

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 | |

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| 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 |

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| 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 |

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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 |
|--------------|--------|------|--------|------------|----------|
|--------------|--------|------|--------|------------|----------|