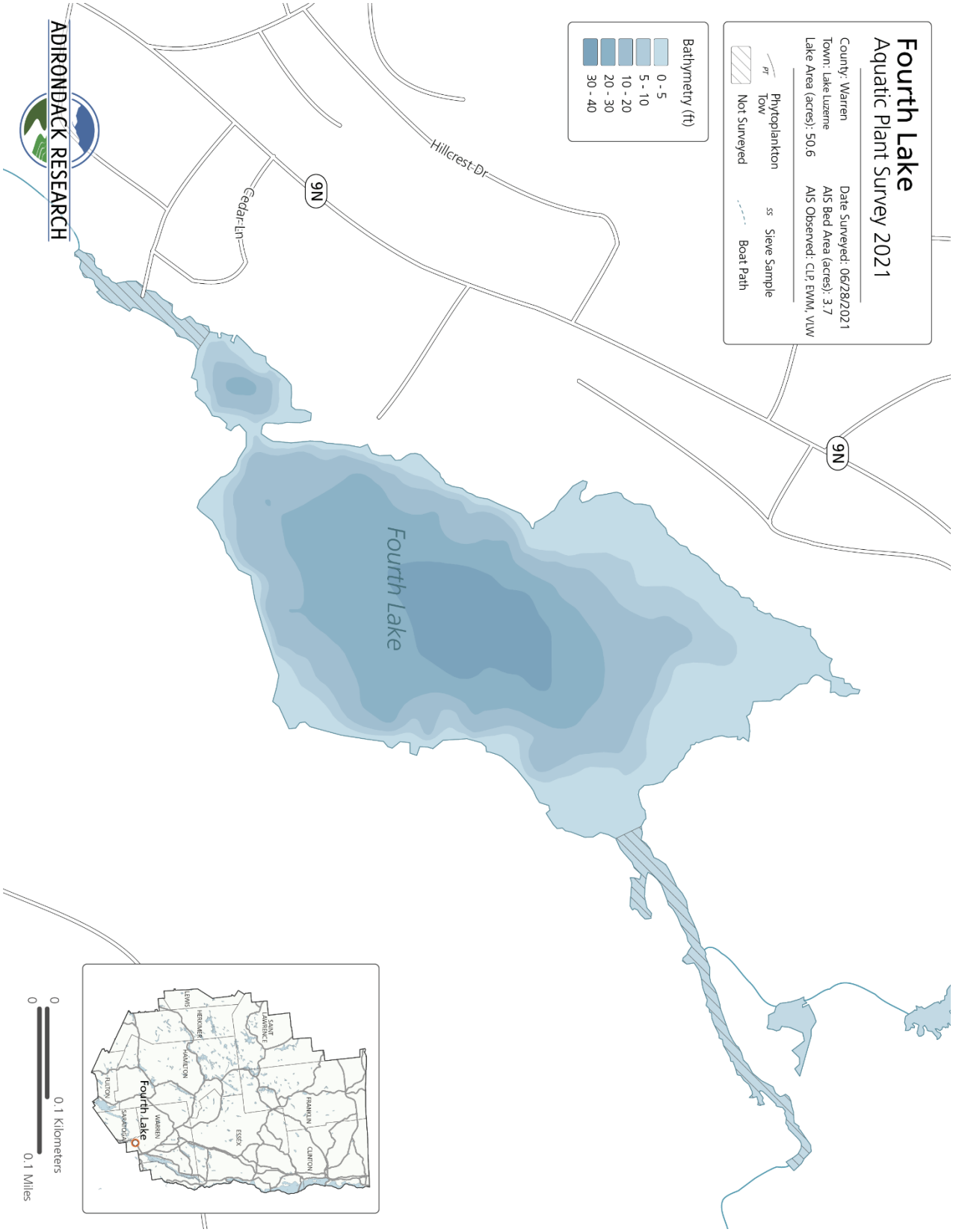
Aquatic Plant Survey 2021
County: Warren
Town: Lake Luzerne
Lake Area (acres): 50.6
Date Surveyed: 06/28/2021
AIS Bed Area (acres): 3.7
AIS Observed: CLP, EWM, VLW
Phytoplankton Tow
Not Surveyed
Sieve Sample
Boat Path
Hardness
0 - 0.1
0.1 - 0.2
0.2 - 0.3
0.3 - 0.4
0.4 - 0.5
Hillcrest Dr
Cedar Ln
9N
Fourth Lake
ADIRONDACK RESEARCH
SAINT LAWRENCE
FRANKLIN
CLINTON
ESSEX
LEWIS
HERKIMER
HAMILTON
WARREN
FULTON
SARATOGA
Fourth Lake
0
0.1 Kilometers
0
0.1 Miles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Aquatic Plant Survey 2021
County: Warren
Town: Lake Luzerne
Lake Area (acres): 50.6
Date Surveyed: 06/28/2021
AIS Bed Area (acres): 3.7
AIS Observed: CLP, EWM, VLW
PT Phytoplankton Tow
Not Surveyed
SS Sieve Sample
Boat Path
Bathymetry (ft)
0 - 5
5 - 10
10 - 20
20 - 30
30 - 40
Hillcrest Dr
Cedar Ln
9N
Fourth Lake
SAINT LAWRENCE
FRANKLIN
CLINTON
ESSEX
HAMILTON
HERKIMER
LEWIS
WARREN
SARATOGA
FULTON
Fourth Lake
0
0.1 Kilometers
0
0.1 Miles
ADIRONDACK RESEARCH