

## Wisconsin Department of Natural Resources SWIMS Project Summary

### General Project Information

**Project ID:** AIRR-166-14

**Name:** TOWN OF PHELPS: Smoky Lk Control & Prevention of Eurasian Watermilfoil Rapid Response Project

**Type:** Aquatic Invasives Grant

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

**Status:** COMPLETE

**Start Date:** 8/1/2013

**End Date:** 6/30/2016

**Purpose:** The Town of Phelps is sponsoring an Early Detection and Response project focusing on a new discovery of Eurasian Watermilfoil (EWM) in Smokey Lake in Vilas County. The project includes surveying, monitoring, mapping, and hand-pulling of EWM in Smoky Lake.

Project activities include: 1) Conduct annual early-season and mid-late season AIS surveys; 2) Conduct volunteer AIS surveillance monitoring; 3) Control EWM by professional hand-removal and DASH efforts; 4) Conduct watercraft inspections and enter data into SWIMS; 5) Host a project wrap-up meeting; 6) Develop annual maps and report; 7) Develop end of project report.

Project deliverables include: 1) EWM survey data and maps; 2) 100 hours of inspection time and entered data; 3) Annual reports and final report describing the findings of the AIS, hand-pulling efforts, and guidance for continued control actions.

Specific conditions for this project: Annual reports and final report need Dept. review and approval

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

**Objective:**

**Comments:** Grantee is TOWN OF PHELPS

**Outcome:**

**Study Design:**

**QA Measures:**

### People

Name	Role	Status	Start Date	End Date	Organization	Comments
Raker, Lewis	COORDINATOR	ACTIVE	10/7/2014			
Town of Phelps,	GRANT_RECIPIENT	ACTIVE	8/1/2013	6/30/2016	Town of Phelps	

### Project Statuses

Date	Reported By	Status	Comments
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### Actions

Action	Detailed Description	Start Date	End Date	Status
Aquatic Plant Monitoring or Survey		8/1/2013	6/30/2016	PROPOSED
Monitor Invasive Species		8/1/2013	6/30/2016	PROPOSED
APM Mechanical Permit Request		8/1/2013	6/30/2016	PROPOSED

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Details: Parameter	Value/Amount	Units	Comments	
Total Acres harvested				
Total pounds of plants harvested				
Project Deliverable	Final Report and annual reports	8/1/2013	6/30/2016	PROPOSED
Grant Awarded		4/1/2014	6/30/2016	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

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Title	Description	Author	Published	Comments
2014 Smoky Lake Control and Prevention of Eurasian Watermilfoil Rapid Response Project Annual Reporting	<p>In 2013, over half of the known EWM locations consisted of dense to moderate-dense abundances, whereas in 2014 roughly three quarters of all known location consisted of sparse to very sparse abundances. These observations suggest a reduction in density of EWM from 2013 to 2014. There is still moderate and moderate-dense EWM abundances known on Smoky Lake, however, comparing this to 2013, it is evident that hand removal has made a positive impact, not only to the overall abundance of EWM on Smoky Lake but also by minimizing the potential for spread. A decline in EWM is likely a positive result of active management, however, can include natural annual variation. Cool weather and water temperatures and extended winter conditions including ice and snow pack can potentially influence observed annual variation. Eurasian water milfoil is an aggressive aquatic invasive plant, it is unlikely that this plant will be eradicated, nor should eradication be a feasible management goal. Using monitoring and management efforts that are resource reasonable and adaptive to annual needs will be the best strategy to provide long-term control.</p>	Many Waters, LLC	10/15/2014	
2015 Smoky Lake Control and Prevention of Eurasian Watermilfoil Rapid Response Project Draft [Vilas County]	<p>Eurasian water milfoil continues to exist within the southwest most bay and a few locations just north of the original DASH B-2015 work area. No EWM was detected in front and east of the launch, nor at the single location along the north end. Overall management efforts reduced the density of EWM in Smoky Lake compared to 2014, furthermore, A-15, which was a continual area of sparse density EWM was reduced in both extent and abundance. In light of this reduction, the overall extent of EWM in Smoky Lake has grown in 2015 compared to 2014. This is primarily due to the very sparse area of contiguous growth (B-15) found along the central portion of the southwest most bay.</p>	Many Waters, LLC	10/15/2015	

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2015 Smoky Lake Control and Prevention of Eurasian Watermilfoil Rapid Response Project Final Report [Vilas County]	Eurasian water milfoil continues to exist within the southwest most bay and a few locations just north of the original DASH B-2015 work area. No EWM was detected in front and east of the launch, nor at the single location along the north end. Overall management efforts reduced the density of EWM in Smoky Lake compared to 2014, furthermore, A-15, which was a continual area of sparse density EWM was reduced in both extent and abundance. In light of this reduction, the overall extent of EWM in Smoky Lake has grown in 2015 compared to 2014. This is primarily due to the very sparse area of contiguous growth (B-15) found along the central portion of the southwest most bay.	Many Waters, LLC	10/15/2015	
An amendment agreement for the project: Smoky Lk Control & Prevention of Eurasian Watermilfoil Rapid Response Project, Amendment No. I [Vilas County]	Duplicate copies of an amendment agreement for the following project: Smoky Lake Control & Prevention of Eurasian Water milfoil Rapid Response Project, Amendment No. I	Mary Rose Teves	7/23/2015	
Eurasian Watermilfoil Rapid Response Project: Smoky Lake Application		Town of Phelps	1/1/2014	

### Budget

#### Combined Budgets:

#### Combined WSLH:

**Combined Total:** \$0.00

### Funding

Organization	Source	Type	Amount	Start Date	End Date
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