

## Wisconsin Department of Natural Resources SWIMS Project Summary

### General Project Information

**Project ID:** LPL-1271-09

**Name:** POSKIN LAKE ASSOCIATION INC.: Phase 2, Watershed Evaluation, Paleocore, Plant Survey & Shoreland Inventory

**Type:** Lakes Grant

**Subtype:** Large Scale Lake Planning

**Status:** COMPLETE

**Start Date:** 4/1/2009

**End Date:** 6/30/2010

**Purpose:** Poskin Lake Association is sponsoring a three-phase project to assess watershed, water quality, shoreline, and aquatic plant conditions; determine nutrient loads and model lake response; develop watercraft inspection and AIS monitoring programs; distribute and analyze a sociological survey; coordinate stakeholder participation and planning; and develop a lake management implementation plan. The final deliverable will be a single lake management plan that includes methodologies, results, and management alternatives discussion with an implementation plan. Interim deliverables for each phase include a progress report with results, including maps, spreadsheets, and other data collected during the given phase.

The specific Phase 2 (LPL-1271-09) project tasks include: 1) Spring and summer whole lake aquatic plant point-intercept survey; 2) Shoreline inventory; 3) Watershed evaluation with nutrient loading calculations; 4) Top/bottom paleolimnological core; 5) Water level management and zoning/ordinance review.

Special Conditions: 1) WDNR's Aquatic Plant Management in Wisconsin guidance should be followed for point-intercept survey monitoring and aquatic plant management plan development; 2) Draft public surveys and shoreline inventory methods must be reviewed and approved by the Department before being initiated.

This scope is intended to summarize the detailed project scope provided in the application and does not supersede those application tasks/deliverables. Data, records, and reports, including GIS-based maps and digital images, must be submitted to the Department in a format specified by the regional Lake Coordinator.

**Objective:**

**Comments:** Grantee is POSKIN LAKE ASSOCIATION INC.

**Outcome:****Study Design:****QA Measures:**

### People

Name	Role	Status	Start Date	End Date	Organization	Comments
Poskin Lake Association,	GRANT_RECIPIENT	ACTIVE	4/1/2009	6/30/2010	Poskin Lake Association	

### Project Statuses

Date	Reported By	Status	Comments
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### Actions

Action	Detailed Description	Start Date	End Date	Status
Monitor Invasive Species	29392318	4/1/2009		PROPOSED
Shoreland Monitoring, Assessment, Inventory	Shoreland Monitoring, Assessment or Inventory	4/1/2009	6/30/2010	PROPOSED

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Watercraft Inspections Clean Boats, Clean Waters	29392321	4/1/2009		PROPOSED
Monitor Water Quality or Sediment	29392318	4/1/2009		PROPOSED
Watershed Mapping or Assessment	29392318	4/1/2009		PROPOSED
Water Quality Modeling	POSKIN LAKE ASSOCIATION INC.: Phase 2, Watershed Evaluation, Paleocore, Plant Survey & Shoreland Inventory, 29392318	4/1/2009		PROPOSED
Grant Awarded	<p>Poskin Lake Association is sponsoring a three-phase project to assess watershed, water quality, shoreline, and aquatic plant conditions; determine nutrient loads and model lake response; develop watercraft inspection and AIS monitoring programs; distribute and analyze a sociological survey; coordinate stakeholder participation and planning; and develop a lake management implementation plan. The final deliverable will be a single lake management plan that includes methodologies, results, and management alternatives discussion with an implementation plan. Interim deliverables for each phase include a progress report with results, including maps, spreadsheets, and other data collected during the given phase.</p> <p>The specific Phase 2 (LPL-1271-09) project tasks include: 1) Spring and summer whole lake aquatic plant point-intercept survey; 2) Shoreline inventory; 3) Watershed evaluation with nutrient loading calculations; 4) Top/bottom paleolimnological core; 5) Water level management and zoning/ordinance review.</p> <p>Special Conditions: 1) WDNR's Aquatic Plant Management in Wisconsin guidance should be followed for point-intercept survey monitoring and aquatic plant management plan development; 2) Draft public surveys and shoreline inventory methods must be reviewed and approved by the Department before being initiated.</p>	4/1/2009	6/30/2010	COMPLETE
Lake Management Plan Development		4/1/2009	6/30/2010	PROPOSED
Social Survey of Residents or Users		4/1/2009	6/30/2010	PROPOSED

### Monitoring Stations

Station ID	Name	Comments
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### Assessment Units

WBIC	Segment	Local Name	Official Name
2097200	1	Vermillion River	Vermillion River
2098000	1	Poskin Lake	Poskin Lake

### Lab Account Codes

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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
Curley-leaf Pondweed Bed Mapping and Warm Water Point / Intercept Macrophyte Surveys		Matthew S. Berg, Endangered Resource Services, LLC	7/23/2009	
End of Project Summary for Phase 2		Dave Blumer, Short Elliott Hendrickson Inc.	6/11/2010	
Non-point Source Modeling for Poskin Lake			6/6/2010	
Results of Sediment Core Taken from Poskin Lake Barron Co	On 31 August 2009 a sediment core were taken from near the deep area. In summary, the sediment core indicates that Poskin Lake was historically an eutrophic lake. Although phosphorus levels at the present time are in the range of 50 ug L-1, they were likely not much lower prior to the arrival of European settlers 150 years ago.	Paul Garrison	10/1/2009	

### Budget

#### Combined Budgets:

#### Combined WSLH:

Combined Total: \$0.00

### Funding

Organization	Source	Type	Amount	Start Date	End Date
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