

# Northeast Aquatic Research

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June 3, 2022

## Lake Zoar Pre Treatment Survey Results for Survey Conducted on June 3, 2022

**Pre-treatment Survey:** survey conducted on June 3, 2022

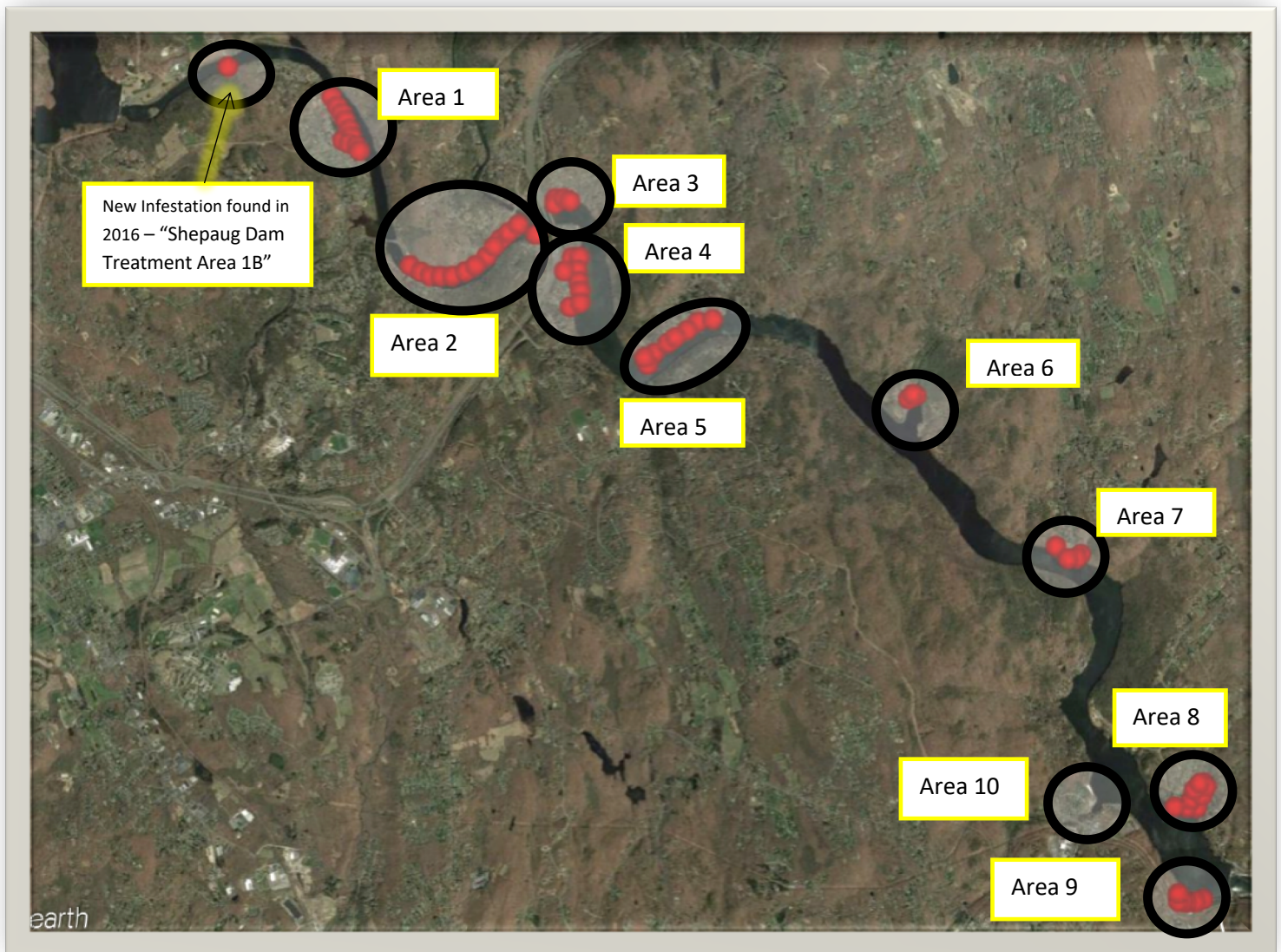
**Treatment Date:** Scheduled for mid-June 2022

**Post-Treatment Survey:** To be conducted after treatment to evaluate success.

### **Treatment Areas<sup>1</sup> (shown in Map 1):**

Area	Size (acres)	Treatment Requirement
1B	0.7	Treatment needed. Minor curly-leaf and Eurasian milfoil.
1	6.6	Treatment needed. Dense to very dense curly-leaf pondweed
2	4.8	Treatment needed. Dense to very dense curly-leaf pondweed
3	9.0	Treatment needed. Dense to very dense curly-leaf pondweed
4	13.3	Treatment needed, including extension. Very dense curly-leaf pondweed
5	21..8	Treatment needed included extension. Very dense curly-leaf pondweed
6	2.8	Treat at LZA discretion. Minor curly-leaf pondweed near shore
7	0.7	Treat small area around boat ramp only.
8	2.5	No treatment, no plants were found
9	2.2	Treatment near shore only. Minor curly-leaf pondweed.
10		No treatment -Area not shown, on west side of lake in marina cove. No plants were found

**Map 1: Treatment Area Sites 2017**



**Map 2: Shepaug Dam New Treatment Area (1b) = 0.7 acres**



**Pre-treatment;** There was minor curly-leaf pondweed and Eurasian milfoil in this area. This area needs to be treated because of the serious risk of infesting to the rest of the lake if allowed to mature.

