

## Wisconsin Department of Natural Resources SWIMS Project Summary

### General Project Information

**Project ID:** ACEI-171-15  
**Name:** BONE LAKE MANAGEMENT DISTRICT: Curlyleaf Pondweed & Giant Knotweed Control  
**Type:** Aquatic Invasives Grant  
**Subtype:** Aquatic Invasives Control  
**Status:** COMPLETE  
**Start Date:** 04/15/2015  
**End Date:** 06/30/2019  
**Purpose:** Bone Lake Management District is sponsoring a 3-yr project to implement approved activities from the Bone Lake Aquatic Plant Management Plan.

Project deliverables include GIS data & maps of areas monitored, aquatic plant & turion monitoring results, AIS monitoring data in SWIMS, management/treatment summaries.

Specific project activities include: 1) Curly-leaf pondweed herbicide control; 2) Knotweed control; 3) Pre-post treatment aquatic plant monitoring; 4) Turion monitoring.

Special Conditions: 1) WDNR\2019s Aquatic Plant Management in Wisconsin guidance shall be followed for aquatic plant monitoring; 2) Sponsor shall contact DNR immediately if a new AIS is found.

This scope summarizes the project detail provided in the application and does not negate tasks/deliverables described therein. Data, records, and reports, including GIS-based maps, and digital images, must be submitted to the Department in a format specified by the regional Lakes Biologist.

**Objective:**  
**Comments:** Grantee is BONE LAKE MANAGEMENT DISTRICT  
**Outcome:**  
**Study Design:**  
**QA Measures:**

### People

Name	Role	Status	Start Date	End Date	Organization	Comments
Bone Lake Management Dist	GRANT_RECIP	ACTIVE	04/22/2015		Bone Lake Management District	

### Project Statuses

Date	Reported By	Status	Comments
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### Actions

Action	Detailed Description	Start	End Date	Status
Grant Awarded	Grant ACEI-171-15 awarded	04/15/2001	12/31/2018	COMPLETE

### Monitoring Stations

Station ID	Name	Comments
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### Assessment Units

WBIC	Segment	Local Name	Official Name
2628100	1	Bone Lake T35n R16w S06	Bone Lake
2628300	1	Local Water	Unnamed
2628400	1	Local Water	Unnamed

## Wisconsin Department of Natural Resources SWIMS Project Summary

### 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	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
Bone Lake 2018 CLP Evalutaion	There was a planned herbicide treatment for Bone Lake in spring 2018. The pretreatment survey was conducted and all beds were delineated and permitted. However, the late spring made timing difficult. There was never a day that occurred within the water temperature guidelines that met required conditions. As a result, it was decided to cease treatment.			
Bone Lake AIS Control Grant Application		Robert Murphy	01/04/2014	
Bone Lake Herbicide Treatment Analysis 2014	AIS report for Bone Lake regarding the treatment of Potamogeton crispus.	Ecological Integrity Service	01/01/2017	
Bone Lake Treatment Bed Stats 2013				
Herbicide Treatment Analysis for Potamogeton crispus - Bone Lake, Polk County - 2015	The herbicide endothall was applied to reduce Potamogeton crispus-curly leaf pondweed (CLP) on May 20 and June 4, 2015 in Bone Lake, Polk County Wisconsin. There were seven treatment beds totaling 30.15 acres in area. A pretreatment survey was conducted on April 19 and a post treatment survey was conducted on June 12 and 16 to evaluate the effectiveness. The surveys showed that the treatment resulted in a statistically significant reduction in CLP frequency comparing before treatment frequency to after treatment frequency (71.1% before treatment to 11.8% after treatment). A comparison between the 2014 post treatment survey and the 2015 post treatment survey showed a small increase in CLP frequency. Comparing the 2014 pretreatment survey to the 2015 pretreatment survey showed a small decrease that was not statistically significant. A native plant species evaluation revealed a statistically significant reduction in one species, Ceratophyllum demersum-coontail. A turion analysis conducted on Oct. 17, 2015 showed a decrease	Ecological Integrity Service, LLC	11/15/2015	

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Title	Description	Author	Published	Comments
Herbicide Treatment Analysis for Potamogeton crispus - Bone Lake, Polk County - 2017	<p>in the turion density in all beds from 2014 to 2015. The turion density remains high in two of the treatment beds. The remaining CLP that was dense and near the surface in Bone Lake was mapped on June 15 and 16. There was 49.5 acres of dense CLP remaining in 2015.</p>	Ecological Integrity Service, LLC	01/01/2017	

### Budget

**Combined Budgets:**  
**Combined SLOH:**  
**Combined Total:**

### Funding

Organization	Source	Type	Amount	Start Date	End Date
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