

Meacham Lake

Survey Date: July 31, 2019

Last Surveyed: 2017

Lake Description

Meacham Lake is 1170.10- acres and has 5.90-miles of shoreline. It is located in the town of Duane, Franklin County and lies in the St. Regis River watershed. The team launched two motorboats at the DEC Meacham Lake public campground boat launch.

Aquatic Invasive Plant Presence

Myriophyllum spicatum (Eurasian watermilfoil) has been detected in Meacham Lake. A total of 23 beds were detected and mapped in 2019.

Native Plant Biota

Comprehensive surveys of all native plants found within the lake were not prioritized in 2019 as this data had previously been collected in 2017. Alongside the *Myriophyllum spicatum* beds, the following native plants were found: *Potamogeton epihydrus* (ribbon leaf pondweed), *Nymphaea odorata* (white water lily), *Brasenia schreberi* (watershield), *Potamogeton natans* (floating leaf pondweed), *Potamogeton amplifolius* (large leaf pondweed), *Potamogeton perfoliatus* (clasping leaf pondweed), *Elodea canadensis* (common waterweed), *Nuphar variegata* (yellow pond lily), *Vallisneria americana* (eelgrass), and *Potamogeton robbinsii* (fern 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)











| Eurasian Watermilfoil | | | | Eurasian Watermilfoil | | | |
|-----------------------|------------|----------------|---------|-----------------------|------------|------------------------|---------|
| Bed | Size (Ac.) | Size (Sq. Ft.) | % Cover | Bed | Size (Ac.) | Size (Sq. Ft.) | % Cover |
| 1 | 0.000042 | 1.83 | 51-100 | 15 | .01 | 613.07 | 11-25 |
| 2 | .03 | 1406.38 | 26-50 | 16 | .01 | 544.12 | 11-25 |
| 3 | 3.02 | 131582.00 | 11-25 | 17 | .002 | 89.48 | 26-50 |
| 4 | 1.13 | 49367.40 | 11-25 | 18 | .05 | 2104.51 | 1-10 |
| 5 | 2.70 | 117587.00 | 11-25 | 19 | .005 | 201.26 | 11-25 |
| 6 | .31 | 13652.30 | 11-25 | 20 | .03 | 1260.97 | 11-25 |
| 7 | .04 | 1544.90 | 11-25 | 21 | .02 | 850.31 | 51-100 |
| 8 | 1.11 | 48564.80 | 11-25 | 22 | .65 | 28278.40 | 26-50 |
| 9 | .002 | 68.3 | 1-10 | 23 | .02 | 715.47 | 25-50 |
| 10 | .002 | 78.19 | 1-10 | | | | |
| 11 | .10 | 4533.65 | 11-25 | | | | |
| 12 | .005 | 228.24 | 11-25 | | | | |
| 13 | .06 | 2442.57 | 1-10 | | | | |
| 14 | .53 | 23221.30 | 26-50 | | | | |
| | | | | Asian Clam | | Spiny Waterflea | |
| | | | | Present (Y/N) | | Present (Y/N) | |
| | | | | No | | No | |

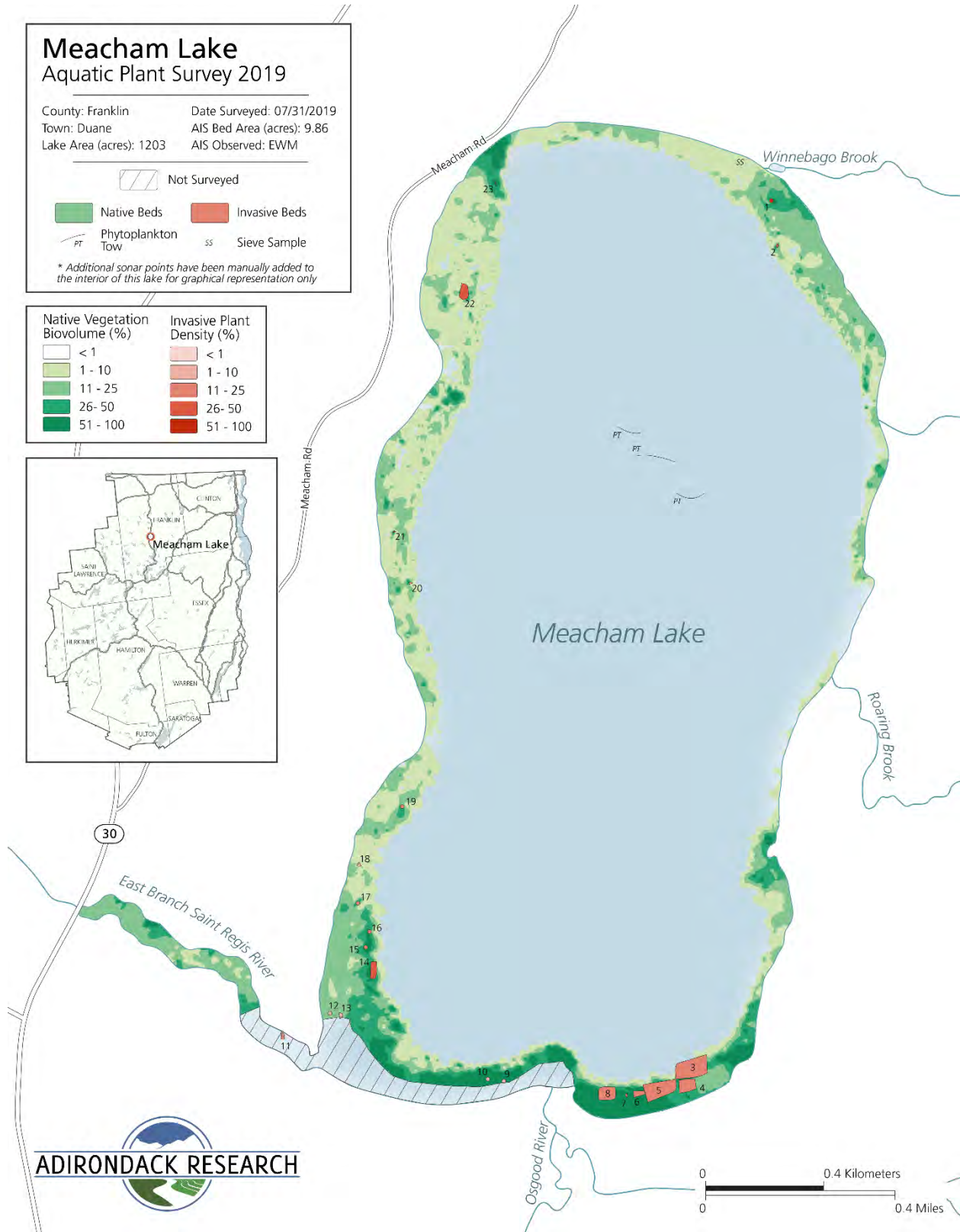
Meacham Lake Aquatic Plant Survey 2019

County: Franklin Date Surveyed: 07/31/2019
 Town: Duane AIS Bed Area (acres): 9.86
 Lake Area (acres): 1203 AIS Observed: EWM

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



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

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



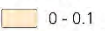
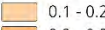
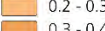
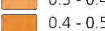

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Hardness

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