**Map 3: Treatment Area 1 = 6.6 acres**



**Pre-treatment;** This is had a dense to very dense bed of curly-leaf pondweed that was continuous along the shore and within the cove. This area needs to be treated.



**Map 4: Treatment Area 2 = 4.8 acres**



**Pre-treatment;** Area 2 had dense to very dense curly-leaf pondweed between 70-100% cover as a long continuous band, extending into the cove. This area needs to be treated.

**Map 5: Treatment Area 3 = 9.0 acres**



**Pre-treatment;** Area 3 had extremely dense 100% cover of curly-leaf pondweed throughout. This area needs to be treated.

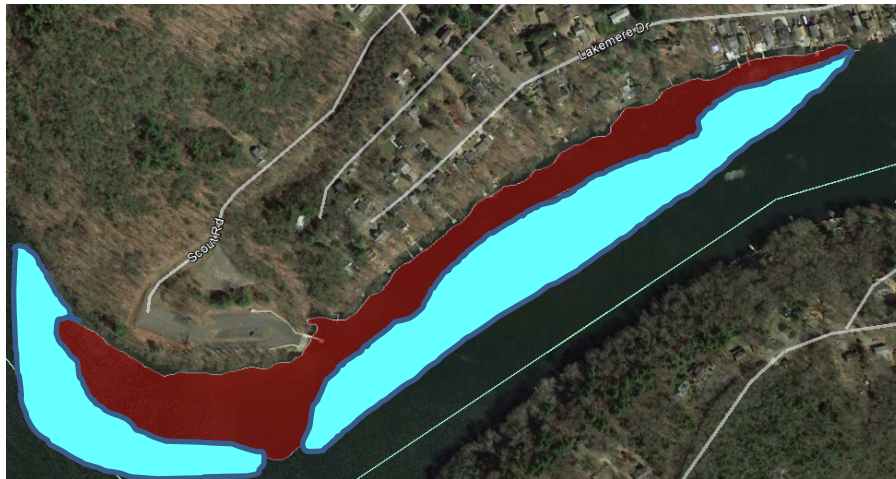


**Map 6: Treatment Area 4 = 13.3 acres**



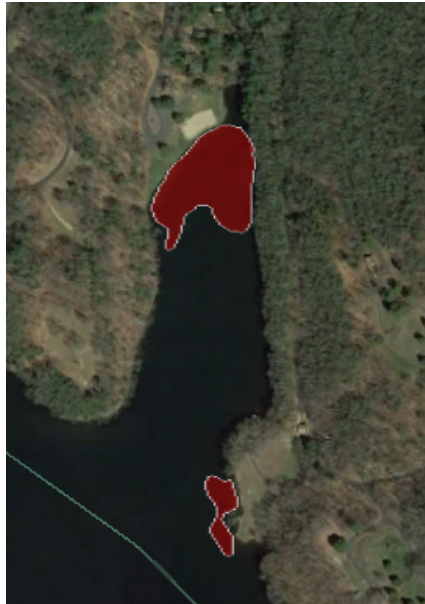
**Pre-treatment;** Area 4 had moderate to very dense curly-leaf pondweed on both sides of the central sand bar. The treatment area should be expanded to include the area in blue. This area needs to be treated.

**Map 7: Treatment Area 5 = 11.7 acres**



**Pre-treatment;** Area 5 has a continuous bed of dense to very dense curly-leaf pondweed. Note the extension of the area to be treated as shown in blue. These areas need to be treated.

**Map 8: Treatment Area 6 = 2.8 acres**



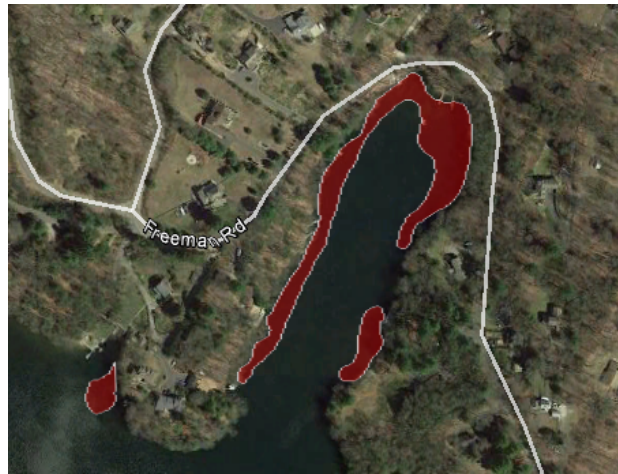
**Pre-treatment;** There was only minor curly-leaf and Eurasian milfoil in this area and only directly off the beach and delta of the stream. Treat at the discretion of the LZA.

**Map 9: Treatment Area 7 = 0.7 acres**



**Pre-treatment;** Map 9 shows three small treatment areas used in the past. No plants were found along the area called Jackson Cove and to its right. Minor curly-leaf and Eurasian milfoil were found in the small cove to the left in Map 9. This small area should be treated because of the proximity of the boat ramp in this cove.

**Map 10: Treatment Area 8 = 2.5 acres**



**Pre-treatment;** No plants were found in this area. No treatment needed.

**Map 11: Treatment Area 9 = 2.2 acres**



**Pre-treatment;** there was sparse curly-leaf pondweed adjacent to shore only. This area needs treatment near shore only.