

Wisconsin Department of Natural Resources  
SWIMS Project Summary

General Project Information

**Project ID:** AEPP50117

**Name:** ECHO LAKE ASSOC, LTD: Echo Lake 2-yr AIS Management Planning and Education Project

**Type:** Aquatic Invasives Grant

**Subtype:** Aquatic Invasives Education

**Status:** COMPLETE

**Start Date:** 2/15/2017

**End Date:** 6/30/2019

**Purpose:** The Echo Lake Association is sponsoring a two-year project to conduct AIS education and monitoring activities and update their APM plan.

Deliverables include AIS monitoring & watercraft inspection data in SWIMS, examples of AIS education & outreach, shoreline & woody habitat monitoring results & report, aquatic plant survey results, and an updated APM plan.

Specific project activities include: 1) Watercraft inspection; 2) EWM monitoring and treatment planning; 3) Volunteer AIS monitoring; 4) AIS outreach & education; 5) Shoreline and woody habitat surveys; 6) Spring and summer whole lake point intercept plant surveys.

Special Conditions: 1) Sponsor shall contact DNR immediately if a new AIS is found; 2) Watercraft inspection and AIS monitoring personnel shall be trained and follow DNR approved protocols; 3) Watercraft inspection and AIS monitoring data shall be entered in SWIMS; 4) Education materials shall be consistent with the Department\2019s statewide education strategy for preventing and controlling AIS; 5) WDNR\2019s Aquatic Plant Management in Wisconsin guidance shall be followed for point-intercept survey monitoring and aquatic plant management plan development. The NOR Native Plant Protection Strategy shall be integrated into the APM plan.

This scope is intended to summarize the detailed project scope provided in the application and does not supersede those application tasks/deliverables. Data, records, reports, and education materials, including GIS-based maps and digital images, must be submitted to the Department in a format specified by the regional lake coordinator.

Objective:

**Comments:** Grantee is ECHO LAKE ASSOC, LTD

Outcome:

Study Design:

QA Measures:

People

Name	Role	Status	Start Date	End Date	Organization	Comments
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Project Statuses

Date	Reported By	Status	Comments
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Actions

Action	Detailed Description	Start Date	End Date	Status
Grant Awarded	Grant AEPP50117 awarded	2/15/2017	6/30/2019	COMPLETE

Monitoring Stations

Station ID	Name	Comments
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Assessment Units

WBIC	Segment	Local Name	Official Name
2630200	1	Echo Lake	Echo Lake

Lab Account Codes

Account Code	Description	Start Date	End Date
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Forms

Form Code	Form Name
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Methods

Method Code	Method Description
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Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
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Documents

Title	Description	Author	Published	Comments
Curly-leaf pondweed (Potamogeton crispus) Point-intercept and Bed Mapping Surveys, and Warm-water Macrophyte Point-intercept Survey - Echo Lake	Following 13 years of active management that included herbicide treatments covering a total of 62.43 acres, EWM was reduced from 106 points with a mean rake fullness of 1.28 in August 2007, to one point in July 2012, to no points in July 2017. Continuing to aggressively manage EWM to limit its spread while simultaneously working to minimize its impact on Echo Lakes native plants and keeping economic costs low; and proactively working to limit nutrient inputs around the lake which can fuel both algal as well as milfoil growth are management priorities for the ELA to consider as they update their management plan.	Endangered Resource Services, LLC	7/27/2017	
Echo Lake - APM Implementation Summary Report - 2017			1/1/2017	
Echo Lake - APM Implementation Summary Report - 2018			1/1/2018	
Echo Lake - APM Plan - 2020/2024			1/1/2020	

7/25/2024

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Echo Lake PI Survey Data [6/23/17 Excel File]	Data corresponding to Curly-leaf pondweed (Potamogeton crispus) Point-intercept and Bed Mapping Surveys, and Warm-water Macrophyte Point-intercept Survey document.	Matthew S. Berg, Noah M. Berg	6/23/2017	
Echo Lake PI Survey Data [7/24/17 & 7/27/17 Excel File]	Data corresponding to Curly-leaf pondweed (Potamogeton crispus) Point-intercept and Bed Mapping Surveys, and Warm-water Macrophyte Point-intercept Survey document.	Matthew S. Berg, Noah M. Berg, Hallie Jensen	7/27/2017	
Eurasian Water-milfoil (Myriophyllum spicatum) Manual Rake Removal and Fall Bed Mapping Surveys - Echo Lake	Following three EWM monitoring and manual rake removal surveys in 2018 that documented a significant uptick in EWM in the northeast bay, the ELA, under the direction of Lake Education and Planning Services, Inc. (LEAPS), decided to treat 3.84 acres with granular 2, 4-D (Shredder Amine 4) with a target concentration of 4ppm on June 2, 2019. Posttreatment, we were asked to complete two lakewide EWM monitoring and manual rake removal surveys over the summer and a third survey in the fall if we found a significant number of plants. This report is the summary analysis of our surveys on the lake in 2019. These data will also be used to determine if and where EWM control might be considered in 2020.	Endangered Resource Services, LLC	10/13/2019	
Eurasian Water-milfoil (Myriophyllum spicatum) Manual Rake and SCUBA Removal and Fall Bed Mapping Surveys - Echo Lake	This report is the summary analysis of our three field surveys to locate and remove EWM on the lake in 2017. These data will also be used to determine where EWM control might be considered in 2018.	Endangered Resource Services, LLC	9/24/2017	

### Budget

**Combined Budgets:**

**Combined WSLH:**

**Combined Total:** \$0.00

### Funding

Organization	Source	Type	Amount	Start Date	End Date
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