

Lovell Invasive Plant Prevention Committee

Invasive Aquatic Plant Screening Surveys



Beaver Dam, Heald Pond



Water Starwort, Kezar Lake



Robbin's spikerush, outlet stream Kezar Lake



South Bay, Kezar Lake

Conducted August - September, 2013 by

L A K E & W A T E R S H E D

Resource Management Associates

PO Box 65, Turner, Maine, 04282

207-333-1849

lwrma2@megalink.net

This report summarizes the findings of the invasive aquatic plant screening surveys conducted from August 20 through September 18, 2013, by Lake and Watershed Resource Management Associates for the Lovell Invasive Plant Prevention Committee.

Lake and Watershed surveyors carefully surveyed all littoral areas of Bradley Pond, Heald Pond, and Kezar Lake, screening these waterbodies for the eleven invasive aquatic plant species on Maine’s prohibited list. A level-1 screening survey (covering a limited area within 300 feet of the public boat landing) was also conducted on Horseshoe Pond.

The surveys took place during a (generally) fair weather period that extended from August 20 through September 18, 2013.

FINDINGS: NO INVASIVE AQUATIC PLANTS WERE OBSERVED IN ANY OF THE ABOVE SURVEY AREAS

Additional data was collected in accordance with standardized protocols. LWRMA protocols (consistent with those developed by the Maine Volunteer Lake Monitoring Program and approved by the Maine Department of Environmental Protection) are detailed in earlier proposal documents provided to the Committee.



LWRMA team members Keith Williams and Jacolyn Bailey

This data includes: a) survey date/s and timeframe; b) names of the surveyors; c) general conditions encountered during the survey (weather and lake); d) whether or not an IAP was detected; e) inventory of native plants observed during the course of the survey; f) additional observations of note.



Keith examining a small plant specimen



LWRMA survey team leader, Roberta Hill

Below is a summary of some of the more pertinent additional data. For more detail, please see the attached IAP Screening Survey Documentation Forms. (Copies of documentation forms that were used by LWRMA surveyors in the field will be submitted separately to the committee.)

WATERBODY	DATE/S OF SURVEY	SURVEY TEAM MEMBERS	IAP OBSERVED? Y/N	# OF NATIVE PLANT SPECIES OBSERVED
Bradley Pond	9/18/13	Jacolyn Bailey; Keith Williams	N	31
Heald Pond	9/17/13	Jacolyn Bailey; Roberta Hill; Keith Williams	N	56
Horseshoe Pond (Level 1)	9/11/13	Jacolyn Bailey; Keith Williams	N	22
Kezar Lake	8/20/13 8/27/13 8/29/13 9/6/13 9/9/13	Jacolyn Bailey; Roberta Hill; Keith Williams	N	74

The 2013 Lovell surveys coincided with ongoing research being conducted by LWRMA surveyors. As a result, additional data was collected at no cost. A separate plant list was generated for each discrete sector in the waterbody. (In Bradley Pond 4 sectors have been defined; in Heald, 5 sectors, and in Kezar Lake, 42 sectors). This more-detailed data allows for comparison of individual plant communities over time. Also, in 2013, LWRMA surveyors collected specimens of the majority of plants species found in each waterbody. These specimens are currently being processed to create herbarium sheets for submission to the Maine State Herbarium.* Such complete collections are rare in Maine, and will provide an important record for lake researchers for decades to come.

* Electronic scans of the herbarium sheets could be made available to LIPPC upon request, at the cost of scanning.

Thank you for choosing Lake and Watershed for this project. Over the past three decades LWRMA has assisted the Town of Lovell and local property owners in the ongoing effort to protect and preserve the beautiful lakes and ponds of your region. We are very pleased to have had this opportunity to continue our work with you.

Respectfully,



Scott Williams
Principal, Aquatic Biologist
Lake & Watershed Resource Management Associates