

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: LPL-1458-12
Name: POTATO LAKE ASSOCIATION INC.: Phase 3, Potato Lake Comprehensive Lake Management Plan
Type: Lakes Grant
Subtype: Large Scale Lake Planning
Status: COMPLETE
Start Date: 10/01/2011
End Date: 12/31/2013
Purpose: Potato Lake Association is sponsoring a project that expands their Aquatic Plant Management planning efforts to create a comprehensive lake management and implementation plan. The final deliverable will be a lake management plan that includes specific implementation strategies/practices.

Project tasks include: 1) Shoreline assessment; 2) Expanded groundwater, tributary, and in-lake, including internal loading, monitoring and modeling to develop nutrient budget; 3) Septic system survey; 4) Agricultural and residential BMP planning; 5) Education plan outreach and implementation, including watercraft inspection, AIS monitoring, and lake fair; 6) Lake management planning and final presentation and report.

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 POTATO LAKE ASSOCIATION INC.
Outcome:
Study Design:
QA Measures:

People

Name	Role	Status	Start Date	End Date	Organization	Comments
Adler, Joseph	TEAM_MEMBER	ACTIVE	10/01/2011		Potato Lake Association	
Bonner, Ken	TEAM_MEMBER	ACTIVE	09/12/2012			
Bonner, Mary Jo	TEAM_MEMBER	ACTIVE	09/12/2012			
McCabe, Larry	TEAM_MEMBER	ACTIVE	10/01/2011			
Potato Lake Association,	GRANT_RECIPII	ACTIVE	10/01/2011		Potato Lake Association	

Project Statuses

Date	Reported By	Status	Comments
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Actions

Action	Detailed Description	Start	End Date	Status
Comprehensive Planning Studies		10/01/2011	06/30/2013	IN_PROGRESS
Lake Management Plan Development		10/01/2011	06/30/2013	IN_PROGRESS
Nutrient Budget Development		10/01/2011	06/30/2013	IN_PROGRESS

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Action	Detailed Description	Start	End Date	Status
Grant Awarded	<p>Potato Lake Association is sponsoring a project that expands their Aquatic Plant Management planning efforts to create a comprehensive lake management and implementation plan. The final deliverable will be a lake management plan that includes specific implementation strategies/practices.</p> <p>Project tasks include: 1) Shoreline assessment; 2) Expanded groundwater, tributary, and in-lake, including internal loading, monitoring and modeling to develop nutrient budget; 3) Septic system survey; 4) Agricultural and residential BMP planning; 5) Education plan outreach and implementation, including watercraft inspection, AIS monitoring, and lake fair; 6) Lake management planning and final presentation and report.</p>	10/01/2011	06/30/2013	COMPLETE

Monitoring Stations

Station ID	Name	Comments
663055	Potato Lake - Deep Hole	
10030716	Potato Lake - Near Tributary (Site 4)	
10034887	Potato Lake - Spring Hole	
10030719	Potato Lake - Tributary (Site 1)	
10030717	Potato Lake - Tributary (Site 2)	
10018209	Potato Lake -- Access	

Assessment Units

WBIC	Segment	Local Name	Official Name
2714500	1	Potato Lake	Potato Lake

Lab Account Codes

Account Code	Description	Start Date	End Date
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Forms

Form Code	Form Name
SECCHI_TEMPDO	Lake Monitoring - Secchi, Temperature and D.O.

