

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: LPL-1461-12
Name: BLACK OTTER LAKE P & R DISTRICT: Black Otter Comp. Watershed Assess.
Type: Lakes Grant
Subtype: Large Scale Lake Planning
Status: COMPLETE
Start Date: 10/01/2011
End Date: 12/31/2013
Purpose: Black Otter Lake District proposes to update the management plan for Black Otter Lake in Outagamie County. Specifically, Black Otter Lake District will 1) assess the water quality of Black Otter Lake during the growing season, 2) identify sources of nutrient inputs from the tributaries and near-shore areas of the watershed, 3) develop nutrient budgets to analyze nutrient and predict lake responses to changes in the watershed, and 4) use the knowledge gained by this study to develop a detailed report that identifies and prioritizes watershed management recommendations. The project elements and deliverables are specified in the grant application materials submitted to the Department of Natural Resources.
Objective:
Comments: Grantee is BLACK OTTER LAKE P & R DISTRICT
Outcome:
Study Design:
QA Measures:

People

Name	Role	Status	Start Date	End Date	Organization	Comments
Arnold, Mason	PARTICIPANT	ACTIVE	10/01/2011		Black Otter Lake District	
Beil,	TEAM_MEMBER	ACTIVE	12/10/2013			
Black Otter Lake District,	GRANT_RECIPII	ACTIVE	10/01/2011		Black Otter Lake District	
Curtis, Randall	TEAM_MEMBER	ACTIVE	10/01/2011		Black Otter Lake District	

Project Statuses

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

Actions

Action	Detailed Description	Start	End Date	Status
Grant Awarded	Black Otter Lake District proposes to update the management plan for Black Otter Lake in Outagamie County. Specifically, Black Otter Lake District will 1) assess the water quality of Black Otter Lake during the growing season, 2) identify sources of nutrient inputs from the tributaries and near-shore areas of the watershed, 3) develop nutrient budgets to analyze nutrient and predict lake responses to changes in the watershed, and 4) use the knowledge gained by this study to develop a detailed report that identifies and prioritizes watershed management recommendations.	10/01/2011	12/31/2013	COMPLETE
Nutrient Budget Development		10/01/2011	12/31/2013	IN_PROGRESS

Monitoring Stations

Station ID	Name	Comments
10034826	Black Otter Creek at mouth before entering Black Otter	

Wisconsin Department of Natural Resources SWIMS Project Summary

Station ID	Name	Comments
	Lake	
453121	Black Otter Lake - Deep Hole	
10019222	Black Otter Lake -- Access	
453275	Black Otter Lake Unnamed Trib To - T22nR15eSec 36	
10035067	Culvert # 8 to ditch by Railroad tracks to Black Otter Lake	
10035059	Culvert #3 Lakeshore Drive - East	
10035060	Culvert #4 Lakeview Ave just south of public access	
10034827	Unnamed Trib to Black Otter Lake E trib at S. Lake St	

Assessment Units

WBIC	Segment	Local Name	Official Name
315300	1	Black Otter Creek	Black Otter Creek
315300	2	Black Otter Creek	Black Otter Creek
315600	1	Black Otter Lake (Hortonville)	Black Otter Lake (Hortonville)
5020615	1	Local Water	Unnamed

Lab Account Codes

Account Code	Description	Start Date	End Date
--------------	-------------	------------	----------

