

## Wisconsin Department of Natural Resources SWIMS Project Summary

### General Project Information

**Project ID:** LPL-914-04

**Name:** SPOONER LAKE DISTRICT: Spooner Lake - Phase II

**Type:** Lakes Grant

**Subtype:** Large Scale Lake Planning

**Status:** COMPLETE

**Start Date:** 10/1/2003

**End Date:** 12/31/2005

**Purpose:** The Spooner Lake District will conduct phase 2 of a multi-phase project to complete a comprehensive lake management plan for Spooner Lake in Washburn County. The USGS will conduct in-lake water quality monitoring twice monthly at two sites in the growing season and once in winter and early spring. Flow and water quality data will be collected on Crystal Brook at Hwy 70. Volunteers will read a staff gage at the Spooner Lake Dam to attain out-flow data. The additional data will support development of a nutrient and hydrologic budget in phase III and will be used to compare the water quality effects of a large herbicide treatment that occurred in 2002 - 2003. Herbicide treatments will be suspended in 2004. Complete a watershed characterization and subarea delineation to: identify agriculture land uses with the highest potential to deliver polluted runoff; identify environmentally sensitive areas and quality habitats; predict watershed land use changes; evaluate the level of protection afforded through local ordinances and land use planning. An education and communication effort to inform the community about the project results, the unique aspects of shallow lake ecology, explore appropriate management scenarios/expectations and promote shoreline restoration, will be conducted.

Specific deliverables for this project include: 1) A USGS water quality data summary report provided to the Lake District including a comparison between herbicide and nonherbicide treatment years.

2) USGS published water quality data annual report. 3) Final project report summarizing all project results including the watershed evaluation and education/communication efforts and recommendations for phase III.

The Department of Natural Resources will be provided with a paper copy and an electronic copy (PDF format) of the final report. Project results will be disseminated to the public by newsletter(s), public meeting(s), and local newspaper articles.

**Objective:**

**Comments:** Grantee is SPOONER LAKE DISTRICT

**Outcome:**

**Study Design:**

**QA Measures:**

### People

Name	Role	Status	Start Date	End Date	Organization	Comments
Spooner Lake District,	GRANT_RECIPIENT	ACTIVE	10/1/2003	12/31/2005	Spooner Lake District	

### Project Statuses

Date	Reported By	Status	Comments
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### Actions

Action	Detailed Description	Start Date	End Date	Status
Monitor Water Quality or Sediment	10100890	10/1/2003		PROPOSED
Lake Management Plan Development	10100890	10/1/2003		PROPOSED

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Grant Awarded	<p>The Spooner Lake District will conduct phase 2 of a multi-phase project to complete a comprehensive lake management plan for Spooner Lake in Washburn County. The USGS will conduct in-lake water quality monitoring twice monthly at two sites in the growing season and once in winter and early spring. Flow and water quality data will be collected on Crystal Brook at Hwy 70. Volunteers will read a staff gage at the Spooner Lake Dam to attain out-flow data. The additional data will support development of a nutrient and hydrologic budget in phase III and will be used to compare the water quality effects of a large herbicide treatment that occurred in 2002 - 2003. Herbicide treatments will be suspended in 2004. Complete a watershed characterization and subarea delineation to: identify agriculture land uses with the highest potential to deliver polluted runoff; identify environmentally sensitive areas and quality habitats; predict watershed land use changes; evaluate the level of protection afforded through local ordinances and land use planning. An education and communication effort to inform the community about the project results, the unique aspects of shallow lake ecology, explore appropriate management scenarios/expectations and promote shoreline restoration, will be conducted.</p>	10/1/2003		COMPLETE
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### Monitoring Stations

Station ID	Name	Comments
663153	Spooner Lake - Deep Hole	
10037940	Spooner Lake AUX Site - SE	
10037936	Spooner Lake center of south bay	

### Assessment Units

WBIC	Segment	Local Name	Official Name
2685200	1	Spooner Lake	Spooner Lake

### Lab Account Codes

Account Code	Description	Start Date	End Date
LM010	LAKE MANAGEMENT PLANNING GRANT	6/3/2003	6/30/2004
LM011	LAKE MANAGEMENT PLANNING GRANT	6/10/2004	6/30/2005

