

Wisconsin Department of Natural Resources  
SWIMS Project Summary

General Project Information

**Project ID:** ACEI-156-14

**Name:** SQUASH LAKE ASSOC: Squash Lake AIS Control & Prevention Project: Hand Harvesting 2014-2016

**Type:** Aquatic Invasives Grant

**Subtype:** Aquatic Invasives Control

**Status:** COMPLETE

**Start Date:** 4/1/2014

**End Date:** 12/31/2017

**Purpose:** Squash Lake Association is sponsoring an ACEI grant on Squash Lake, in Oneida County. This project will focus on EWM management.

Project activities include: 1) Annual DASH and professional hand-harvesting of EWM; 2) Annual early-season AIS and EWM peak biomass survey, analysis and mapping; 3) Annual volunteer AIS monitoring, harvesting and diver assistance; 4) Point-intercept (PI) aquatic plant survey and community mapping; 5) Develop annual project report.

Project deliverables include: 1) Harvested EWM; 2) Peak biomass, PI survey and community mapping data; 3) AIS educational, prevention and monitoring activities; 4) Annual reports summarizing EWM management during project and future EWM management direction, AIS monitoring and AIS educational activities.

Specific Conditions for this project: Annual reports need Dept review and approval.

WDNR Lakes Management Coordinator will be provided with an electronic (pdf or word) copy of all annual reports, all maps, all GIS, survey data, and samples of educational and outreach products.

**Objective:**

**Comments:** Grantee is SQUASH LAKE ASSOC

**Outcome:**

**Study Design:**

**QA Measures:**

People						
Name	Role	Status	Start Date	End Date	Organization	Comments
Squash Lake Association,	GRANT_RECIPIENT	ACTIVE	4/1/2014	6/30/2017	Squash Lake Association	

Project Statuses			
Date	Reported By	Status	Comments

Actions					
Action	Detailed Description	Start Date	End Date	Status	
APM Mechanical Permit Request	DASH and professional hand pulling of EWM	4/1/2014	6/30/2017	PROPOSED	
Details: Parameter		Value/Amount	Units	Comments	
Total Acres harvested					
Total pounds of plants harvested					
Monitor Invasive Species		4/1/2014	6/30/2017	PROPOSED	

7/25/2024

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Project Deliverable	Annual Reports	4/1/2014	6/30/2017	PROPOSED
Aquatic Plant Monitoring or Survey	PI Survey	4/1/2014	6/30/2017	PROPOSED
Aquatic Plant Monitoring or Survey	Early Season EWM peak biomass survey	4/1/2014	6/30/2017	PROPOSED
Grant Awarded		4/1/2014	6/30/2017	COMPLETE

### 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

Title	Description	Author	Published	Comments
2015 EWM Monitoring & Control Strategy Assessment Report - Squash Lake		Squash Lake Association, Inc.	3/15/2016	
Squash Lake AIS Control & Prevention Addendum	Onterra, LLC issued its final report on Surface Water Grant ACEI-156-14 in January, 2017. Subsequently, the Squash Lake Association issued an addendum to that report in June, 2017 to report on the implemented update to its Lake Management Plan goals and objectives that resulted from Onterras final report. This 2nd Addendum is submitted to report on the activities and deliverables completed under the extension the DNR granted to the Squash Lake Association for ACEI-156-14. DNR grant ACEI-156-14 original end-date of June 30, 2017 was extended to a new end-date of December 31, 2017. The reason for the extension was a \$9577.33 grant balance remaining unpaid.	E. Daniel Butkus	8/16/2017	

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Squash Lake AIS Control & Prevention Final Report 2017	In 2009, the non-native, invasive plant Eurasian water milfoil ( <i>Myriophyllum spicatum</i> ; EWM) was discovered in Squash Lake. Following its discovery, the Squash Lake Association, Inc. (SLA) contracted with Onterra, and in September of 2009 Onterra ecologists completed a lake-wide meander-based survey aimed at locating and mapping locations of EWM. The 2009 survey revealed that EWM was present within near-shore areas around the lake, but in very low abundance. The results of this survey along with potential management options were presented to members of SLA. After reviewing these options, the association decided to move forward with an aggressive hand-harvesting effort in hopes of reducing/maintaining a low-density EWM population in Squash Lake.	Brenton Butterfield, Eddie Heath, Tim Hoyman	1/1/2017	
Squash Lake AIS Control & Prevention Project: EWM Hand-Harvesting 2014-2016 [Application]	Application materials for ACEI-156-14	Onterra	2/1/2014	
Squash Lake, Oneida County, Wisconsin - May 2015 EWM Locations & 2015 DASH Areas v2 [Map]	Diver Assisted Suction Harvesting (DASH) map	Onterra, LLC	5/31/2015	
Squash Lake: West - Oneida County, Wisconsin - May 2015 EWM Locations & 2015 SLA Hand-Removal Areas [Map]		Onterra, LLC	5/31/2015	
Summary of Diver Assisted Suction Harvesting Efforts - Squash Lake - Oneida County, WI	The Squash Lake Association solicited the services of Many Waters, LLC to use Diver Assisted Suction Harvesting (DASH) to manage for Eurasian watermilfoil (EWM) on Squash Lake located in Oneida County, WI. DASH is a mechanical process and requires a mechanical harvesting permit (Form 3200-113 (R 3/04)) from the Wisconsin Department of Natural Resources (WDNR). The 2015 WDNR Permit ID is NO-2015-44-50M.	Many Waters, LLC	11/28/2015	

### Budget

7/25/2024

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Combined Budgets:  
Combined WSLH:  
Combined Total: \$0.00

Funding					
Organization	Source	Type	Amount	Start Date	End Date