

Wisconsin Department of Natural Resources  
SWIMS Project Summary

General Project Information

**Project ID:** LPL-1521-13

**Name:** CALUMET COUNTY: CalMan Lakes Watershed Plan Phase 1

**Type:** Lakes Grant

**Subtype:** Large Scale Lake Planning

**Status:** COMPLETE

**Start Date:** 4/1/2013

**End Date:** 12/31/2014

**Purpose:** Calumet County Resource Management Department proposes to collect baseline data for the four lakes situated along the Calumet/Manitowoc County boarder which includes Round, Becker, Boot, and Long Lakes. The project will be divided into several phases which will ultimately result in a comprehensive lake management and implementation plan for these lakes. Phase 1 will include:

- 1. Intensive water quality monitoring to assess baseline conditions of each lake.
- 2. Watershed assessment review to verify watershed boundaries, update general land use and perform basic predictive modeling.
- 3. Assess the aquatic plant community utilizing early-season aquatic invasive species survey, point-intercept survey, and aquatic plant community mapping.
- 4. Provide for stakeholder participation and education by holding a kickoff meeting and two project update meetings.
- 5. Generate annual project reports describing the project studies and data interpretations as well as intentions for further studies.

The project elements and deliverables are specified in the grant application materials submitted to the Department dated February 1, 2013.

**Objective:**

**Comments:** Grantee is CALUMET COUNTY

**Outcome:**

**Study Design:**

**QA Measures:**

People						
Name	Role	Status	Start Date	End Date	Organization	Comments
Calumet County,	GRANT_RECIPIENT	ACTIVE	6/28/2013		Calumet County	
Castellanos, Emily	TEAM_MEMBER	ACTIVE	12/19/2013		Onterra, LLC	
Cibulka, Dan	TEAM_MEMBER	ACTIVE	11/6/2013		Onterra, LLC	
Hanke, Todd	TEAM_MEMBER	ACTIVE	2/26/2014		Onterra, LLC	
Hoyman, Tim	TEAM_MEMBER	ACTIVE	11/6/2013		Onterra, LLC	
Santry, Danielle R	TEAM_MEMBER	COMPLETE	11/6/2013	5/11/2022	Calumet County	
Sengbusch, Robert	TEAM_MEMBER	ACTIVE	11/6/2013			

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
Lakes Planning Grant		4/1/2013	12/31/2014	PROPOSED
Monitor Water Quality or Sediment		4/1/2013	12/31/2014	PROPOSED
Informational Meetings		4/1/2013	12/31/2014	PROPOSED
Water Quality Modeling		4/1/2013	12/31/2014	PROPOSED
Map Invasive Species		4/1/2013	12/31/2014	PROPOSED
Grant Awarded	<p>Calumet County Resource Management Department proposes to collect baseline data for the four lakes situated along the Calumet/Manitowoc County boarder which includes Round, Becker, Boot, and Long Lakes. The project will be divided into several phases which will ultimately result in a comprehensive lake management and implementation plan for these lakes. Phase 1 will include:</p> <ol style="list-style-type: none"> <li>1. Intensive water quality monitoring to assess baseline conditions of each lake.</li> <li>2. Watershed assessment review to verify watershed boundaries, update general land use and perform basic predictive modeling.</li> <li>3. Assess the aquatic plant community utilizing early-season aquatic invasive species survey, point-intercept survey, and aquatic plant community mapping.</li> <li>4. Provide for stakeholder participation and education by holding a kickoff meeting and two project update meetings.</li> </ol>	4/1/2013	12/31/2014	COMPLETE
Grant Awarded	<p>Calumet County Resource Management Department proposes to collect baseline data for the four lakes situated along the Calumet/Manitowoc County boarder which includes Round, Becker, Boot, and Long Lakes. The project will be divided into several phases which will ultimately result in a comprehensive lake management and implementation plan for these lakes. Phase 1 will include:</p> <ol style="list-style-type: none"> <li>1. Intensive water quality monitoring to assess baseline conditions of each lake.</li> <li>2. Watershed assessment review to verify watershed boundaries, update general land use and perform basic predictive modeling.</li> <li>3. Assess the aquatic plant community utilizing early-season aquatic invasive species survey, point-intercept survey, and aquatic plant community mapping.</li> <li>4. Provide for stakeholder participation and education by holding a kickoff meeting and two project update meetings.</li> </ol>	4/1/2013	12/31/2014	COMPLETE

