

Wisconsin Department of Natural Resources

SWIMS Project Summary

General Project Information

Project ID: AIRR-106-11

Name: GRINDSTONE LAKE ASSOCIATION: Little Grindstone CLP Control

Type: Aquatic Invasives Grant

Subtype: Aquatic Invasives Early Detection and Response

Status: COMPLETE

Start Date: 5/1/2011

End Date: 12/31/2013

Purpose: The Grindstone Lake Association is sponsoring an aquatic invasive species (AIS) control project on Little Grindstone Lake. In 2007, the AIS curly-leaf pondweed (CLP) was collected and confirmed within Lac Courte Oreilles. Since its discovery, action has been taken to control the spread and infestation of CLP with herbicide treatments in 2009, 2010, and one planned for 2011. A pioneer infestation of this plant has now been found in Little Grindstone Lake during a 2010 survey. Documentation and mapping of this new infestation showed its presence at 2.35 acres.

Treatment of CLP within Little Grindstone Lake is recommended in 2011 and beyond (through 2013) to achieve control and prevent its introduction in Grindstone Lake, which is directly connected to it. Prior to treatment, a survey of the lake to verify proposed treatment areas each year will be completed and any adjustments to those or new areas will be done.

Project Goals and Objectives: 1) Monitor CLP annually for a three year period on Little Grindstone Lake; 2) Effectively manage CLP; 3) Restore the native aquatic plant community; 4) Protect fish and wildlife habitat.

Project Deliverables: 1) Mailing of required information packet to lakeshore owners; 2) Chemical control of CLP; 3) Monitoring data measuring effectiveness of chemical control for 2011 \2013 2013; 4) Map of CLP distribution pre & post-treatment for 2011 \2013 2013; 5) Map of potential 2012 - 2013 treatment areas of CLP.

Specific conditions for this Project: 1) The WDNR will be provided electronic and hard copies of all data and or reports/plans generated as a result of this project; 2) Implement the pre and post treatment monitoring protocol (DNR May, 2007); 3) Summary report on the effectiveness of the treatment.

Objective:

Comments: Grantee is GRINDSTONE LAKE ASSOCIATION

Outcome:

Study Design:

QA Measures:

People

Name	Role	Status	Start Date	End Date	Organization	Comments
Grindstone Lake Association,	GRANT_RECIPIENT	COMPLETE	5/1/2011	5/7/2014	Grindstone Lake Association	

Project Statuses

Date	Reported By	Status	Comments
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Actions

Action	Detailed Description	Start Date	End Date	Status
Monitor Pre and Post Treatment		5/1/2011	12/31/2013	PROPOSED
Develop/Distribute Brochures/Literature		5/1/2011	12/31/2013	PROPOSED

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APM Chemical Permit Request		5/1/2011	12/31/2013	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				
Cutrine Acres				
Cutrine Liquid Acres				
Cutrine Liquid Gallons				
Cutrine Plus Acres				
Cutrine Plus Liquid Acres				
Cutrine Plus Liquid Gallons				

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Details: Parameter	Value/Amount	Units	Comments
Cutrine Plus Pounds			
Cutrine Pounds			
Cutrine Ultra Acres			
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			

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Details: Parameter	Value/Amount	Units	Comments
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			

Information and Education		5/1/2011	12/31/2013	PROPOSED
Project Deliverable	summary report of effectiveness of the treatment	5/1/2011	12/31/2013	PROPOSED
Grant Awarded		5/1/2011	12/31/2013	COMPLETE

Monitoring Stations

Station ID	Name	Comments
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Assessment Units

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WBIC	Segment	Local Name	Official Name
2391300	1	Grindstone Creek	Grindstone Creek

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

Title	Description	Author	Published	Comments
2013 Aquatic Plant Management Report for Little Grindstone Lake	The Grindstone Lake Association (GLA) is a group responsible for the management of Little Grindstone Lakes aquatic invasive species (AIS), with the species of particular concern being Potamogeton crispus (curly-leaf pondweed CLP). Stantec Consulting Services, Incorporated (Stantec) was contacted by the Association to provide a chemical herbicide treatment and an aquatic plant survey. Stantec furnished all labor, materials, tools and equipment necessary to perform all operations in connection with the chemical application of herbicides in select locations of the GLA. This report provides a summary of observations, conclusions and recommendations for the chemical treatment of AIS and nuisance aquatic plant growth from 2013 and for the upcoming 2014 season.	Stantec Consulting Services Inc.	1/13/2014	

Budget

Combined Budgets:

Combined WSLH:

Combined Total: \$0.00

Funding

Organization	Source	Type	Amount	Start Date	End Date
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