

## Wisconsin Department of Natural Resources SWIMS Project Summary

### General Project Information

**Project ID:** LPL-1468-12  
**Name:** LONG LAKE PROTECTION AND MANAGEMENT DISTRICT: Long Lake Comprehensive Management Plan  
**Type:** Lakes Grant  
**Subtype:** Large Scale Lake Planning  
**Status:** COMPLETE  
**Start Date:** 04/01/2012  
**End Date:** 12/31/2014  
**Purpose:** Long Lake P&R District 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; develop a lake management plan including public participation/meetings.

The specific project tasks include: 1. Expanded water quality monitoring including spring and fall overturn; 2. Lake sediment sampling; 3. Tributary water quality and flow monitoring; 4. Plankton and algae assessment including toxicity analysis; 5. Shoreline assessment and restoration workshop; 6. Shoreline soil samples; 7. Watershed delineation and modeling; 8. Sociological survey; 9. Lake management plan development including public participation/meeting.

The 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 LONG LAKE PROTECTION AND MANAGEMENT DISTRICT  
**Outcome:**  
**Study Design:**  
**QA Measures:**

### People

Name	Role	Status	Start Date	End Date	Organization	Comments
Anderson, Katelin	DATA_ENTRY	COMPLETE	04/01/2012	12/31/2014	Polk County	
Long Lake Protection District	GRANT_RECIPII	ACTIVE	04/01/2012		Long Lake Protection District	
Williamson, Jeremy	TEAM_MEMBER	INACTIVE	04/01/2012	11/04/2019	Polk County	

### Project Statuses

Date	Reported By	Status	Comments
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### Actions

Action	Detailed Description	Start	End Date	Status
Lakes Planning Grant		04/01/2012	12/31/2014	PROPOSED
Monitor Water Quality or Sediment		04/01/2012	12/31/2014	PROPOSED

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Action	Detailed Description	Start	End Date	Status
Grant Awarded	<p>Long Lake P&amp;R District 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; develop a lake management plan including public participation/meetings.</p> <p>The specific project tasks include: 1. Expanded water quality monitoring including spring and fall overturn; 2. Lake sediment sampling; 3. Tributary water quality and flow monitoring; 4. Plankton and algae assessment including toxicity analysis; 5. Shoreline assessment and restoration workshop; 6. Shoreline soil samples; 7. Watershed delineation and modeling; 8. Sociological survey; 9. Lake management plan development including public participation/meeting.</p> <p>The 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>	04/01/2012	12/31/2014	COMPLETE
Monitor or Assess Watershed Condition		04/01/2012	12/31/2014	PROPOSED
Hold Workshops		04/01/2012	12/31/2014	PROPOSED
Watershed Mapping or Assessment		04/01/2012	12/31/2014	PROPOSED
Social Survey of Residents or Users		04/01/2012	12/31/2014	PROPOSED
Shoreland Monitoring, Assessment, Inventory	Shoreland Monitoring, Assessment or Inventory	04/01/2012	12/31/2014	PROPOSED
Informational Meetings		04/01/2012	12/31/2014	PROPOSED
Nutrient Budget Development		04/01/2012	12/31/2014	PROPOSED
Biomonitoring Toxicity Tests	Algal	04/01/2012	12/31/2014	PROPOSED
Lake Management Plan Development		04/01/2012	12/31/2014	PROPOSED
Aquatic Plant Monitoring or Survey		04/01/2012	12/31/2014	PROPOSED

### Monitoring Stations

Station ID	Name	Comments
493102	Long Lake - Deep Hole	
493153	North Ditch Trib To Long Lake -	
493152	South Ditch Trib To Long Lake -	

### Assessment Units

WBIC	Segment	Local Name	Official Name
2478200	1	Long Lake T34n R17w S06	Long Lake

## Wisconsin Department of Natural Resources SWIMS Project Summary

### Lab Account Codes

Account Code	Description	Start Date	End Date
LM020	LAKE MANAGEMENT PLANNING GRANT	04/18/2013	06/30/2014

### Forms

Form Code	Form Name
SECCHI_TEMPDO_PLI	Lake Monitoring - Secchi, Temp., D.O., pH, Conductivity