### Forms

Form Code	Form Name

### Methods

Method Code	Method Description

## Wisconsin Department of Natural Resources SWIMS Project Summary

Fieldwork Events				
Start Date	Status	Field ID	Station ID	Station Name
6/9/2004 9:20	COMPLETE	SP-B	663153	Spooner Lake - Deep Hole
6/9/2004 9:25	COMPLETE	SP-T	663153	Spooner Lake - Deep Hole
6/9/2004 10:00	COMPLETE	XB	10037936	Spooner Lake center of south bay
6/9/2004 10:05	COMPLETE	XT	10037936	Spooner Lake center of south bay
6/21/2004 9:20	COMPLETE	DH-TOP	663153	Spooner Lake - Deep Hole
6/21/2004 9:25	COMPLETE	DH-BOTTOM	663153	Spooner Lake - Deep Hole
6/21/2004 10:20	COMPLETE	AX-TOP	10037936	Spooner Lake center of south bay
6/21/2004 10:30	COMPLETE	AX-BOTTOM	10037936	Spooner Lake center of south bay
7/2/2004 9:10	COMPLETE	DHT	663153	Spooner Lake - Deep Hole
7/2/2004 9:10	COMPLETE	DHT	663153	Spooner Lake - Deep Hole
7/2/2004 9:15	COMPLETE	DHB	663153	Spooner Lake - Deep Hole
7/2/2004 9:45	COMPLETE	AXT	10037936	Spooner Lake center of south bay
7/2/2004 9:45	COMPLETE	AXT	10037936	Spooner Lake center of south bay
7/2/2004 9:50	COMPLETE	AXB	10037936	Spooner Lake center of south bay
7/12/2004 9:40	COMPLETE	SPOON-DH-T	663153	Spooner Lake - Deep Hole
7/12/2004 9:50	COMPLETE	SPOON-DH-B	663153	Spooner Lake - Deep Hole
7/12/2004 10:35	COMPLETE	SPOON-AX-T	10037936	Spooner Lake center of south bay
7/12/2004 10:45	COMPLETE	SPOON-AX-B	10037936	Spooner Lake center of south bay
7/20/2004 9:25	COMPLETE	DHT	663153	Spooner Lake - Deep Hole
7/20/2004 9:30	COMPLETE	DHB	663153	Spooner Lake - Deep Hole
7/20/2004 10:05	COMPLETE	XT	10037936	Spooner Lake center of south bay
7/20/2004 10:10	COMPLETE	XB	10037936	Spooner Lake center of south bay
7/28/2004 8:45	COMPLETE	SP-T	663153	Spooner Lake - Deep Hole
7/28/2004 8:50	COMPLETE	SP-B	663153	Spooner Lake - Deep Hole
7/28/2004 9:40	COMPLETE	X-B	10037936	Spooner Lake center of south bay
7/29/2004 9:35	COMPLETE	X-T	10037936	Spooner Lake center of south bay
8/12/2004 10:15	COMPLETE	SPN-DH-TOP	663153	Spooner Lake - Deep Hole
8/12/2004 10:30	COMPLETE	SPN-DH-BOM	663153	Spooner Lake - Deep Hole
8/12/2004 10:40	COMPLETE	SPN-DH-MID	663153	Spooner Lake - Deep Hole
8/12/2004 11:10	COMPLETE	SPN-AX-TOP	10037936	Spooner Lake center of south bay
8/12/2004 11:20	COMPLETE	SPN-AX-BOT	10037936	Spooner Lake center of south bay
8/25/2004 10:10	COMPLETE	DHT	663153	Spooner Lake - Deep Hole
8/25/2004 10:20	COMPLETE	DHB	663153	Spooner Lake - Deep Hole

7/27/2024

## Wisconsin Department of Natural Resources SWIMS Project Summary

8/25/2004 11:00	COMPLETE	SPX	10037936	Spooner Lake center of south bay
8/25/2004 11:05	COMPLETE	SPX	10037936	Spooner Lake center of south bay

### Documents

Title	Description	Author	Published	Comments
SPOONER LAKE - PHASE II	Lakes Planning Report	Grant Recipient	12/31/2005	

### Budget

**Combined Budgets:**

**Combined WSLH:**

**Combined Total:**                      \$0.00

### Funding

Organization	Source	Type	Amount	Start Date	End Date
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