

## Wisconsin Department of Natural Resources SWIMS Project Summary

### General Project Information

**Project ID:** LPL-1473-12

**Name:** POLK COUNTY LWRD: Church Pine, Round, & Big Lakes Water Quality & Biological Assessment

**Type:** Lakes Grant

**Subtype:** Large Scale Lake Planning

**Status:** COMPLETE

**Start Date:** 4/1/2012

**End Date:** 12/31/2013

**Purpose:** Polk County is sponsoring a project to assess watershed, water quality, plankton, algae, and shoreline conditions; determine nutrient loads, budget, and model lake response; distribute and analyze a sociological survey; educate public through pontoon classroom and shoreline restoration workshop; develop a lake management plan including public participation/meetings.

The specific project tasks include: 1. Expanded bimonthly water quality monitoring including spring and fall overturn; 2. Tributary water quality and flow monitoring; 3. Daily lake level and precipitation monitoring; 4. Plankton and algae assessment; 5. Shoreline assessment and restoration workshop; 6. Watershed delineation and modeling; 7. Sociological survey; 8. Pontoon classroom; 9. Lake management plan development including public participation/meeting.

Final deliverables include examples of education materials developed; agenda or attendance lists for workshops, planning meetings, and education events; and a single lake management plan that includes methodologies, results, and management alternatives discussion with an implementation plan that is approvable for Lake Protection Grant eligibility.

Special conditions: 1. CLMN efforts shall not be duplicated, and these data shall included in the trends analysis and final reporting; 2. Draft sociological/user surveys must be reviewed and approved by the Department before being initiated; 3. Shoreline inventory methods must be approved by the Department before being initiated.

This scope summarizes the project detail provided in the application and does not negate tasks/deliverables described therein. 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 POLK COUNTY LWRD

**Outcome:**

**Study Design:**

**QA Measures:**

### People

Name	Role	Status	Start Date	End Date	Organization	Comments
Anderson, Katelin	TEAM_MEMBER	COMPLETE	4/1/2012	12/31/2013	Polk County Land and Water Resources Department	
Polk County Land and Water Res	GRANT_RECIPIENT	ACTIVE	4/1/2012		Polk County Land and Water Resources Dept.	

### Project Statuses

Date	Reported By	Status	Comments
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### Actions

## Wisconsin Department of Natural Resources SWIMS Project Summary

Action	Detailed Description	Start Date	End Date	Status
Grant Awarded	<p>Polk County is sponsoring a project to assess watershed, water quality, plankton, algae, and shoreline conditions; determine nutrient loads, budget, and model lake response; distribute and analyze a sociological survey; educate public through pontoon classroom and shoreline restoration workshop; develop a lake management plan including public participation/meetings.</p> <p>The specific project tasks include: 1. Expanded bimonthly water quality monitoring including spring and fall overturn; 2. Tributary water quality and flow monitoring; 3. Daily lake level and precipitation monitoring; 4. Plankton and algae assessment; 5. Shoreline assessment and restoration workshop; 6. Watershed delineation and modeling; 7. Sociological survey; 8. Pontoon classroom; 9. Lake management plan development including public participation/meeting.</p> <p>Final deliverables include examples of education materials developed; agenda or attendance lists for workshops, planning meetings, and education events; and a single lake management plan that includes methodologies, results, and management alternatives discussion with an implementation plan that is approvable for Lake Protection Grant eligibility.</p>	4/1/2012	6/30/2013	PROPOSED
Hold Workshops		4/1/2012	12/31/2013	PROPOSED
Nutrient Budget Development		4/1/2012	12/31/2013	PROPOSED
Social Survey of Residents or Users		4/1/2012	12/31/2013	PROPOSED
Aquatic Plant Monitoring or Survey		4/1/2012	12/31/2013	PROPOSED
Monitor Water Quality or Sediment		4/1/2012	12/31/2013	PROPOSED
Shoreland Monitoring, Assessment, Inventory	Shoreland Monitoring, Assessment or Inventory	4/1/2012	12/31/2013	PROPOSED

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Lake Management Plan Development		4/1/2012	12/31/2013	PROPOSED
Watershed Mapping or Assessment		4/1/2012	12/31/2013	PROPOSED

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Monitor Water Level		4/1/2012	12/31/2013	PROPOSED
Lakes Planning Grant		4/1/2012	12/31/2013	PROPOSED

### Monitoring Stations

Station ID	Name	Comments
493107	Big Lake - Deep Hole	
10039624	Big Lake Access at County Road K near landing	
493108	Church Pine Lake - Deep Hole	
10039623	Forest Creek at Big Lake Outlet	
10039622	North Creek - S of Big Lake Drive	
493116	Wind Lake (Round) - Deep Hole	

### Assessment Units

WBIC	Segment	Local Name	Official Name
2615500	1	Forest Creek	Forest Creek
2615900	1	Big Lake	Big Lake
2616000	1	Wind Lake (Round)	Wind Lake
2616100	1	Church Pine Lake (Pine)	Church Pine Lake
3000162	1	Creek 36-14	Unnamed

