

Wisconsin Department of Natural Resources
SWIMS Project Summary

General Project Information

Project ID: SPL-202-09

Name: BONE LAKE MANAGEMENT DISTRICT: Bone Lake Internal Loading Study

Type: Lakes Grant

Subtype: Small Scale Lake Planning

Status: COMPLETE

Start Date: 4/1/2009

End Date: 12/31/2009

Purpose: The Bone Lake Management District will support a study to asses the release of phosphorous from Bone Lake sediment. This information will be used to supplement data from a 2008 study to estimate internal phosphorous loading. In addition, the project includes the purchase a dissolved oxygen meter for use in determining anoxic areas.

Activities include: 1) Purchase Dissolved Oxygen Meter; 2) Conduct nutrient sampling during anoxic conditions; 3) Analyze results to determine internal phosphorous loading.

Specific deliverables for this grant include: 1) Final Project Report (paper and electronic copies) including summary of accomplishments including description of the phosphorous profile study and phosphorous loading analysis. The report will also include a description of the D.O. meter and any accessories purchased; 2) Data from nutrient sampling will be entered into WILMS; 3) AIS related materials generated or paid for by this grant.

Special conditions for this project: The project sponsor shall immediately contact the DNR in the event of a new aquatic invasive species infestation.

This scope is intended to summarize the grant application scope and does not supersede grant application specifics. Data, records, and reports, including GIS-based maps and digital images, must be submitted to the Department in a format specified by the Lake Coordinator. It is recommended that Grantee provide Lake Coordinator with a draft final report. The DNR shall receive a paper and electronic copy of the final report. If consultant is to provide final report, it is recommended that Grantee provide DNR Lake Coordinator with a draft for comment on report adequacy prior to making final payment to the consultant.

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 District,	GRANT_RECIPIENT	ACTIVE	4/1/2009	12/31/2009	Bone Lake Management District	
Boyd, Bob	TEAM_MEMBER	COMPLETE	4/1/2009	12/31/2009	Bone Lake Management District	
Clemens Bursik, Cheryl	TEAM_MEMBER	ACTIVE	4/1/2009	12/31/2009		

Project Statuses

Date	Reported By	Status	Comments
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Actions

Wisconsin Department of Natural Resources
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Action	Detailed Description	Start Date	End Date	Status
Purchase Dissolved Oxygen Meter		4/1/2009	12/31/2009	PROPOSED
Grant Awarded	<p>The Bone Lake Management District will support a study to asses the release of phosphorous from Bone Lake sediment. This information will be used to supplement data from a 2008 study to estimate internal phosphorous loading. In addition, the project includes the purchase a dissolved oxygen meter for use in determining anoxic areas.</p> <p>Activities include: 1) Purchase Dissolved Oxygen Meter; 2) Conduct nutrient sampling during anoxic conditions; 3) Analyze results to determine internal phosphorous loading.</p>	4/1/2009	12/31/2009	COMPLETE

Monitoring Stations

Station ID	Name	Comments
493126	Bone Lake - Deep Hole	
493163	Bone Lake - North Half	

Assessment Units

WBIC	Segment	Local Name	Official Name
2628100	1	Bone Lake T35n R16w S06	Bone Lake

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
6/24/2009 7:00	COMPLETE	BL-DH-10	493126	Bone Lake - Deep Hole
6/24/2009 7:00	COMPLETE	BL-LI-10	493126	Bone Lake - Deep Hole
6/24/2009 7:00	COMPLETE	BL-NH-10	493163	Bone Lake - North Half
8/30/2009 9:30	COMPLETE	BL-DH-10M	493126	Bone Lake - Deep Hole
8/30/2009 9:30	COMPLETE	BL-NH-10M	493163	Bone Lake - North Half
8/30/2009 9:30	COMPLETE	BL-SLI-10M	493126	Bone Lake - Deep Hole
10/8/2009 11:00	COMPLETE	BL-DH-1M	493126	Bone Lake - Deep Hole
10/8/2009 11:00	COMPLETE	BL-NH-1M	493163	Bone Lake - North Half
10/8/2009 11:00	COMPLETE	BL-SLI-1M	493126	Bone Lake - Deep Hole

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Documents

Title	Description	Author	Published	Comments
Bone Lake, Polk County WI - Internal Load Estimate 2009		Ecological Integrity Service, LLC, Amery, WI	12/31/2009	

Budget

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

Funding

Organization	Source	Type	Amount	Start Date	End Date
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