

## Wisconsin Department of Natural Resources SWIMS Project Summary

### General Project Information

**Project ID:** LPL-1393-11  
**Name:** TOWN OF BLACKWELL: Algal & Water Quality Assessment & Aquatic Plant Survey for Bear Lake, Forest Co., Phase 4  
**Type:** Lakes Grant  
**Subtype:** Large Scale Lake Planning  
**Status:** COMPLETE  
**Start Date:** 10/01/2010  
**End Date:** 06/30/2012  
**Purpose:** The Town of Blackwell is sponsoring phased lake planning project to study Bear Lake, in Forest County. Phases 1 and 2 were funded during the February 2010 grant cycle, and phases 3 and 4 were funded in August 2010. Phases 1 and 2 covered year 1 costs, while phases 3 and 4 cover year 2 project costs. Project partners include the US Forest Service and UW-Stevens Point. The project will focus on developing a Lake Management Plan (LMP) for Bear Lake.

Phase 4 project activities include: 1) Algal assessment; 2) Information and Education activities \2013 two planning meetings; 3) Water quality sampling and analysis; 4) Develop hydrologic and phosphorous budget; 5) Crayfish monitoring; 6) Point-intercept (PI) aquatic plant survey; 7) Historic records survey; 8) Develop LMP.

Project deliverables include: 1) Water chemistry, algae, crayfish, and PI data; 2) Hydrologic and Phosphorous budget; 3) LMP.

Specific conditions for this project: LMP needs Dept review and approval.

WDNR Lakes Management Coordinator will be provided with an electronic (pdf or word) and hard copy of LMP, data from water quality, algae sampling PI, and crayfish monitoring, all maps from project, and all GIS data.

**Objective:**

**Comments:** Grantee is TOWN OF BLACKWELL

**Outcome:**

**Study Design:**

**QA Measures:**

### People

Name	Role	Status	Start Date	End Date	Organization	Comments
Town of Blackwell,	GRANT_RECIPII	ACTIVE	10/01/2010	06/30/2012	Town of Blackwell	

### Project Statuses

Date	Reported By	Status	Comments
------	-------------	--------	----------

### Actions

Action	Detailed Description	Start	End Date	Status
Monitor Invasive Species		10/01/2010	06/30/2012	PROPOSED
Nutrient Budget Development		10/01/2010	06/30/2012	PROPOSED
Lakes Planning Grant		10/01/2010	06/30/2012	PROPOSED
Monitor Water Quality or Sediment		10/01/2010	06/30/2012	PROPOSED
Aquatic Plant Monitoring or Survey		10/01/2010	06/30/2012	PROPOSED
Lake Management Plan Development		10/01/2010	06/30/2012	PROPOSED

## Wisconsin Department of Natural Resources SWIMS Project Summary

Action	Detailed Description	Start	End Date	Status
Grant Awarded	<p>The Town of Blackwell is sponsoring phased lake planning project to study Bear Lake, in Forest County. Phases 1 and 2 were funded during the February 2010 grant cycle, and phases 3 and 4 were funded in August 2010. Phases 1 and 2 covered year 1 costs, while phases 3 and 4 cover year 2 project costs. Project partners include the US Forest Service and UW-Stevens Point. The project will focus on developing a Lake Management Plan (LMP) for Bear Lake.</p> <p>Phase 4 project activities include: 1) Algal assessment; 2) Information and Education activities \2013 two planning meetings; 3) Water quality sampling and analysis; 4) Develop hydrologic and phosphorous budget; 5) Crayfish monitoring; 6) Point-intercept (PI) aquatic plant survey; 7) Historic records survey; 8) Develop LMP.</p>	10/01/2010	06/30/2012	COMPLETE

### Monitoring Stations

Station ID	Name	Comments
10034344	Bear Creek - outflow from Bear Lake	
213186	Bear Lake - Deep Hole	
10034348	Bear Lake - North Hole	
10034341	Shabodock Creek - Bear Lake Lane crossing	
10034343	Shabodock Creek - upstream of Station ID 10034341	
10034342	Shabodock Creek - upstream of Station ID 10034343	

### Assessment Units

WBIC	Segment	Local Name	Official Name
552100	1	Bear Lake	Bear Lake
552200	1	Shabodock Creek	Shabodock Creek
5520343	1	Local Water	Unnamed

### Lab Account Codes

Account Code	Description	Start Date	End Date
LM016	Lake Planning Lab Services	01/01/1960	12/31/2099
LM017	LAKE MANAGEMENT PLANNING GRANT	01/01/1960	12/31/2099
LM018	LAKE MANAGEMENT PLANNING GRANT	01/01/1960	12/31/2099

### Forms

Form Code	Form Name
-----------	-----------

### Methods

Method Code	Description
-------------	-------------

### Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
------------	--------	----------	------------	--------------

## Wisconsin Department of Natural Resources SWIMS Project Summary

### Documents

Title	Description	Author	Published	Comments
Algal and Water Quality Assessment and Strategic Plan for Bear Lake, Forest County, Wisconsin Final Report 2012	Bear Lake final report to the Town of Blackwell, includes maps, tables, graphs, photos, and diagrams.	N. Bell, N. Feiten, C. Koeller, H. Templar, N. Turyk	07/15/2012	
Lab Result Summary 1 of 2 for Bear Lake, Forest County	The first of two excel spreadsheets containing raw lab data from the Algal and Water Quality Assessment and Strategic Plan for Bear Lake, Forest County.	Nancy Turyk	01/01/2011	
Lab Result Summary 2 of 2 for Bear Lake, Forest County	Second of Two excel spreadsheets containing raw lab data from associated with the Algal and Water Quality Assessment and Strategic Plan for Bear Lake in Forest County	Nicole Feiten	01/01/2011	
Lake Management Plan for Bear Lake, Forest County, Wisconsin	The purpose of this lake management plan is to provide guidance to protect current conditions that are desirable, address existing problems, and prevent future problems to the Bear Lake ecosystem. This plan was developed by a group of citizens, the US Forest Service, and the Town of Blackwell in April 2012.	Turyk, N, R. Bell, N. Feiten, H. Templar	06/01/2013	
Sampling Site Locations, Bear Lake, Forest County	Spreadsheet with data on sampling sites for the Algal and Water Quality Assessment and Strategic Plan for Bear Lake, Forest County.	Nancy Turyk	09/08/2011	

### Budget

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

### Funding

Organization	Source	Type	Amount	Start Date	End Date
--------------	--------	------	--------	------------	----------