## Wisconsin Department of Natural Resources SWIMS Project Summary

Lab Account Codes				
Account Code	Description	Start Date	End Date	
<b>Forms</b>				
Form Code	Form Name			
SECCHI_TEMPDO_PLUS	Lake Monitoring - Secchi, Temp., D.O., pH, Conductivity			
<b>Methods</b>				
Method Code	Method Description			
<b>Fieldwork Events</b>				
Start Date	Status	Field ID	Station ID	Station Name
4/3/2012	COMPLETE		493116	Wind Lake (Round) - Deep Hole
4/3/2012	COMPLETE		493107	Big Lake - Deep Hole
4/3/2012 1:05	COMPLETE		493108	Church Pine Lake - Deep Hole
5/7/2012	COMPLETE		493107	Big Lake - Deep Hole
5/7/2012	COMPLETE		493107	Big Lake - Deep Hole
5/7/2012	COMPLETE		493116	Wind Lake (Round) - Deep Hole
5/7/2012	COMPLETE		493116	Wind Lake (Round) - Deep Hole
5/7/2012	COMPLETE		493108	Church Pine Lake - Deep Hole
5/7/2012 12:00	COMPLETE		493108	Church Pine Lake - Deep Hole
5/21/2012 10:35	COMPLETE		493108	Church Pine Lake - Deep Hole
5/21/2012 11:30	COMPLETE		493116	Wind Lake (Round) - Deep Hole
5/21/2012 12:00	COMPLETE		493107	Big Lake - Deep Hole
6/4/2012	COMPLETE		493108	Church Pine Lake - Deep Hole
6/4/2012	COMPLETE		493108	Church Pine Lake - Deep Hole
6/4/2012	COMPLETE		493107	Big Lake - Deep Hole
6/4/2012	COMPLETE		493107	Big Lake - Deep Hole
6/4/2012	COMPLETE		493116	Wind Lake (Round) - Deep Hole
6/18/2012	COMPLETE		493116	Wind Lake (Round) - Deep Hole
6/18/2012	COMPLETE		493108	Church Pine Lake - Deep Hole
6/18/2012	COMPLETE		493107	Big Lake - Deep Hole
7/9/2012	COMPLETE		493107	Big Lake - Deep Hole
7/9/2012	COMPLETE		493107	Big Lake - Deep Hole
7/9/2012	COMPLETE		493116	Wind Lake (Round) - Deep Hole
7/9/2012	COMPLETE		493108	Church Pine Lake - Deep Hole
7/9/2012 1:15	COMPLETE		493116	Wind Lake (Round) - Deep Hole

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7/9/2012 12:00	COMPLETE		493108	Church Pine Lake - Deep Hole
7/23/2012	COMPLETE		493108	Church Pine Lake - Deep Hole
7/23/2012	COMPLETE		493116	Wind Lake (Round) - Deep Hole
7/23/2012	COMPLETE		493107	Big Lake - Deep Hole
8/6/2012	COMPLETE		493108	Church Pine Lake - Deep Hole
8/6/2012	COMPLETE		493116	Wind Lake (Round) - Deep Hole
8/6/2012	COMPLETE		493108	Church Pine Lake - Deep Hole
8/6/2012	COMPLETE		493107	Big Lake - Deep Hole
8/6/2012	COMPLETE		493116	Wind Lake (Round) - Deep Hole
8/6/2012	COMPLETE		493107	Big Lake - Deep Hole
8/21/2012	COMPLETE		493116	Wind Lake (Round) - Deep Hole
8/21/2012	COMPLETE		493107	Big Lake - Deep Hole
8/21/2012	COMPLETE		493108	Church Pine Lake - Deep Hole
9/5/2012	COMPLETE		493116	Wind Lake (Round) - Deep Hole
9/5/2012	COMPLETE		493108	Church Pine Lake - Deep Hole
9/5/2012	COMPLETE		493116	Wind Lake (Round) - Deep Hole
9/5/2012	COMPLETE		493107	Big Lake - Deep Hole
9/5/2012	COMPLETE		493108	Church Pine Lake - Deep Hole
9/5/2012	COMPLETE		493107	Big Lake - Deep Hole
10/15/2012	COMPLETE		493116	Wind Lake (Round) - Deep Hole
10/15/2012	COMPLETE		493107	Big Lake - Deep Hole
10/15/2012	COMPLETE		493108	Church Pine Lake - Deep Hole

### Documents

Title	Description	Author	Published	Comments
Church Pine, Round (Wind), and Big Lake Management Plan		Polk County Land and Water Resources Department	11/30/2013	

### Budget

**Combined Budgets:**

**Combined WSLH:**

**Combined Total:** \$0.00

### Funding

Organization	Source	Type	Amount	Start Date	End Date
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