

## Wisconsin Department of Natural Resources SWIMS Project Summary

### General Project Information

**Project ID:** LPL-1440-11

**Name:** TOWN OF BLACKWELL: Algal & Water Quality Assessment & Aquatic Plant Survey for Bear Lake Forest County, Phase 6

**Type:** Lakes Grant

**Subtype:** Large Scale Lake Planning

**Status:** COMPLETE

**Start Date:** 4/1/2011

**End Date:** 6/30/2013

**Purpose:** The Town of Blackwell is sponsoring a phased large scale lake planning grant project to study Bear Lake in Forest County. Phases 1 and 2 were funded during the February 2010 grant cycle, phases 3 and 4 were funded in August 2010, and Phases 5 and 6 were funded in February 2011. 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 6 project activities include: 1) Algal assessment; 2) Information and education activities and planning meetings; 3) Water quality sampling and analysis; 4) Develop hydrologic and phosphorous budget; 5) Crayfish and aquatic plant monitoring; 6) Develop LMP.

Project deliverables include: 1) Water chemistry, algae, crayfish, and aquatic plant 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) copy of LMP, data from water quality, algae sampling, and crayfish and aquatic plant 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_RECIPIENT	ACTIVE	4/1/2011		Town of Blackwell	

### Project Statuses

Date	Reported By	Status	Comments
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### Actions

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Action	Detailed Description	Start Date	End Date	Status
Grant Awarded	<p>The Town of Blackwell is sponsoring a phased large scale lake planning grant project to study Bear Lake in Forest County. Phases 1 and 2 were funded during the February 2010 grant cycle, phases 3 and 4 were funded in August 2010, and Phases 5 and 6 were funded in February 2011. 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 6 project activities include: 1) Algal assessment; 2) Information and education activities and planning meetings; 3) Water quality sampling and analysis; 4) Develop hydrologic and phosphorous budget; 5) Crayfish and aquatic plant monitoring; 6) Develop LMP.</p> <p>Project deliverables include: 1) Water chemistry, algae, crayfish, and aquatic plant data; 2) Hydrologic and Phosphorous budget; 3) LMP.</p>	4/1/2011	6/30/2012	COMPLETE
Lake Management Plan Development		4/1/2011	6/30/2012	IN_PROGRESS
Grant Awarded	<p>The Town of Blackwell is sponsoring a phased large scale lake planning grant project to study Bear Lake in Forest County. Phases 1 and 2 were funded during the February 2010 grant cycle, phases 3 and 4 were funded in August 2010, and Phases 5 and 6 were funded in February 2011. 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 6 project activities include: 1) Algal assessment; 2) Information and education activities and planning meetings; 3) Water quality sampling and analysis; 4) Develop hydrologic and phosphorous budget; 5) Crayfish and aquatic plant monitoring; 6) Develop LMP.</p> <p>Project deliverables include: 1) Water chemistry, algae, crayfish, and aquatic plant data; 2) Hydrologic and Phosphorous budget; 3) LMP.</p>	4/1/2011		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	Shabadock Creek - Bear Lake Lane crossing	
10034343	Shabadock Creek - upstream of Station ID 10034341	

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10034342	Shabodock Creek - upstream of Station ID 10034343	
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### Assessment Units

WBIC	Segment	Local Name	Official Name
498700	1	Big Cub Lake	Big Cub Lake
499200	1	Camp Six Lake	Camp Six Lake
502200	1	Little Cub Lake	Little Cub Lake
510600	1	Un Lake	Unnamed
510700	1	Un Lake	Unnamed
513400	1	Un Lake	Unnamed
515500	4	Peshtigo River	Peshtigo River
550600	2	Rat River	Rat River
551900	1	Bear Creek	Bear Creek
552100	1	Bear Lake	Bear Lake
552200	1	Shabodock Creek	Shabodock Creek
552300	1	Un Spring	Un Spring
552400	1	Un Spring	Un Spring
552500	1	Un Spring	Un Spring
552700	1	Un Spring	Un Spring
553000	1	Un Spring	Un Spring
553100	1	Un Spring	Un Spring
553200	1	Shabodock Lake	Shabodock Lake
553300	1	Stoney Creek	Stoney Creek
553400	1	Spencer Creek	Spencer Creek
553800	1	Kazmier Lake	Kazmier Lake
554100	1	Kokots Creek	Kokots Creek
560200	1	Halley Creek	Halley Creek
560200	2	Halley Creek	Halley Creek
560800	1	Un Spring	Un Spring
560900	1	Un Spring	Un Spring
561100	1	Michigan Creek	Michigan Creek
561200	1	Armstrong Creek	Armstrong Creek
561350	1	Local Water	Unnamed
561600	1	Revolver Lake	Revolver Lake
563800	1	Un Spring	Un Spring
566300	1	Rock Creek	Rock Creek

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566300	3	Unnamed Creek 20-9	Rock Creek
566400	1	Creek 28-6	Unnamed
566600	1	Un Spring	Un Spring
567000	1	Un Lake	Unnamed
567300	1	Creek 25-4a	Unnamed
567500	1	Un Spring	Un Spring
567600	1	Un Spring	Un Spring
567800	1	Coldwater Creek	Coldwater Creek
568500	1	Catwillow Creek	Catwillow Creek
586000	1	Goose Lake	Goose Lake
3000172	1	Rock Creek	Unnamed
5517768	1	Local Water	Unnamed
5517777	1	Local Water	Unnamed
5518540	1	Local Water	Unnamed
5518614	1	Local Water	Unnamed
5520004	1	Ccc Pond	Unnamed
5520145	1	Local Water	Unnamed
5520343	1	Local Water	Unnamed
5520387	1	Local Water	Unnamed

### 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
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### 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	7/15/2012	

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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	1/1/2011	
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	1/1/2011	
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	6/1/2013	
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	9/8/2011	

### Budget

**Combined Budgets:**
**Combined WSLH:**
**Combined Total:**                    \$0.00

### Funding

Organization	Source	Type	Amount	Start Date	End Date
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