## Wisconsin Department of Natural Resources SWIMS Project Summary

Grant Awarded	Calumet County Resource Management Department proposes to collect baseline data for the four lakes situated along the Calumet/Manitowoc County boarder which includes Round, Becker, Boot, and Long Lakes. The project will be divided into several phases which will ultimately result in a comprehensive lake management and implementation plan for these lakes. Phase 1 will include: 1. Intensive water quality monitoring to assess baseline conditions of each lake. 2. Watershed assessment review to verify watershed boundaries, update general land use and perform basic predictive modeling. 3. Assess the aquatic plant community utilizing early-season aquatic invasive species survey, point-intercept survey, and aquatic plant community mapping. 4. Provide for stakeholder participation and education by holding a kickoff meeting and two project update meetings.	4/1/2013	12/31/2014	COMPLETE
Watershed Mapping or Assessment		4/1/2013	12/31/2014	PROPOSED
Project Deliverable	Generate annual project reports describing the project studies and data interpretations as well as intentions for further studies.	4/1/2013	12/31/2014	PROPOSED
Grant Awarded	Calumet County Resource Management Department proposes to collect baseline data for the four lakes situated along the Calumet/Manitowoc County boarder which includes Round, Becker, Boot, and Long Lakes. The project will be divided into several phases which will ultimately result in a comprehensive lake management and implementation plan for these lakes. Phase 1 will include: 1. Intensive water quality monitoring to assess baseline conditions of each lake. 2. Watershed assessment review to verify watershed boundaries, update general land use and perform basic predictive modeling. 3. Assess the aquatic plant community utilizing early-season aquatic invasive species survey, point-intercept survey, and aquatic plant community mapping. 4. Provide for stakeholder participation and education by holding a kickoff meeting and two project update meetings.	4/1/2013	12/31/2014	COMPLETE
Aquatic Plant Monitoring or Survey		4/1/2013	12/31/2014	PROPOSED
Information and Education		4/1/2013	12/31/2014	PROPOSED

### Monitoring Stations

Station ID	Name	Comments
083044	Beckers Lake - Deepest Part	
083043	Boot Lake - Deepest Part	
363310	Long Lake - Deep Hole	

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083033	Round Lake - Deep Hole	
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Assessment Units

WBIC	Segment	Local Name	Official Name
68600	1	Round Lake	Round Lake
77300	1	Becker Lake	Becker Lake
77500	1	Long Lake (Big Long)	Long Lake
77600	1	Boot Lake	Boot 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	Method Description
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Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
5/1/2013 9:15	COMPLETE	LLB	363310	Long Lake - Deep Hole
5/1/2013 9:15	COMPLETE	SLS	363310	Long Lake - Deep Hole
5/1/2013 10:00	COMPLETE	KLS	083033	Round Lake - Deep Hole
5/1/2013 10:00	COMPLETE	RLB	083033	Round Lake - Deep Hole
5/1/2013 11:15	COMPLETE	BOLB	083043	Boot Lake - Deepest Part
5/1/2013 11:15	COMPLETE	BOLS	083043	Boot Lake - Deepest Part
5/1/2013 12:35	COMPLETE	BELB	083044	Beckers Lake - Deepest Part
5/1/2013 12:35	COMPLETE	BELS	083044	Beckers Lake - Deepest Part
6/19/2013 12:45	COMPLETE	BOLB	083043	Boot Lake - Deepest Part
6/19/2013 12:45	COMPLETE	MCLS	083043	Boot Lake - Deepest Part
6/20/2013 12:00	COMPLETE	CATLS	363310	Long Lake - Deep Hole
6/20/2013 12:00	COMPLETE	LLB	363310	Long Lake - Deep Hole
6/20/2013 13:00	COMPLETE	RLB	083033	Round Lake - Deep Hole
6/20/2013 13:00	COMPLETE	SLS	083033	Round Lake - Deep Hole
6/20/2013 14:00	COMPLETE	BELB	083044	Beckers Lake - Deepest Part
6/20/2013 14:00	COMPLETE	MPLS	083044	Beckers Lake - Deepest Part
7/17/2013 12:00	COMPLETE	LLB	363310	Long Lake - Deep Hole
7/17/2013 12:00	COMPLETE	LLS	363310	Long Lake - Deep Hole
7/17/2013 12:45	COMPLETE	RLB	083033	Round Lake - Deep Hole