### Methods

Method Code	Description
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### Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
05/07/2012 09:50	COMPLETE	LNG-MY1BOT	493102	Long Lake - Deep Hole
05/07/2012 10:00	COMPLETE	LNG-MY1SUR	493102	Long Lake - Deep Hole
05/15/2012 11:35	COMPLETE		493102	Long Lake - Deep Hole
05/21/2012 15:00	COMPLETE	LNG-MY2SUR	493102	Long Lake - Deep Hole
05/21/2012 15:22	COMPLETE	LNG-MY2BOT	493102	Long Lake - Deep Hole
05/24/2012 11:00	COMPLETE	LG-NDITCH1	493153	North Ditch Trib To Long Lake -
05/24/2012 11:00	COMPLETE	LG-SDITCH1	493152	South Ditch Trib To Long Lake -
05/28/2012 07:35	COMPLETE	LG-SDITCH2	493152	South Ditch Trib To Long Lake -
05/28/2012 08:00	COMPLETE	LG-NDITCH2	493153	North Ditch Trib To Long Lake -
06/04/2012 03:18	COMPLETE	LNG-JN1SUR	493102	Long Lake - Deep Hole
06/04/2012 03:20	COMPLETE	LNG-JN1BOT	493102	Long Lake - Deep Hole
06/11/2012	COMPLETE		493102	Long Lake - Deep Hole
06/14/2012 10:00	COMPLETE	LG-NDITCH3	493153	North Ditch Trib To Long Lake -
06/14/2012 10:00	COMPLETE	LG-SDITCH3	493152	South Ditch Trib To Long Lake -
06/16/2012 16:00	COMPLETE	LG-NDITCH4	493153	North Ditch Trib To Long Lake -
06/16/2012 16:00	COMPLETE	LG-SDITCH4	493152	South Ditch Trib To Long Lake -
06/18/2012 14:00	COMPLETE	LNG-JN2SUR	493102	Long Lake - Deep Hole
06/18/2012 14:05	COMPLETE	LNG-JN2BOT	493102	Long Lake - Deep Hole
06/25/2012	COMPLETE		493102	Long Lake - Deep Hole
07/02/2012 15:00	COMPLETE	LNG-JL1BOT	493102	Long Lake - Deep Hole
07/02/2012 15:05	COMPLETE	LNG-JL1SUR	493102	Long Lake - Deep Hole
07/10/2012 14:10	COMPLETE	LNG-JL2SUR	493102	Long Lake - Deep Hole
07/10/2012 14:20	COMPLETE	LNG-JL2BOT	493102	Long Lake - Deep Hole
07/13/2012 18:00	COMPLETE	LG-NDITCH5	493153	North Ditch Trib To Long Lake -
07/13/2012 18:00	COMPLETE	LG-SDITCH5	493152	South Ditch Trib To Long Lake -
07/18/2012 10:00	COMPLETE	LG-NDITCH6	493153	North Ditch Trib To Long Lake -
07/18/2012 10:00	COMPLETE	LG-SDITCH6	493152	South Ditch Trib To Long Lake -
07/19/2012	COMPLETE		493102	Long Lake - Deep Hole
07/19/2012 14:15	COMPLETE	LNG-JL3SUR	493102	Long Lake - Deep Hole
07/19/2012 14:20	COMPLETE	LNG-JL3BOT	493102	Long Lake - Deep Hole
07/24/2012	COMPLETE		493102	Long Lake - Deep Hole
07/24/2012 03:00	COMPLETE	LNG-JL4BOT	493102	Long Lake - Deep Hole
07/24/2012 03:20	COMPLETE	LNG-JL4SUR	493102	Long Lake - Deep Hole
08/01/2012	COMPLETE		493102	Long Lake - Deep Hole
08/01/2012 14:00	COMPLETE	LNG-JL5SUR	493102	Long Lake - Deep Hole
08/01/2012 14:20	COMPLETE	LNG-JL5BOT	493102	Long Lake - Deep Hole

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Start Date	Status	Field ID	Station ID	Station Name
08/09/2012	COMPLETE		493102	Long Lake - Deep Hole
08/09/2012 10:00	COMPLETE	LNG-AG1BOT	493102	Long Lake - Deep Hole
08/09/2012 10:00	COMPLETE	LNG-AG1SUR	493102	Long Lake - Deep Hole
08/16/2012	COMPLETE		493102	Long Lake - Deep Hole
08/16/2012 11:55	COMPLETE	LNG-AG2BOT	493102	Long Lake - Deep Hole
08/16/2012 11:55	COMPLETE	LNG-AG2SUR	493102	Long Lake - Deep Hole
08/23/2012 14:00	COMPLETE	LNG-AG3SUR	493102	Long Lake - Deep Hole
08/23/2012 14:25	COMPLETE		493102	Long Lake - Deep Hole
08/23/2012 14:40	COMPLETE	LNG-AG3BOT	493102	Long Lake - Deep Hole
08/28/2012 14:00	COMPLETE	LNG-AG4SUR	493102	Long Lake - Deep Hole
08/28/2012 14:00	COMPLETE		493102	Long Lake - Deep Hole
08/28/2012 14:10	COMPLETE	LNG-AG4BOT	493102	Long Lake - Deep Hole
09/10/2012	COMPLETE		493102	Long Lake - Deep Hole
09/10/2012 14:00	COMPLETE	LNG-SP1SUR	493102	Long Lake - Deep Hole
09/10/2012 15:00	COMPLETE	LNG-SP1BOT	493102	Long Lake - Deep Hole
09/13/2012	COMPLETE		493102	Long Lake - Deep Hole
09/13/2012 09:00	COMPLETE	LNG-SP2SUR	493102	Long Lake - Deep Hole
09/13/2012 09:55	COMPLETE	LNG-SP2BOT	493102	Long Lake - Deep Hole
09/18/2012	COMPLETE		493102	Long Lake - Deep Hole
09/18/2012 11:20	COMPLETE	LNG-SP3SUR	493102	Long Lake - Deep Hole
09/18/2012 11:25	COMPLETE	LNG-SP3BOT	493102	Long Lake - Deep Hole

### Documents

Title	Description	Author	Published	Comments
Long Lake Lake Management Plan		Polk County Land and Water Resources Department; Harmony Environmental	10/01/2013	

### Budget

**Combined Budgets:**  
**Combined SLOH:**  
**Combined Total:**

### Funding

Organization	Source	Type	Amount	Start Date	End Date
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