

Wisconsin Department of Natural Resources
SWIMS Project Summary

General Project Information

Project ID: ACEI-140-13

Name: BLACK OTTER LAKE P & R DISTRICT: Black Otter Lake AIS Control

Type: Aquatic Invasives Grant

Subtype: Aquatic Invasives Control

Status: COMPLETE

Start Date: 4/1/2013

End Date: 12/31/2017

Purpose: Black Otter Lake District proposes to continue to educate the public and manage aquatic invasive species (AIS) in Black Otter Lake. Specifically, Black Otter Lake District will:
1. Annually assess the aquatic plant community utilizing early-season and fall aquatic invasive species surveys and summer point-intercept surveys following DNR protocols.
2. Control AIS using early-season chemical treatments and hand-pulling.
3. Educate the public on AIS prevention activities utilizing the Clean Boats/Clean Waters Program, Hortonville High School students to conduct AIS surveys, use of trail-style cameras at the public launch, and installation of informational kiosks at the major access points of the lake. Volunteer AIS monitoring results will be entered into SWIMS.
4. Plant emergent plant species and conduct other habitat improvement projects in the lake.
5. Generate annual project reports with a summary of education and control activities, survey results, as well as recommendations for the following year.
The project elements and deliverables are specified in the grant application materials submitted to the Department dated February 1, 2013.

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
Black Otter Lake District,	GRANT_RECIPIENT	ACTIVE	6/13/2013		Black Otter Lake District	

Project Statuses			
Date	Reported By	Status	Comments

Actions				
Action	Detailed Description	Start Date	End Date	Status
Aquatic Plant Monitoring or Survey		4/1/2013	12/31/2015	PROPOSED
Grant Awarded		4/1/2013	12/31/2015	COMPLETE
Habitat Restoration - Lake		4/1/2013	12/31/2015	PROPOSED
APM Mechanical Permit Request	Hand Pulling	4/1/2013	12/31/2015	PROPOSED

Details: Parameter	Value/Amount	Units	Comments
Total Acres harvested			

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Details: Parameter	Value/Amount	Units	Comments		
Total pounds of plants harvested					
Monitor Invasive Species		4/1/2013	12/31/2015	PROPOSED	
Watercraft Inspections Clean Boats, Clean Waters		4/1/2013	12/31/2015	PROPOSED	
APM Chemical Permit Request		4/1/2013	12/31/2015	PROPOSED	

Details: Parameter	Value/Amount	Units	Comments		
24D Granular, # Acres					
24D Granular, # Pounds					
24D Liquid, # Acres					
24D Liquid, # Pounds					
Acres Treated - 1997 to 2003					
Amount of Chemicals used - 1997 to 2003					
Aqua-Pro Acres					
Aqua-Pro Gallons					
Aquacide, # Pounds					
Aquaneat Acres					
Aquaneat Gallons					
Aquashade Acres					
Aquashade Pounds					
Aquastar Acres					
Aquastar Gallons					
Aquathol Acres					
Aquathol Gallons					
Aquathol K Acres					
Aquathol K Gallons					
Aquathol, # Pounds					
Avast Acres					
Avast Gallons					
Chemicals Used - 1997 to 2003					
Clearcast Acres					
Clearcast Gallons					
Clearigate Acres					
Clearigate Gallons					
Comments					
Contains Herbicide totals					
Copper Acres					
Copper Liquid, # Acres					
Copper Liquid, # Gallons					
Copper Pounds					

