

# Wisconsin Department of Natural Resources SWIMS Project Summary

## General Project Information

**Project ID:** LPL-1292-09

**Name:** PINE LAKE P & R DISTRICT: Pine Lake Management Planning Project, Phase 1

**Type:** Lakes Grant

**Subtype:** Large Scale Lake Planning

**Status:** COMPLETE

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

**End Date:** 12/31/2011

**Purpose:** Pine Lake P&R District is sponsoring a 3 phase project to study Pine Lake in Forest County. The project will focus on developing a Lake Management Plan (LMP) for Pine Lake that will include an AIS control plan and a native mechanical harvesting plan. Phases 1 and 2 were funded in this grant cycle (Feb 2009) and Phase 3 will be submitted for funding in August 2009.

Project activities include: 1) Stakeholder participation - kick-off meeting, AIS training, stakeholder survey, planning meetings (up to 2), wrap-up meeting, news release, newsletter article, and progress report; 2) Recruit volunteers and implement a CB/CW program; 3) Annual volunteer AIS monitoring; 4) Water quality sampling (Secchi, P, Chla, N, Conductivity, pH, Alkalinity, Total Suspended solids, Calcium, DO, and temp); 5) Curly-leaf pondweed (CLP) survey and aquatic plant community mapping; 6) Sensitive area delineation; 7) Fisheries assessment; 8) Watershed assessment and P load modeling; 9) Zebra mussel monitoring; 10) Develop LMP (with AIS control and harvesting components).

Project deliverables include: 1) Stakeholder survey, news release, newsletter article, and progress report; 2) Aquatic plant community and watershed maps; 3) Completed entry of inspection Forms 3200-120 and monitoring Forms 3200-124 onto Dept website; 4) Water quality and P modeling data; 5) LMP.

Specific conditions for this project: 1) Draft of stakeholder survey should be submitted to Lakes Management Coordinator for review before sending to public; 2) LMP needs Dept review and approval.

WDNR Lakes Management Coordinator will be provided with an electronic (pdf or word) and hard copy of LMP, stakeholder survey, news release, newsletter article, progress report, data and P modeling from watershed assessment, all GIS data, and all maps from project.

**Objective:**

**Comments:** Grantee is PINE LAKE P & R DISTRICT

**Outcome:**

**Study Design:**

**QA Measures:**

## People

Name	Role	Status	Start Date	End Date	Organization	Comments
Butterfield, Brenton	TEAM_MEMBER	COMPLETE	4/1/2009	12/31/2011	Onterra, LLC	
Cibulka, Dan	TEAM_MEMBER	COMPLETE	4/1/2009	12/31/2011	Onterra, LLC	
Hoyman, Tim	TEAM_MEMBER	COMPLETE	4/1/2009	12/31/2011	Onterra, LLC	
Pine Lake P & R District,	GRANT_RECIPIENT	ACTIVE	4/1/2009	12/31/2011	Pine Lake P & R District	

## Project Statuses

Date	Reported By	Status	Comments
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## Wisconsin Department of Natural Resources SWIMS Project Summary

Actions				
Action	Detailed Description	Start Date	End Date	Status
Monitor Invasive Species		4/1/2009	6/30/2011	PROPOSED
Watershed Mapping or Assessment		4/1/2009	6/30/2011	PROPOSED
Comprehensive Planning Studies	29372248	4/1/2009		PROPOSED
Grant Awarded	<p>Pine Lake P&amp;R District is sponsoring a 3 phase project to study Pine Lake in Forest County. The project will focus on developing a Lake Management Plan (LMP) for Pine Lake that will include an AIS control plan and a native mechanical harvesting plan. Phases 1 and 2 were funded in this grant cycle (Feb 2009) and Phase 3 will be submitted for funding in August 2009.</p> <p>Project activities include: 1) Stakeholder participation - kick-off meeting, AIS training, stakeholder survey, planning meetings (up to 2), wrap-up meeting, news release, newsletter article, and progress report; 2) Recruit volunteers and implement a CB/CW program; 3) Annual volunteer AIS monitoring; 4) Water quality sampling (Secchi, P, Chla, N, Conductivity, pH, Alkalinity, Total Suspended solids, Calcium, DO, and temp); 5) Curly-leaf pondweed (CLP) survey and aquatic plant community mapping; 6) Sensitive area delineation; 7) Fisheries assessment; 8) Watershed assessment and P load modeling; 9) Zebra mussel monitoring; 10) Develop LMP (with AIS control and harvesting components).</p> <p>Project deliverables include: 1) Stakeholder survey, news release, newsletter article, and progress report; 2) Aquatic plant community and watershed maps; 3) Completed entry of inspection Forms 3200-120 and monitoring Forms 3200-124 onto Dept website; 4) Water quality and P modeling data; 5) LMP.</p>	4/1/2009	6/30/2011	COMPLETE
Lake Management Plan Development	29372248	4/1/2009		PROPOSED

### Monitoring Stations

Station ID	Name	Comments
213131	Pine Lake - Deep Hole	

### Assessment Units

WBIC	Segment	Local Name	Official Name
406900	1	Pine Lake	Pine Lake

### Lab Account Codes

Account Code	Description	Start Date	End Date
LM016	Lake Planning Lab Services	1/1/1960	12/31/2099

Wisconsin Department of Natural Resources  
SWIMS Project Summary

LM017	LAKE MANAGEMENT PLANNING GRANTS	1/1/1960	12/31/2099
LM018	LAKE MANAGEMENT PLANNING GRANTS	1/1/1960	12/31/2099

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
4/22/2009 13:00	COMPLETE	PLB	213131	Pine Lake - Deep Hole
6/15/2009 11:00	COMPLETE	PLS	213131	Pine Lake - Deep Hole
7/14/2009 10:00	COMPLETE	PLS	213131	Pine Lake - Deep Hole
8/26/2009 11:00	COMPLETE	AUG	213131	Pine Lake - Deep Hole
11/4/2009 11:15	COMPLETE	PLB	213131	Pine Lake - Deep Hole
11/4/2009 11:15	COMPLETE	PLS	213131	Pine Lake - Deep Hole
2/24/2010 10:00	COMPLETE	PLB	213131	Pine Lake - Deep Hole

Documents

Title	Description	Author	Published	Comments
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Budget

Combined Budgets:

Combined WSLH:

Combined Total: \$0.00

Funding

Organization	Source	Type	Amount	Start Date	End Date
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