

## Wisconsin Department of Natural Resources SWIMS Project Summary

### General Project Information

**Project ID:** LPL-1005-05  
**Name:** THUNDER LAKE CLUB LTD: Thunder Lake Aquatic Plant Mgmt Plan Development  
**Type:** Lakes Grant  
**Subtype:** Large Scale Lake Planning  
**Status:** COMPLETE  
**Start Date:** 04/01/2005  
**End Date:** 06/30/2006  
**Purpose:** The Thunder Lake Association will be updating and revise an initial lake plan done in 1994 along with an aquatic plant management plan to maintain native plant habitat as well as managing Eurasian milfoil in Thunder Lake. The long-term focus of the project is to protect the high quality of Thunder Lake and maintain water quality at Ecoregion values. The watershed land use condition will be evaluated and loading reduction strategies will be explored in order to assist with management programs.

The scope of the project will include as follows:

- a. Characterizing existing water quality conditions and doing a watershed analysis using the WILMS model and the development of a nutrient budget using model simulations for Thunder Lake.
- b. Review past plant surveys and conduct a new plant survey using the transect method as in the past survey.
- c. Conduct a shoreline survey which will include evaluating current buffer strips and evaluate specific approaches to improve shoreline buffer resulting in a shoreland restoration and protection program.
- d. Prepare a comprehensive lake management plan which will include an aquatic plant management plan emphasizing Eurasian milfoil control alternatives.
- e. Set up an information and education program regarding the project and results.
- f. Inventory and evaluate the adequacy of institutional programs affecting the Thunder Lake water quality.
- g. Products and deliverables will include 6 copies of the final report along with a CD and hard copy for the Department, 50 copies of a 4 page lake magazine and 50 copies of a lake poster. The Department should be supplied a copy of each.

**Objective:**

**Comments:** Grantee is THUNDER LAKE CLUB LTD

**Outcome:**

**Study Design:**

**QA Measures:**

### People

Name	Role	Status	Start Date	End Date	Organization	Comments
Thunder Lake P & R Dist,	GRANT_RECIPII	ACTIVE	04/01/2005	06/30/2006	Thunder Lake P & R Dist	

### Project Statuses

Date	Reported By	Status	Comments
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### Actions

Action	Detailed Description	Start	End Date	Status
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Action	Detailed Description	Start	End Date	Status
Grant Awarded	The Thunder Lake Association will be updating and revise an initial lake plan done in 1994 along with an aquatic plant management plan to maintain native plant habitat as well as managing Eurasian milfoil in Thunder Lake. The long-term focus of the project is to protect the high quality of Thunder Lake and maintain water quality at Ecoregion values. The watershed land use condition will be evaluated and loading reduction strategies will be explored in order to assist with management programs.	04/01/2005		COMPLETE
Aquatic Plant Management Plan	10100975	04/01/2005		PROPOSED
Lake Management Plan Development	10100975	04/01/2005		PROPOSED

### Monitoring Stations

Station ID	Name	Comments
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### Assessment Units

WBIC	Segment	Local Name	Official Name
533600	1	Thunder Lake	Thunder 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	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
Lake Management Plan for Thunder Lake, Marinette County, Wisconsin	Lakes Planning Report	Steve McComas, Blue Water Science	06/30/2006	

### Budget

Combined Budgets:  
 Combined SLOH:  
 Combined Total:

### Funding

Organization	Source	Type	Amount	Start Date	End Date
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