

Lake Narrative

Balfour Lake

Survey Date: August 23, 2018

Lake Description

Balfour Lake is 90.20 acres. It is located in the town of Minerva, Essex County and lies in the Upper Hudson Watershed. The team launched at the hand launch off of Route 28N.

Aquatic Invasive Plant Presence

No invasive plants were detected.

Native Plant Biota

Comprehensive surveys of all native plants found within the lake were not prioritized in 2018, as this data had been previously collected in 2015 when the lake was first surveyed. Native plants found within the lake included *Brasenia schreberi* (watershield), *Eriocaulon* spp., *Nymphaea odorata* (white water lily), *Potamogeton natans* (floating leaf pondweed), *Utricularia purpurea* (large purple bladderwort), 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 plankton detected.

Note: The map of Balfour Lake does not show BioBase data in this report due to the technology limitations described on page 13.

Balfour Lake Aquatic Plant Survey 2018

County: Essex Date Surveyed: 08/23/2018
 Town: Minerva AIS Bed Area (acres): 0
 Lake Area (acres): 90.20 AIS Observed:

 Not Surveyed
 Native Beds  Invasive Beds
 Phytoplankton 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

Note: Balfour Lake was not BioBased, therefore aquatic plant BioVolume is not shown on this map