Methods

Method Code	Description
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Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
04/15/2012 11:00	COMPLETE	PL-DH-APR	663055	Potato Lake - Deep Hole
04/15/2012 11:00	COMPLETE	PL-SPH-APR	10034887	Potato Lake - Spring Hole
05/08/2012 10:00	COMPLETE	PL-TB2-SPR	10030717	Potato Lake - Tributary (Site 2)
05/08/2012 10:00	COMPLETE	PL-TRB-SPR	10030716	Potato Lake - Near Tributary (Site 4)
05/14/2012 10:00	COMPLETE	PL-DH-MAY	663055	Potato Lake - Deep Hole

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Start Date	Status	Field ID	Station ID	Station Name
05/14/2012 10:00	COMPLETE	PL-SPH-MAY	10034887	Potato Lake - Spring Hole
06/11/2012 06:45	COMPLETE	PL-SPH-JUN	10034887	Potato Lake - Spring Hole
06/13/2012	COMPLETE	PL-DH-JUN	663055	Potato Lake - Deep Hole
07/29/2012 10:00	COMPLETE	PL-DH-JUL	663055	Potato Lake - Deep Hole
07/29/2012 10:00	COMPLETE	PL-SPH-JLY	10034887	Potato Lake - Spring Hole
08/19/2012	COMPLETE	PL-DH-AUG	663055	Potato Lake - Deep Hole
08/19/2012 15:00	COMPLETE	PL-SPH-AUG	10034887	Potato Lake - Spring Hole
09/23/2012 15:30	COMPLETE	PL-DH-SEP	663055	Potato Lake - Deep Hole
09/23/2012 15:30	COMPLETE	PL-SPH-SEP	10034887	Potato Lake - Spring Hole
10/15/2012 13:00	COMPLETE	PL-SPH-OCT	10034887	Potato Lake - Spring Hole
10/15/2012 14:00	COMPLETE	PL-DH-OCT	663055	Potato Lake - Deep Hole
01/29/2013 10:20	COMPLETE		663055	Potato Lake - Deep Hole
02/05/2013 01:25	COMPLETE		663055	Potato Lake - Deep Hole
02/12/2013 10:45	COMPLETE		663055	Potato Lake - Deep Hole
02/18/2013 09:25	COMPLETE		663055	Potato Lake - Deep Hole
02/25/2013 10:15	COMPLETE		663055	Potato Lake - Deep Hole
03/04/2013 12:30	COMPLETE		663055	Potato Lake - Deep Hole
03/11/2013 12:25	COMPLETE		663055	Potato Lake - Deep Hole
03/17/2013 12:55	COMPLETE		663055	Potato Lake - Deep Hole
03/26/2013 09:30	COMPLETE		663055	Potato Lake - Deep Hole
04/02/2013 12:00	COMPLETE		663055	Potato Lake - Deep Hole
04/09/2013 10:30	COMPLETE		663055	Potato Lake - Deep Hole
05/22/2013 13:00	COMPLETE		663055	Potato Lake - Deep Hole
05/27/2013 11:00	COMPLETE		663055	Potato Lake - Deep Hole
06/03/2013 13:00	COMPLETE		10018209	Potato Lake -- Access
06/10/2013 15:35	COMPLETE		663055	Potato Lake - Deep Hole
06/11/2013 10:00	COMPLETE	PL-TB1-SUM	10030719	Potato Lake - Tributary (Site 1)
06/11/2013 10:00	COMPLETE	PL-TB4-SUM	10030716	Potato Lake - Near Tributary (Site 4)
06/17/2013 12:05	COMPLETE		663055	Potato Lake - Deep Hole
06/24/2013 16:45	COMPLETE		663055	Potato Lake - Deep Hole
07/02/2013 14:45	COMPLETE		663055	Potato Lake - Deep Hole
07/08/2013 10:00	COMPLETE		663055	Potato Lake - Deep Hole
07/15/2013 10:00	COMPLETE		663055	Potato Lake - Deep Hole
07/22/2013 10:30	COMPLETE		663055	Potato Lake - Deep Hole
07/30/2013 13:45	COMPLETE		663055	Potato Lake - Deep Hole
08/05/2013 14:30	COMPLETE		663055	Potato Lake - Deep Hole
08/11/2013 16:45	COMPLETE		663055	Potato Lake - Deep Hole
08/19/2013 18:30	COMPLETE		663055	Potato Lake - Deep Hole
08/26/2013 09:50	COMPLETE		663055	Potato Lake - Deep Hole
09/02/2013 11:30	COMPLETE		663055	Potato Lake - Deep Hole
09/02/2013 13:15	COMPLETE		663055	Potato Lake - Deep Hole
09/17/2013 12:00	COMPLETE		663055	Potato Lake - Deep Hole
09/24/2013 11:00	COMPLETE		663055	Potato Lake - Deep Hole
10/01/2013 09:00	COMPLETE		663055	Potato Lake - Deep Hole
10/07/2013 14:40	COMPLETE		663055	Potato Lake - Deep Hole
03/10/2014 12:13	COMPLETE		663055	Potato Lake - Deep Hole