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7/17/2013 12:45	COMPLETE	RLS	083033	Round Lake - Deep Hole
7/17/2013 14:00	COMPLETE	BELB	083044	Beckers Lake - Deepest Part
7/17/2013 14:00	COMPLETE	BELS	083044	Beckers Lake - Deepest Part
7/18/2013 10:00	COMPLETE	BOLB	083043	Boot Lake - Deepest Part
7/18/2013 10:00	COMPLETE	BOLS	083043	Boot Lake - Deepest Part
8/19/2013 12:00	COMPLETE	LLB	363310	Long Lake - Deep Hole
8/19/2013 12:00	COMPLETE	LLS	363310	Long Lake - Deep Hole
8/19/2013 12:45	COMPLETE	BELB	083044	Beckers Lake - Deepest Part
8/19/2013 12:45	COMPLETE	RLB	083033	Round Lake - Deep Hole
8/19/2013 12:45	COMPLETE	RLS	083033	Round Lake - Deep Hole
8/19/2013 13:45	COMPLETE	BELS	083044	Beckers Lake - Deepest Part
8/20/2013 11:00	COMPLETE	BOLB	083043	Boot Lake - Deepest Part
8/20/2013 11:00	COMPLETE	BOLS	083043	Boot Lake - Deepest Part
9/10/2013 10:30	COMPLETE	BOLS	083043	Boot Lake - Deepest Part
9/10/2013 10:30	COMPLETE	BOOT	083043	Boot Lake - Deepest Part
9/10/2013 11:45	COMPLETE	RLS	083033	Round Lake - Deep Hole
9/10/2013 11:45	COMPLETE	ROUND	083033	Round Lake - Deep Hole
9/10/2013 13:00	COMPLETE	BECKER	083044	Beckers Lake - Deepest Part
9/10/2013 13:00	COMPLETE	BELS	083044	Beckers Lake - Deepest Part
10/17/2013 12:00	COMPLETE	BLS	083044	Beckers Lake - Deepest Part
10/17/2013 12:10	COMPLETE	BELB	083044	Beckers Lake - Deepest Part
10/17/2013 12:30	COMPLETE	LLB	363310	Long Lake - Deep Hole
10/17/2013 12:30	COMPLETE	LLB	363310	Long Lake - Deep Hole
10/17/2013 12:30	COMPLETE	LLS	363310	Long Lake - Deep Hole
10/17/2013 13:20	COMPLETE	RLB	083033	Round Lake - Deep Hole
10/17/2013 13:20	COMPLETE	RLB	083033	Round Lake - Deep Hole
10/17/2013 13:20	COMPLETE	RLS	083033	Round Lake - Deep Hole
10/17/2013 13:20	COMPLETE	RLS	083033	Round Lake - Deep Hole
10/21/2013 12:10	COMPLETE	BOLB	083043	Boot Lake - Deepest Part
10/21/2013 12:10	COMPLETE	CLS	083043	Boot Lake - Deepest Part
2/12/2014 9:34	COMPLETE	RLB	083033	Round Lake - Deep Hole
2/12/2014 9:34	COMPLETE	RLS	083033	Round Lake - Deep Hole
2/12/2014 10:35	COMPLETE	BOLB	083043	Boot Lake - Deepest Part
2/12/2014 10:35	COMPLETE	BOLS	083043	Boot Lake - Deepest Part
2/12/2014 11:38	COMPLETE	LLB	363310	Long Lake - Deep Hole

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2/12/2014 11:38	COMPLETE	LLS	363310	Long Lake - Deep Hole
2/12/2014 12:37	COMPLETE	BELB	083044	Beckers Lake - Deepest Part
2/12/2014 12:37	COMPLETE	BELS	083044	Beckers Lake - Deepest Part
2/11/2015 13:00	COMPLETE	RLB	083033	Round Lake - Deep Hole
2/11/2015 13:00	COMPLETE	RLS	083033	Round Lake - Deep Hole
2/11/2015 14:08	COMPLETE	BOLB	083043	Boot Lake - Deepest Part
2/11/2015 14:08	COMPLETE	BOLS	083043	Boot Lake - Deepest Part

### Documents

Title	Description	Author	Published	Comments
CalMan Lakes - Calumet and Manitowoc Counties - Watershed Management Planning Project - Phase I Report - May 2015 [Maps]		Dan Cibulka and Tim Hoyman, Onterra, LLC	5/1/2015	
CalMan Lakes - Calumet and Manitowoc Counties, Wisconsin - Watershed Management Planning Project - Phase I Report - May 2015	Final Report of phase I of the CalMan Lakes Watershed Management Planning Project	Dan Cibulka and Tim Hoyman, Onterra, LLC	5/1/2015	
CalMan Lakes - Calumet and Manitowoc Counties, Wisconsin - Watershed Management Planning Project - Phase I Report - May 2015 [Appendices]		Dan Cibulka and Tim Hoyman, Onterra, LLC	5/1/2015	
CalMan Lakes - Watershed Management Plan 2014-2016 - Phase I Summary [Presentation]	This document is a companion piece to the CalMan Lakes Watershed Management Planning Project Phase I Report. The purpose of this document is to provide decision makers, stakeholders and the general public a guide to the information and recommendations identified in Phase I Report. Grant LPL&#8208;1521&#8208;13	Onterra, LLC	12/1/2014	
CalMan Lakes Phase I LMP Approval Letter	Approval letter for the CalMan Lakes Watershed Management Planning Project Phase I.	Mary Gansberg	1/22/2015	

### Budget

**Combined Budgets:**

**Combined WSLH:**

**Combined Total:** \$0.00

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Funding					
Organization	Source	Type	Amount	Start Date	End Date