

## Wisconsin Department of Natural Resources SWIMS Project Summary

### General Project Information

**Project ID:** AIRR-168-14

**Name:** FRIENDS OF LONE STONE LAKE INC: Lone Stone Lake Early Detection & Response: 2014 - 2016

**Type:** Aquatic Invasives Grant

**Subtype:** Aquatic Invasives Early Detection and Response

**Status:** COMPLETE

**Start Date:** 7/1/2013

**End Date:** 6/30/2017

**Purpose:** The Friends of Lone Stone Lake Association is sponsoring an Early Detection and Response project which will focus on surveying, monitoring, mapping, and hand-pulling the new discovery of EWM in Lone Stone Lake, Oneida County.

Project activities include: 1) Conduct annual early-season AIS and peak-biomass surveys; 2) Conduct volunteer AIS surveillance monitoring; 3) Control EWM by professional hand-removal efforts; 4) Host a project kick-off meeting; 5) Purchase a GPS; 6) Develop annual maps and letter report.

Project deliverables include: 1) EWM survey data and maps; 2) GPS; 3) nnuual letter report describing the findings of the early-spring survey, peak-biomass survey, hand-pulling efforts, and guidance for continued control actions.

Specific conditions for this project: Annual letter report needs Dept review and approval..

WDNR Lakes Management Coordinator will be provided with an electronic (pdf or word) copy of letter reports, all maps, and all aquatic plant and GIS data.

**Objective:**

**Comments:** Grantee is FRIENDS OF LONE STONE LAKE INC

**Outcome:**

**Study Design:**

**QA Measures:**

### People

Name	Role	Status	Start Date	End Date	Organization	Comments
Friends of Lone Stone Lake,	GRANT_RECIPIENT	ACTIVE	7/1/2013	6/30/2017		

### Project Statuses

Date	Reported By	Status	Comments
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### Actions

Action	Detailed Description	Start Date	End Date	Status
Informational Meetings		7/1/2013	6/30/2017	PROPOSED
APM Mechanical Permit Request		7/1/2013	6/30/2017	PROPOSED

Details: Parameter	Value/Amount	Units	Comments
Total Acres harvested			
Total pounds of plants harvested			

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Project Deliverable	1) EWM survey data and maps; 2) GPS; 3) Annual letter report describing the findings of the early-spring survey, peak-biomass survey, hand-pulling efforts, and guidance for continued control actions.	7/1/2013	6/30/2017	PROPOSED
Grant Awarded		7/1/2013	6/30/2017	COMPLETE
Aquatic Plant Monitoring or Survey		7/1/2013	6/30/2017	PROPOSED
Monitor Invasive Species		7/1/2013	6/30/2017	PROPOSED

### Monitoring Stations

Station ID	Name	Comments
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### Assessment Units

WBIC	Segment	Local Name	Official Name
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### 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

**Wisconsin Department of Natural Resources  
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Title	Description	Author	Published	Comments
Lone Stone Lake (EWM Removal Report)	On July 18th, 19th, and 20th, Aquatic Plant Management LLC (APM) Conducted hand removal services of Eurasian Watermilfoil (EWM) on Lone Stone Lake in Oneida County, WI. Our divers spent a combined total of 58.5 hours on the water and were able to successfully remove 97.5 cubic feet of EWM from the lake. As per Onterra LLC's request, we worked our way around the lake, targeting small plant colonies and clumps of plants first, before moving on the single or few plants remaining within the EWM control area. After spending the majority of the day on July 18th targeting the high priority sites, we then spent the remaining time on the lake mainly focusing on site C-16, as this site had the highest number and concentration of single EWM occurrences. It should be noted that site C-16 had a very high number of plants in the 1-3" height range compared to any other site on the lake.	Aquatic Plant Management	1/1/2016	
Lone Stone Lake AIS Early Detection & Response Grant Resolution		Scott Erdmann	5/25/2013	
Lone Stone Lake AIS Early Detection & Response: 2014-2016 Grant Application		Onterra, LLC	2/1/2014	

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Lone Stone Lake AIS Monitoring Control Report	<p>Lone Stone Lake is a 171 acre, drained, headwater lake in Oneida County, with a maximum depth of about 30 feet. The invasive Eurasian water milfoil (EWM) was first reported in the lake in 2011. Following consultation with the Wisconsin Department of Natural Resources (WDNR) and Oneida County AIS Coordinator Michele Saduaskas, the Friends of Lone Stone Lake (FLSL) contracted Onterra, LLC to complete a EWM survey in late summer of 2013. This 2013 survey provided data on the extent of EWM within the lake, which was used to develop a project strategy during the winter of 2013/2014. It should be noted that although the EWM was believed to be pure strain, samples of EWM were collected during this survey and sent to a lab in Michigan for genetic testing. The testing confirmed the plants were pure-strain <i>Myriophyllum spicatum</i> (EWM) as opposed to a hybrid species between northern water milfoil (<i>Myriophyllum sibiricum</i>) and the aforementioned EWM. This hybrid species (termed HWM) has been confirmed in several Wisconsin lakes and may complicate management due to its aggressive nature and suspected decreased susceptibility to herbicides. The FLSL were awarded a three year Aquatic Invasive Species (AIS) Early Detection &amp; Response in February of 2014 to initiate monitoring and hand-removal actions in 2014-2016. This report discusses the second year of monitoring and control under this grant-funded project and concludes with recommendations and strategies for the last year of the three year project, 2016.</p>	Friends of Lone Stone Lake	1/1/2016	
Lone Stone Lake AIS Monitoring Control Report 2016	The AIS Monitoring Control Report for Lone Stone Lake.	Friends of Lone Stone Lake	12/1/2016	
Lone Stone Lake EWM Control Strategy	The 2016 EWM control strategy for Lone Stone Lake.	Onterra LLC	1/1/2016	
Lone Stone Lake EWM Series	EWM series for Lone Stone Lake, years 2014-2016.	Onterra	1/1/2016	
Lone Stone Lake Grant Report 2015	Lone Stone Lake grant report 2015.	Friends of Lone Stone	1/1/2015	

8/28/2024

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Lone Stone Lake Grant Report 2016	Grant report of Lone Stone Lake 2016.	Catherine G. Schmidt	2/11/2017	
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### Budget

**Combined Budgets:**

**Combined WSLH:**

**Combined Total:** \$0.00

### Funding

Organization	Source	Type	Amount	Start Date	End Date
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