

## Lower Saranac Lake

**Survey Date:** June 2, 2020

**Last Surveyed:** 2017

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### Lake Description

Lower Saranac Lake is a 2149.5-acre lake with 28.57-miles of shoreline. It is located in the town of Saranac Lake, Franklin County and lies in the St Lawrence River Watershed. The team launched two motor boats at a hard surface ramp on Second Pond off Rt 3. We measured the stone pillar at the west side of the boat launch, and it was 18.5-inches above the waterline.

### Aquatic Invasive Plant Presence

Dense beds of *Myriophyllum heterophyllum* (variable-leaf milfoil) were detected in Ampersand Bay, the northernmost bay of the lake. Scattered beds of *Myriophyllum spicatum* (Eurasian watermilfoil) were also detected in the same bay. In total, 12 beds of *Myriophyllum heterophyllum* and two beds of *Myriophyllum spicatum* were mapped. Additionally, a single strand of *Potamogeton crispus* (curly-leaf pondweed) was recorded.

### Native Plant Biota

Comprehensive surveys of all native plants found within the lake were recorded. Native plants detected included: *Potamogeton perfoliatus* (clasping-leaf pondweed), *Nymphaea odorata* (white water lily), *Brasenia schreberi* (watershield), *Nuphar lutea* (spatterdock), *Potamogeton praelongus* (white-stem pondweed), *Potamogeton amplifolius* (large-leaf pondweed), *Potamogeton robbinsii* (Robbins' pondweed), *Elodea canadensis* (common waterweed), *Utricularia* (bladderwort), *Sparganium angustifolium* (narrow-leaf bur-reed).

### 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.

## Lower Saranac

Invasive Species Percent Cover (See map on adjacent page)

