

## Wisconsin Department of Natural Resources SWIMS Project Summary

### General Project Information

**Project ID:** LPL-1341-10

**Name:** POLK COUNTY LWRD: Coon Lake Management Study, Phase 2

**Type:** Lakes Grant

**Subtype:** Large Scale Lake Planning

**Status:** COMPLETE

**Start Date:** 4/1/2010

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

**Purpose:** Polk County is sponsoring a two-phase project on Coon Lake to assess watershed, water quality, zooplankton, and aquatic plant conditions; determine nutrient loads and model lake response; distribute and analyze a sociological survey; educate public through library reading program and lake fair; inventory exotic species; coordinate stakeholder participation and planning; develop APM, storm water and lake management plans.

Deliverables will be education materials developed, agendas or attendance lists for workshops, fairs and meetings, and a lake management plan including methodologies, results, and management alternatives discussion with implementation plan. Interim deliverables for each phase include a progress reports including maps, spreadsheets, and collected data.

Phase 2 tasks include: 1) Expanded monthly water quality monitoring at Deep Hole; 2) Spring and fall turn over monitoring; 3) Water quality and flow monitoring on north and south tributaries; 4) Daily lake level and precipitation monitoring; 5) Storm water monitoring at 5 sites for 3 events; 6) Watershed delineation and lake response modeling; 7) Storm water conveyance system review, mapping, modeling, and recommendations; 8) Nutrient budget development; 9) Lake management plan development including public participation/meetings.

Special Conditions: 1) CLMN efforts should not be duplicated, and these data should be included in the trends analysis and final reporting; 2) The sponsor shall immediately contact the DNR if a new Aquatic Invasive Species population is found.

This scope summarizes the 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 DNR in a format specified by the 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	DATA_ENTRY	COMPLETE	4/1/2010	12/31/2011	Polk County Land and Water Resources Department	
Polk County,	GRANT_RECIPIENT	ACTIVE	4/1/2010	12/31/2011	Polk County	

### 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
Aquatic Plant Monitoring or Survey		4/1/2010	6/30/2011	PROPOSED
Grant Awarded	<p>Polk County is sponsoring a two-phase project on Coon Lake to assess watershed, water quality, zooplankton, and aquatic plant conditions; determine nutrient loads and model lake response; distribute and analyze a sociological survey; educate public through library reading program and lake fair; inventory exotic species; coordinate stakeholder participation and planning; develop APM, storm water and lake management plans.</p> <p>Deliverables will be education materials developed, agendas or attendance lists for workshops, fairs and meetings, and a lake management plan including methodologies, results, and management alternatives discussion with implementation plan. Interim deliverables for each phase include a progress reports including maps, spreadsheets, and collected data.</p> <p>Phase 2 tasks include: 1) Expanded monthly water quality monitoring at Deep Hole; 2) Spring and fall turn over monitoring; 3) Water quality and flow monitoring on north and south tributaries; 4) Daily lake level and precipitation monitoring; 5) Storm water monitoring at 5 sites for 3 events; 6) Watershed delineation and lake response modeling; 7) Storm water conveyance system review, mapping, modeling, and recommendations; 8) Nutrient budget development; 9) Lake management plan development including public participation/meetings.</p>	4/1/2010	6/30/2011	COMPLETE
Stormwater Planning, Implementation		4/1/2010	6/30/2011	PROPOSED

Details: Parameter	Value/Amount	Units	Comments
% storm water runoff reduced			
Watershed Mapping or Assessment	34948609	4/1/2010	PROPOSED
Monitor Water Quality or Sediment	34948609	4/1/2010	12/31/2011 COMPLETE
Educate and engage residents	34948609	4/1/2010	PROPOSED
Water Quality Modeling	34948609	4/1/2010	PROPOSED

### Monitoring Stations

Station ID	Name	Comments
493212	Coon Lake - Deep Hole	

### Assessment Units

WBIC	Segment	Local Name	Official Name
2642000	1	Coon Lake	Coon Lake

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### Lab Account Codes

Account Code	Description	Start Date	End Date
LM016	Lake Planning Lab Services	1/1/1960	12/31/2099
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
SECCHI_TEMPDO_PLUS	Lake Monitoring - Secchi, Temp., D.O., pH, Conductivity

### Methods

Method Code	Method Description
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### Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
4/26/2010	COMPLETE		493212	Coon Lake - Deep Hole
5/17/2010	COMPLETE		493212	Coon Lake - Deep Hole
5/28/2010	COMPLETE		493212	Coon Lake - Deep Hole
6/14/2010	COMPLETE		493212	Coon Lake - Deep Hole
6/29/2010	COMPLETE		493212	Coon Lake - Deep Hole
7/19/2010	COMPLETE		493212	Coon Lake - Deep Hole
7/30/2010	COMPLETE		493212	Coon Lake - Deep Hole
8/19/2010	COMPLETE		493212	Coon Lake - Deep Hole
9/3/2010	COMPLETE		493212	Coon Lake - Deep Hole
10/8/2010 14:30	COMPLETE		493212	Coon Lake - Deep Hole

### Documents

Title	Description	Author	Published	Comments
Coon Lake Polk County, Wisconsin		Jeremy Williamson, Katelin Holm, Eric Wojchik, Scott Geddes, P.E.		

### Budget

#### Combined Budgets:

Combined WSLH:

Combined Total: \$0.00

### Funding

Organization	Source	Type	Amount	Start Date	End Date
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