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Details: Parameter	Value/Amount	Units	Comments
Citrine Acres			
Citrine Liquid Acres			
Citrine Liquid Gallons			
Citrine Plus Acres			
Citrine Plus Liquid Acres			
Citrine Plus Liquid Gallons			
Citrine Plus Pounds			
Citrine Pounds			
Citrine Ultra Acres			
Citrine Ultra Gallons			
DMA 4 IVM Acres			
DMA 4 IVM Gallons			
Did Treatments Occur			
Diquat Acres			
Diquat Gallons			
Diquat Liquid Acres			
Diquat Pounds			
Endotholl Acres			
Endotholl Liquid Acres			
Endotholl Liquid Gallons			
Endotholl Pounds			
Fee			
Floridone Acres			
Floridone Gallons			
Glyphosate Acres			
Glyphosate Gallons			
Glyphosate Liquid Acres			
Glyphosate Pounds			
Green Clean Acres			
Green Clean Gallons			
H2O2 Acres			
H2O2 Pounds			
Habitat Acres			
Habitat Gallons			
Harvester Acres			
Harvester Gallons			
Herbicide Treatment and Water Use Restriction Signs Posted in Accordance with NR 107?			
Hydrothol Acres			
Hydrothol Gallons			

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Details: Parameter	Value/Amount	Units	Comments		
Imazapyr Acres					
Imazapyr Gallons					
Nautique Acres					
Nautique Gallons					
Navigate Acres					
Navigate, # Pounds					
Onsite Supervision Present?					
Permit #					
Phycomycin Acres					
Phycomycin Pounds					
Polaris Acres					
Polaris Gallons					
Refuge Acres					
Refuge Gallons					
Reward Acres					
Reward Gallons					
Reward Liquid Acres					
Reward Pounds					
Rodeo Acres					
Rodeo Gallons					
SCI-62 Acres					
SCI-62 Gallons					
Sculpin G Acres					
Sculpin G Pounds					
SeClear Acres					
SeClear Gallons					
ShoreKlear Acres					
ShoreKlear Gallons					
Sonar AS Gallons					
Sonor AS Acres					
Touchdown Pro Acres					
Touchdown Pro Gallons					
Treatment Date					
Treatment Date Series					
Tribune Acres					
Tribune Gallons					
Vectobac Acres					
Vectobac Gallons					
Habitat Restoration - Shoreland		4/1/2013	12/31/2015	PROPOSED	

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Details: Parameter	Value/Amount	Units	Comments		
Shoreline feet restored/enhanced					
Information and Education		4/1/2013	12/31/2015	PROPOSED	
Project Deliverable	Annual Reports	4/1/2013	12/31/2015	PROPOSED	
Install Kiosk or Sign	install at major public access locations	4/1/2013	12/31/2015	PROPOSED	
Project Deliverable	Final Report	4/1/2013	12/31/2015	PROPOSED	

Monitoring Stations

Station ID	Name	Comments
10004714	Black Otter Lake	

Assessment Units

WBIC	Segment	Local Name	Official Name
315600	1	Black Otter Lake (Hortonville)	Black Otter Lake (Hortonville)

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

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Title	Description	Author	Published	Comments
2014 Progress Report for Black Otter Lake, Outagamie County, Wisconsin	For more than a decade, the members of the Black Otter Lake District have actively managed the aquatic invasive species Eurasian watermilfoil (Myriophyllum spicatum) (EWM) and curly-leaf pondweed (Potamogeton crispus) (CLP). Both species have dominated the lake at various times over this period. Treatments for exotic species date back to 2003. On May 27, 2014, a survey for exotic species was conducted on Black Otter Lake by Cason & Associates staff. This survey was used to determine the area and location of CLP. It utilized the point-intercept aquatic plant survey map as a guide. Surface observations and rake tows were used to determine the abundance of CLP at each location.	Cason & Associates, LLC	3/27/2015	
Black Otter Lake - Outagamie County, Wisconsin - Aquatic Plant Management Plan Update [Draft]	To address aquatic plant management, a review of current aquatic plant conditions and management techniques is necessary to be sure that the lake is being managed in the best way possible for the resource and its users. To that end, this report outlines past management, the current conditions, and a review of best management actions moving forward.	Lake and Pond Solutions Co.	1/1/2018	

Budget

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

Funding

Organization	Source	Type	Amount	Start Date	End Date
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