| Eurasian watermilfoil |            |                |         | Eurasian watermilfoil |            |               |        | Variable-leaf watermilfoil |            |                 |         |
|-----------------------|------------|----------------|---------|-----------------------|------------|---------------|--------|----------------------------|------------|-----------------|---------|
| Bed                   | Size (Ac.) | Size (Sq. Ft.) | % Cover | Bed                   | Size (Ac.) | Size (Sq. ft) | %      | Bed                        | Size (Ac.) | Size (Sq. Ft.)  | % Cover |
| 2                     | 0.66       | 28776.09       | NR      | 44                    | 0.03       | 1135.33       | 1-10   | 1                          | 2.12       | 92291.77        | 51-100  |
| 3                     | 0.22       | 9790.11        | 11-25   | 45                    | 0.15       | 6559.04       | 11-25  | 8                          | 0.59       | 25848.04        | 11-25   |
| 4                     | 0.33       | 14397.24       | 1-10    | 46                    | 0.39       | 16836.34      | 26-50  | 12                         | 0.11       | 4700.18         | 1-10    |
| 5                     | 0.14       | 6276.76        | 1-10    | 47                    | 0.66       | 28854.39      | 1-10   | 75                         | 0.61       | 26606.34        | 11-25   |
| 6                     | 0.12       | 5128.78        | 11-25   | 48                    | 0.11       | 4887.32       | 1-10   | 77                         | 0.06       | 2410.16         | 26-50   |
| 7                     | 0.55       | 23941.74       | 11-25   | 49                    | 0.05       | 2199.36       | 26-50  | 80                         | 2.09       | 91071.09        | 51-100  |
| 9                     | 1.30       | 56633.18       | 26-50   | 50                    | 0.92       | 40289.74      | 11-25  | 81                         | 0.04       | 1851.17         | 26-50   |
| 10                    | 1.40       | 61012.09       | 26-50   | 51                    | 1.07       | 46497.13      | 11-25  | 82                         | 0.94       | 40970.39        | 26-50   |
| 11                    | 1.06       | 46230.54       | 51-100  | 52                    | 1.07       | 46535.53      | 1-10   | 83                         | 0.12       | 5055.34         | 51-100  |
| 13                    | 0.19       | 8431.81        | 1-10    | 53                    | 0.95       | 41389.13      | 26-50  | 84                         | 0.80       | 34965.61        | 26-50   |
| 14                    | 0.38       | 16341.15       | 1-10    | 54                    | 0.42       | 18198.42      | 1-10   | 87                         | 0.46       | 20187.46        | 1-10    |
| 15                    | 1.21       | 52553.54       | 11-25   | 55                    | 2.57       | 111958.5      | 51-100 | 88                         | 0.42       | 18313.42        | 1-10    |
| 16                    | 0.51       | 22245.02       | 1-10    | 56                    | 0.06       | 2726.02       | 1-10   |                            |            |                 |         |
| 17                    | 0.35       | 15332.41       | 1-10    | 57                    | 0.22       | 9501.52       | 11-25  |                            |            |                 |         |
| 18                    | 0.26       | 11405.59       | 1-10    | 58                    | 0.69       | 29932.73      | 26-50  |                            |            |                 |         |
| 19                    | 0.11       | 4932.44        | NR      | 59                    | 0.30       | 12940.98      | 11-25  |                            |            |                 |         |
| 20                    | 0.13       | 5807.97        | 1-10    | 60                    | 1.29       | 56298.23      | 1-10   |                            |            |                 |         |
| 21                    | 0.15       | 6486.68        | 11-25   | 61                    | 0.31       | 13546.65      | 11-25  |                            |            |                 |         |
| 22                    | 0.03       | 1376.88        | 1-10    | 62                    | 0.72       | 31163.32      | 51-100 |                            |            |                 |         |
| 23                    | 0.03       | 1417.91        | 1-10    | 63                    | 0.77       | 33448.93      | 11-25  |                            |            |                 |         |
| 24                    | 0.00       | 15.14          | 1-10    | 64                    | 0.07       | 3101.36       | 11-25  |                            |            |                 |         |
| 25                    | 0.03       | 1177.38        | 1-10    | 65                    | 0.39       | 17069.12      | 51-100 |                            |            |                 |         |
| 26                    | 0.65       | 28389.98       | 11-25   | 66                    | 0.25       | 10863.85      | 1-10   |                            |            |                 |         |
| 27                    | 0.00       | 26.79          | 1-10    | 67                    | 0.44       | 19332.40      | 11-25  |                            |            |                 |         |
| 28                    | 0.31       | 13360.14       | 11-25   | 68                    | 0.12       | 5313.41       | 11-25  |                            |            |                 |         |
| 29                    | 0.16       | 7181.04        | 11-25   | 69                    | 0.50       | 21597.26      | NR     |                            |            |                 |         |
| 30                    | 0.25       | 10868.10       | 11-25   | 70                    | 0.53       | 22930.53      | 11-25  |                            |            |                 |         |
| 31                    | 0.30       | 12873.90       | 26-50   | 71                    | 0.08       | 3457.72       | 11-25  |                            |            |                 |         |
| 32                    | 0.12       | 5349.25        | 1-10    | 72                    | 0.72       | 31566.67      | 26-50  |                            |            |                 |         |
| 33                    | 0.18       | 7900.10        | 1-10    | 73                    | 0.31       | 13714.53      | 51-100 |                            |            |                 |         |
| 34                    | 0.67       | 29083.88       | 11-25   | 74                    | 0.84       | 36653.00      | 51-100 |                            |            |                 |         |
| 35                    | 0.39       | 17155.05       | 11-25   | 76                    | 0.19       | 8464.41       | 51-100 |                            |            |                 |         |
| 36                    | 0.15       | 6498.55        | 1-10    | 78                    | 0.23       | 10034.37      | NR     |                            |            |                 |         |
| 37                    | 0.29       | 12581.99       | 11-25   | 79                    | 0.14       | 6220.46       | 51-100 |                            |            |                 |         |
| 38                    | 0.03       | 1236.46        | 26-50   | 85                    | 0.84       | 36565.55      | 26-50  |                            |            |                 |         |
| 39                    | 0.01       | 650.11         | 1-10    | 86                    | 2.68       | 116795.8      | 51-100 |                            |            |                 |         |
| 40                    | 0.38       | 16456.11       | 1-10    | 89                    | 0.41       | 17688.31      | 1-10   |                            |            |                 |         |
| 41                    | 0.32       | 14005.05       | NR      |                       |            |               |        |                            |            |                 |         |
| 42                    | 0.00       | 19.40          | <1      |                       |            |               |        |                            |            |                 |         |
| 43                    | 0.05       | 2127.95        | 1-10    |                       |            |               |        |                            |            |                 |         |
|                       |            |                |         |                       |            |               |        | Asian Clam                 |            | Spiny Waterflea |         |
|                       |            |                |         |                       |            |               |        | Present (Y/N)              |            | Present (Y/N)   |         |
|                       |            |                |         |                       |            |               |        | No                         |            | No              |         |

% cover = NR = not recorded