Forms

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

Methods

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

Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
04/20/2012 15:32	COMPLETE	BOL042012C	10034826	Black Otter Creek at mouth before entering Black Otter Lake
04/20/2012 23:00	COMPLETE	BOL042012B	10034827	Unnamed Trib to Black Otter Lake E trib at S. Lake St
04/20/2012 23:00	COMPLETE	BOT042012A	453121	Black Otter Lake - Deep Hole
05/03/2012	COMPLETE	BOL050312A	453121	Black Otter Lake - Deep Hole
05/03/2012	COMPLETE	BOL050312B	10034827	Unnamed Trib to Black Otter Lake E trib at S. Lake St
05/03/2012	COMPLETE	BOL050312C	10034826	Black Otter Creek at mouth before entering Black Otter Lake
05/03/2012	COMPLETE	BOL050312H	453275	Black Otter Lake Unnamed Trib To - T22nR15eSec 36
05/03/2012 15:00	COMPLETE	BOL0503126	10019222	Black Otter Lake -- Access
05/03/2012 15:00	COMPLETE	BOL050312D	10035059	Culvert #3 Lakeshore Drive - East
05/03/2012 15:00	COMPLETE	BOL050312E	10035060	Culvert #4 Lakeview Ave just south of public access
05/03/2012 15:00	COMPLETE	BOL050312F	10035067	Culvert # 8 to ditch by Railroad tracks to Black Otter Lake
05/23/2012 09:00	COMPLETE	BOL052312A	453121	Black Otter Lake - Deep Hole
05/23/2012 09:00	COMPLETE	BOL052312B	10034827	Unnamed Trib to Black Otter Lake E trib at S. Lake St
05/23/2012 09:00	COMPLETE	BOL052312C	10034826	Black Otter Creek at mouth before entering Black Otter Lake
05/26/2012 18:00	COMPLETE	BOL052612D	10035059	Culvert #3 Lakeshore Drive - East
05/26/2012 18:00	COMPLETE	BOL052612E	10035060	Culvert #4 Lakeview Ave just south of public access
05/26/2012 18:00	COMPLETE	BOL052612F	10035067	Culvert # 8 to ditch by Railroad tracks to Black Otter Lake
05/26/2012 18:00	COMPLETE	BOL052612G	10019222	Black Otter Lake -- Access
05/26/2012 18:00	COMPLETE	BOL052612H	453275	Black Otter Lake Unnamed Trib To - T22nR15eSec 36