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Title	Description	Author	Published	Comments
Comprehensive Lake Management Plan - Potato Lake - Washburn County	This purpose of this report is to provide a comprehensive lake management plan for Potato Lake to guide improving and maintaining water quality and sustaining a healthy lake ecosystem. The Potato Lake Association was awarded a Wisconsin Department of Natural Resources Lake Grant in 2012 to develop this comprehensive lake management plan. The management goals and activities described in this plan were developed as a collaborative effort between the Potato Lake Association and lake managers from SEH. The goals focus on watershed and near-shore best management practices that will reduce the amount of phosphorus entering the lake and improve the highly valued lake aesthetic.	Dave Blumer and Jacob A. Macholl	05/23/2014	
Internal Phosphorus Loading and Sediment Phosphorus Fractionation Analysis for Potato and Sand Lakes, Wisconsin	The objectives of this investigation were to determine rates of phosphorus (P) release from sediments under laboratory-controlled oxic (i.e., aerobic) and anoxic (i.e., anaerobic) conditions and to quantify biologically-labile (i.e., subject to recycling and P flux to the water column) P fractions for sediments collected in Potato and Sand Lakes, Wisconsin.	William F. James	09/01/2012	
Internal Phosphorus Loading and Sediment Phosphorus Fractionation Analysis for Potato and Sand Lakes, Wisconsin [Excel File]	Data which was used in graphs within the Internal Phosphorus Loading and Sediment Phosphorus Fractionation Analysis for Potato and Sand Lakes, Wisconsin paper.		09/01/2012	
Lab and Field Data for the Potato Lake Mini-Piezometers [Excel File]	Excel spreadsheet of data collected in the field of water sample data and field conditions			
Potato Lake Comprehensive Management Plan - Implementation and Funding Matrix [Excel File]	Excel file with priorities of implementation activities for the Potato Lake Comprehensive Management Plan. Includes activities for 2014-2018 along with sources of funding of activities.	Dave Blumer and Jacob A. Macholl	04/28/2014	
Potato Lake Septic System Dye Survey Procedure	Procedure used when doing the septic system survey.	Potato Lake Association	08/01/2012	
Potato Lake Septic Testing Summary	During the months of August and September, septic testing was completed on Potato Lake in Washburn County. More than half of the residents were more than willing to have their septic systems tested, but due to time restrictions, and lack of cabin or house owners not always available to be there while testing was done; only the 28 contacts were checked.		08/01/2012	
Potato Lake WiLMS Scenario Data for 2012 Loading [Excel File]	Data taken from a WiLMS model run for 2012 loading.			
Septic System Dye Survey Letter to Property Owners	Letter to Potato Lake property owners about participating in the volunteer septic system dye survey.	Harley Wells	07/26/2012	

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Septic System Individual Site Visits [Blank Form]	Form used when doing individual septic system site visits.			
State Lab of Hygiene Lab Sample Results for Mini-Piezometers [PDF of SLH Results]	Groundwater chemistry sample results for mini-piezometers.		10/31/2012	
Types of Public Onsite Wastewater Treatment Systems (POWTS)	Description of different types of onsite wastewater treatment systems.		08/01/2012	

Budget

Combined Budgets:
Combined SLOH:
Combined Total:

Funding

Organization	Source	Type	Amount	Start Date	End Date
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