

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: AEPP-319-12
Name: BONE LAKE MANAGEMENT DISTRICT: Bone Lake AIS Education
Type: Aquatic Invasives Grant
Subtype: Aquatic Invasives Education
Status: COMPLETE
Start Date: 10/01/2011
End Date: 12/31/2016
Purpose: The Bone Lake Management District is sponsoring a 3-year AIS prevention and education project including a CBCW inspection program at the public landing supplemented with ILIDS, point intercept plant survey, AIS identification and prevention workshops; public awareness, improved information signage at the landing, and monitoring for invasive plants around Bone Lake.

Deliverables include a comprehensive report with: 1) A summary of project activities including CBCW survey & monitoring results, installation of ILIDS device, report on ILIDS observations (total number of launches and potential violations), inspector/monitor training, public outreach, AIS monitoring results of any detected invasive species including knotweed with appropriate maps, report on signage; 2) Watercraft inspection report (time & number of people reached); Daily CBCW survey results and remote monitoring results entered into the DNR CBCW website SWIMS database; 3) Point intercept plant survey results; 4) Verification of workshops and/or inspector training (agendas and attendance lists); 5) Copies of project educational materials and mailings; 6) Updated APM plan; 8) AIS related materials generated or paid for by this grant.

Special conditions 1) WDNR\2019s Aquatic Plant Management in Wisconsin guidance should be followed for point-intercept survey monitoring and/or aquatic plant management plan development; 2) The sponsor shall immediately contact DNR if a new aquatic invasive species is found.

This scope summarizes application details 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 AIS Coordinator. It is recommended the Grantee provide AIS Coordinator with a draft final report for comment on report adequacy prior to making final payment to any consultant. The DNR shall receive a paper and electronic copy of the final report.

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	10/01/2011		Bone Lake Management District	

Project Statuses

Date	Reported By	Status	Comments
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Actions

Action	Detailed Description	Start	End Date	Status
Comprehensive Planning Studies		10/01/2011	12/31/2014	IN_PROGRESS
Watercraft Inspections Clean Boats, Clean Waters		10/01/2011	12/31/2014	IN_PROGRESS
Grant Awarded		10/01/2011	12/31/2014	COMPLETE

Monitoring Stations

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Station ID	Name	Comments		
Assessment Units				
WBIC	Segment	Local Name	Official Name	
2626800	1	Fox Creek	Fox Creek	
2628200	1	Prokor Creek	Prokor Creek	
Lab Account Codes				
Account Code	Description	Start Date	End Date	
Forms				
Form Code	Form Name			
Methods				
Method Code	Description			
Fieldwork Events				
Start Date	Status	Field ID	Station ID	Station Name
Documents				
Title	Description	Author	Published	Comments
Aquatic Macrophyte PI survey Report - Bone Lake, Polk County	In June and July 2012, a point intercept method aquatic macrophyte survey was conducted on Bone Lake (WBIC: 2628100), in Polk County Wisconsin. Bone Lake is a 1781-acre drainage lake with a maximum depth of 43 feet. This report presents a summary and analysis of data collected in a point intercept aquatic macrophyte survey. The primary goal of the survey is to compare this PI survey with one conducted in 2007 for the long-term monitoring of aquatic plant populations and allow for the evaluation of any changes that may occur long-term.	Ecological Integrity Services, LLC	07/31/2012	
Aquatic Management Plan - Bone Lake - Polk County	This Aquatic Plant Management Plan for Bone Lake, Polk County, Wisconsin presents a strategy for managing aquatic plants by protecting native plant populations, alleviating nuisance conditions, and preventing establishment of invasive species. The plan includes data about the plant community, watershed, and water quality of Bone Lake. Based on this data and public input, goals and strategies for the sound management of aquatic plants in the lake are presented. This plan will guide the Bone Lake Management District and the Wisconsin Department of Natural Resources in aquatic plant management for Bone Lake over the next five years (from 2013 through	Harmony Environmental	06/30/2013	

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Title	Description	Author	Published	Comments
Bone Lake, Polk County - Endothall Concentration Monitoring Summary, 2013	2017) Bone Lake has an area of 1667 acres, a maximum depth of 43 ft and a mean depth of 23 ft. On 7 and 10 June 2013, a number of areas totaling 31.43 acres were treated with a liquid formulation of endothall (Aquathol K) to control curly-leaf pondweed (<i>Potamogeton crispus</i>).	John Skogerhoe	12/17/2013	
Distribution Maps of Aquatic Plant Species - Bone Lake, Polk County Wisconsin July, 2012	List of Bone lake aquatic plant species and relative frequency with accompanying distribution maps for a July 2012 aquatic plant survey.	Ecological Integrity Services, LLC	06/30/2013	
Herbicide Treatment of <i>Potamogeton crispus</i> Analysis - Bone Lake - Polk County	On June 7, 2013 seven beds totaling 30.46 acres of the invasive species <i>Potamogeton crispus</i> -curly leaf pondweed (CLP) was treated with endothall (concentration of 2ppm) for purposes of CLP reduction. A comparison of the pretreatment survey frequency with the post treatment frequency shows a significant reduction in CLP in all beds. A comparison of the 2012 post treatment survey with the 2013 post treatment survey also shows a significant reduction. An analysis of the native plants resulted in a significant reduction in one native species, but it is speculated that it is not due to the herbicide application.	Ecological Integrity Services, LLC	06/30/2013	
Misc Maps Bone Lake PI Survey July, 2012	Bone Lake PI survey maps	Ecological Integrity Services, LLC	07/31/2012	

Budget

Combined Budgets:
 Combined SLOH:
 Combined Total:

Funding

Organization	Source	Type	Amount	Start Date	End Date
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