

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: AIRR-112-12

Name: TOWN OF BARNES: George Lake EWM Response 2011 - 2014

Type: Aquatic Invasives Grant

Subtype: Aquatic Invasives Early Detection and Response

Status: COMPLETE

Start Date: 7/15/2011

End Date: 6/30/2018

Purpose: The Town of Barnes is sponsoring a four-year Eurasian watermilfoil response project on George Lake, Bayfield County, to do the following activities: community information and education; improved signage; aquatic plant survey and management plan; and Eurasian watermilfoil management (e.g. manual removal, herbicide treatment) and monitoring. This project may include monitoring nearby lakes.

Project deliverables include: 1) A project report summarizing information/education, management, and monitoring activities; 2) Pre-post treatment and other monitoring data/results; 3) Aquatic Plant Management Plan, if necessary.

This scope is intended to summarize the detailed project scope provided in the application and does not supersede those application tasks/deliverables. 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 TOWN OF BARNES**Outcome:****Study Design:****QA Measures:**

People

Name	Role	Status	Start Date	End Date	Organization	Comments
Town of Barnes (Bayfield Co.),	GRANT_RECIPIENT	ACTIVE	7/15/2011		Town of Barnes	

Project Statuses

Date	Reported By	Status	Comments
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Actions

Action	Detailed Description	Start Date	End Date	Status
Aquatic Plant Monitoring or Survey		7/15/2011	6/30/2015	PROPOSED
Grant Awarded		7/15/2011	6/30/2015	COMPLETE
Project Deliverable	project report	7/15/2011	6/30/2015	PROPOSED
Monitor Pre and Post Treatment		7/15/2011	6/30/2015	PROPOSED
APM Chemical Permit Request		7/15/2011	6/30/2015	PROPOSED

Details: Parameter	Value/Amount	Units	Comments
24D Granular, # Acres			
24D Granular, # Pounds			

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Details: Parameter	Value/Amount	Units	Comments
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			
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			

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Details: Parameter	Value/Amount	Units	Comments
Cutrine 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			
Imazapyr Acres			
Imazapyr Gallons			
Nautique Acres			
Nautique Gallons			
Navigate Acres			
Navigate, # Pounds			
Onsite Supervision Present?			
Permit #			
Phycomycin Acres			

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Details: Parameter	Value/Amount	Units	Comments
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			

Information and Education		7/15/2011	6/30/2015	PROPOSED
APM Mechanical Permit Request		7/15/2011	6/30/2015	PROPOSED

Details: Parameter	Value/Amount	Units	Comments
Total Acres harvested			
Total pounds of plants harvested			

Monitoring Stations

Station ID	Name	Comments

Assessment Units

WBIC	Segment	Local Name	Official Name

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Lab Account Codes				
Account Code	Description	Start Date	End Date	
Forms				
Form Code	Form Name			
Methods				
Method Code	Method Description			
Fieldwork Events				
Start Date	Status	Field ID	Station ID	Station Name
Documents				
Title	Description	Author	Published	Comments
2011 August Warm Water Point Intercept Survey and Eurasian water milfoil (Myriophyllum spicatum) Dive Removal - George Lake	In July 2011, Eurasian water milfoil (Myriophyllum spicatum) was discovered in the lake. Because of this, the Town of Barnes and the WDNR commissioned an August full point intercept macrophyte survey, and a follow-up EWM dive removal in preparation for developing an Aquatic Plant Management Plan for the lake. The August survey found macrophytes at 109 of the 224 total survey points. The 45 species found growing in and immediately adjacent to the lake produced a Simpson Index Value of 0.93. Plant growth was moderate with a mean total rake fullness value at vegetative sites of 1.80.	Matthew S. Berg, Endangered Resource Services, LLC	8/5/2011	
2011 George Lake Macrophyte Survey	Macrophyte survey data from George Lake in 2011.	Matthew S. Berg, Mitchel L. Berg, and Noah M. Berg	8/4/2011	

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2015 June and August SCUBA Dive Assessment and August Warm-water Point-intercept Survey for Eurasian water milfoil - George Lake	In July 2011, Eurasian water milfoil (<i>Myriophyllum spicatum</i>) was discovered in the lake. Because of this, the Town of Barnes and the Wisconsin Department of Natural Resources commissioned an initial full point-intercept macrophyte survey on August 4, 2011. This was followed by a June 5, 2012 herbicide treatment. Despite many volunteer surveys to look for EWM in both 2012 and 2013, no evidence of surviving plants was found. Because of this, the TOB requested a follow up full point-intercept survey and SCUBA search of the treatment areas on August 19, 2013, SCUBA surveys in 2014, and two SCUBA and a final point-intercept survey in 2015. We also found no evidence of EWM in the lake during any of these SCUBA or point-intercept surveys.	Matthew S. Berg, Endangered Resource Services, LLC	8/11/2015	
2015 PI Survey Data - George Lake [Excel File]		Matthew S. Berg, Endangered Resource Services, LLC	8/11/2015	
Comparison of PI Survey Data between 2011, 2013, and 2015 for George Lake [Excel File]		Matthew S. Berg, Endangered Resource Services, LLC	1/1/2015	
Freshwater Jellyfish - George Lake [Photo 1]	Image of freshwater jellyfish in George Lake around on or before August 2011.	Matthew S. Berg	8/1/2011	
Freshwater Jellyfish - George Lake [Photo 2]	Image of freshwater jellyfish in George Lake around on or before August	Matthew S. Berg	8/1/2011	
Freshwater Jellyfish - George Lake [Photo 3]	Image of freshwater jellyfish in George Lake around on or before August	Matthew S. Berg	8/1/2011	
Freshwater Jellyfish - George Lake [Photo 4]	Image of freshwater jellyfish in George Lake around on or before August	Matthew S. Berg	8/1/2011	
Freshwater Jellyfish - George Lake [Photo 5]	Image of freshwater jellyfish in George Lake around on or before August	Matthew S. Berg	8/1/2011	
Freshwater Jellyfish - George Lake [Photo 6]	Image of freshwater jellyfish in George Lake around on or before August	Matthew S. Berg	8/1/2011	
George Lake [Photo 1]	Photo of George Lake during a survey as part of AIRR-112-12.	Matthew S. Berg	8/1/2011	
George Lake [Photo 2]	Photo of George Lake during a survey as part of AIRR-112-12.	Matthew S. Berg	8/1/2011	
George Lake [Photo 2]	Photo of George Lake during a survey as part of AIRR-112-12.	Matthew S. Berg	8/1/2011	

Budget

7/25/2024

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Combined Budgets:

Combined WSLH:

Combined Total: \$0.00

Funding					
Organization	Source	Type	Amount	Start Date	End Date