Wisconsin Department of Natural Resources SWIMS Project Summary

Start Date	Status	Field ID	Station ID	Station Name
06/04/2012 16:00	COMPLETE	BOL060412A	453121	Black Otter Lake - Deep Hole
06/04/2012 16:00	COMPLETE	BOL060412B	10034827	Unnamed Trib to Black Otter Lake E trib at S. Lake St
06/04/2012 16:00	COMPLETE	BOL060412C	10034826	Black Otter Creek at mouth before entering Black Otter Lake
06/24/2012 09:00	COMPLETE	BOL062412A	453121	Black Otter Lake - Deep Hole
06/25/2012 09:00	COMPLETE	BOL062512B	10034827	Unnamed Trib to Black Otter Lake E trib at S. Lake St
06/25/2012 09:00	COMPLETE	BOL062512C	10034826	Black Otter Creek at mouth before entering Black Otter Lake
07/09/2012 08:30	COMPLETE	BOL070912A	453121	Black Otter Lake - Deep Hole
07/09/2012 09:00	COMPLETE	BOL070912B	10034827	Unnamed Trib to Black Otter Lake E trib at S. Lake St
07/09/2012 09:30	COMPLETE	BOL070912C	10034826	Black Otter Creek at mouth before entering Black Otter Lake
07/24/2012 09:00	COMPLETE	BOL072412A	453121	Black Otter Lake - Deep Hole
07/24/2012 09:30	COMPLETE	BOL072412B	10034827	Unnamed Trib to Black Otter Lake E trib at S. Lake St
07/24/2012 09:30	COMPLETE	BOL072412C	10034826	Black Otter Creek at mouth before entering Black Otter Lake
08/08/2012 09:00	COMPLETE	BOL080812A	453121	Black Otter Lake - Deep Hole
08/08/2012 09:30	COMPLETE	BOL080812B	10034827	Unnamed Trib to Black Otter Lake E trib at S. Lake St
08/08/2012 10:00	COMPLETE	BOL080812C	10034826	Black Otter Creek at mouth before entering Black Otter Lake
08/09/2012 16:00	COMPLETE	BOL080912D	10035059	Culvert #3 Lakeshore Drive - East
08/09/2012 16:00	COMPLETE	BOL080912E	10035060	Culvert #4 Lakeview Ave just south of public access
08/09/2012 16:00	COMPLETE	BOL080912F	10035067	Culvert # 8 to ditch by Railroad tracks to Black Otter Lake
08/09/2012 16:00	COMPLETE	BOL080912G	10019222	Black Otter Lake -- Access
08/09/2012 16:00	COMPLETE	BOL080912H	453275	Black Otter Lake Unnamed Trib To - T22nR15eSec 36
08/21/2012 08:30	COMPLETE	BOL082112B	10034827	Unnamed Trib to Black Otter Lake E trib at S. Lake St
08/22/2012 09:00	COMPLETE	BOL082212C	10034826	Black Otter Creek at mouth before entering Black Otter Lake
08/22/2012 11:30	COMPLETE	BOL082212A	453121	Black Otter Lake - Deep Hole
09/05/2012 08:00	COMPLETE	BOL090512C	10034826	Black Otter Creek at mouth before entering Black Otter Lake
09/05/2012 08:45	COMPLETE	BOL090512B	10034827	Unnamed Trib to Black Otter Lake E trib at S. Lake St
09/05/2012 09:15	COMPLETE	BOL090512A	453121	Black Otter Lake - Deep Hole
09/17/2012 11:15	COMPLETE	BOL091712A	453121	Black Otter Lake - Deep Hole
09/17/2012 12:50	COMPLETE	BOL091712B	10034827	Unnamed Trib to Black Otter Lake E trib at S. Lake St
09/17/2012 14:05	COMPLETE	BOL091712C	10034826	Black Otter Creek at mouth before entering Black Otter Lake
10/02/2012 14:30	COMPLETE	BOL100212A	453121	Black Otter Lake - Deep Hole
10/02/2012 15:00	COMPLETE	BOL100212B	10034827	Unnamed Trib to Black Otter Lake E trib at S. Lake St
10/02/2012 15:25	COMPLETE	BOL100212C	10034826	Black Otter Creek at mouth before entering Black Otter Lake
10/09/2012 10:00	COMPLETE	BOL100912H	453275	Black Otter Lake Unnamed Trib To - T22nR15eSec 36
10/09/2012 10:15	COMPLETE	BOL100912F	10035067	Culvert # 8 to ditch by Railroad tracks to Black Otter Lake
10/09/2012 10:30	COMPLETE	BOL100912E	10035060	Culvert #4 Lakeview Ave just south of public access
10/09/2012 11:00	COMPLETE	BOL100912B	10034827	Unnamed Trib to Black Otter Lake E trib at S. Lake St
10/09/2012 11:15	COMPLETE	BOL100912D	10035059	Culvert #3 Lakeshore Drive - East
10/09/2012 11:45	COMPLETE	BOL100912A	453121	Black Otter Lake - Deep Hole
10/09/2012 13:00	COMPLETE	BOL100912C	10034826	Black Otter Creek at mouth before entering Black Otter Lake
10/09/2012 16:00	COMPLETE	BOL100912G	10019222	Black Otter Lake -- Access
10/14/2012 09:15	COMPLETE	BOL101412F	10035067	Culvert # 8 to ditch by Railroad tracks to Black Otter Lake
10/14/2012 09:30	COMPLETE	BOL101412D	10035059	Culvert #3 Lakeshore Drive - East
10/14/2012 09:40	COMPLETE	BOL101412E	10035060	Culvert #4 Lakeview Ave just south of public access
10/14/2012 09:50	COMPLETE	BOL101412G	10019222	Black Otter Lake -- Access
10/14/2012 10:00	COMPLETE	BOL101412H	453275	Black Otter Lake Unnamed Trib To - T22nR15eSec 36
10/29/2012 09:15	COMPLETE	BOL102912B	10034827	Unnamed Trib to Black Otter Lake E trib at S. Lake St
10/29/2012 09:45	COMPLETE	BOL102912C	10034826	Black Otter Creek at mouth before entering Black Otter Lake
10/29/2012 10:30	COMPLETE	BOL102912A	453121	Black Otter Lake - Deep Hole

Wisconsin Department of Natural Resources SWIMS Project Summary

Documents

Title	Description	Author	Published	Comments
Watershed Assessment and Management Plan Update for Black Otter Lake, Outagamie County, Wisconsin	Black Otter Lake is a shallow 75-acre impoundment located in the village of Hortonville (Figures 1 and 2). Two tributary streams and numerous storm water culverts feed the lake. Black Otter Creek drains from the lake directly into the Wolf River. With two public boat launches, a county park and a village park on its shores, Black Otter Lake receives substantial recreational use throughout the year. As the only lake in Outagamie County having public access, area residents consider Black Otter Lake an important natural resource. The Black Otter Lake District was formed in 1976 to help restore and protect the lake.	Cason & Associates, LLC	06/01/2014	

Budget

Combined Budgets:
Combined SLOH:
Combined Total:

Funding

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