

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: AIRR-165-14

Name: LAKESHORE NATURAL RESOURCES PARTNERSHIP INC.: Lakeshore Natural Resources Partnership Manitowoc River

Type: Aquatic Invasives Grant

Subtype: Aquatic Invasives Early Detection and Response

Status: COMPLETE

Start Date: 9/16/2013

End Date: 12/31/2015

Purpose:
Lakeshore Natural Resources Partnership proposes to control *Phragmites australis* within the project limits of the Little Manitowoc River Restoration Project by implementing control measures during the period 2013-2015. The project elements and deliverables are specified in the Lakeshore Natural Resources Aquatic Invasive Species grant application dated November 25, 2013. The project includes conducting pre- and post- treatment surveys and mapping the extent of phragmites and controlling phragmites with aquatic herbicide treatments. A final report summarizing the three-year project will be provided to the DNR by December 31, 2015.

Objective:

Comments: Grantee is LAKESHORE NATURAL RESOURCES PARTNERSHIP INC.

Outcome:

Study Design:

QA Measures:

People

Name	Role	Status	Start Date	End Date	Organization	Comments
Lakeshore Natural Resource Par	GRANT_RECIPIENT	ACTIVE	9/16/2013	12/31/2015	Lakeshore Natural Resource Partnership Inc	

Project Statuses

Date	Reported By	Status	Comments
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Actions

Action	Detailed Description	Start Date	End Date	Status
Aquatic Plant Management Project		9/16/2013	12/31/2015	PROPOSED
Monitor Pre and Post Treatment		9/16/2013	12/31/2015	PROPOSED
Grant Awarded		9/16/2013	12/31/2015	COMPLETE
Aquatic Plant Monitoring or Survey		9/16/2013	12/31/2015	PROPOSED
APM Chemical Permit Request		9/16/2013	12/31/2015	PROPOSED

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

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Details: Parameter	Value/Amount	Units	Comments
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			
Citrine Ultra Gallons			
DMA 4 IVM Acres			

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Details: Parameter	Value/Amount	Units	Comments
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			
Phycomycin Pounds			
Polaris Acres			
Polaris Gallons			

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Details: Parameter	Value/Amount	Units	Comments
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			

Project Deliverable	A final report summarizing the three-year project will be provided to the DNR by December 31, 2015.	9/16/2013	12/31/2015	PROPOSED
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Monitoring Stations

Station ID	Name	Comments
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Assessment Units

WBIC	Segment	Local Name	Official Name
82500	1	Little Maniwoc River	Little Maniwoc River

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

Fieldwork Events				
Start Date	Status	Field ID	Station ID	Station Name

Documents				
Title	Description	Author	Published	Comments
Final Grant Report for the Little Manitowoc River, Manitowoc County	Stantec performed invasive common reed grass herbicide treatments within the Project Area on behalf of LNRP with support of their WDNR AIS Early Detection and Response grant funding. Treatments were initiated in fall 2013 to treat monocultures of invasive common reed grass observed during a site reconnaissance visit performed in November, 2012. Total invasive common reed grass acreage within the Project Area was initially estimated at 3.5 acres. Follow-up treatments were performed in 2014 and 2015 to target re-growth and newly-identified populations. The location and approximate number of stems were recorded annually during the follow-up treatments in an effort to evaluate the previous years success (Figures 2 and 3). A significant decrease in the number of invasive common reed grass stems was noted in many of the populations; however, most populations required some level of follow-up treatment annually. Additionally, new populations continued to emerge adjacent to actively treated areas. In order to successfully control invasive common reed grass for the long term, Stantec recommends LNRP continue monitoring the Project Area for invasive common reed grass and perform ongoing, long term treatment to continue the efforts initiated as part of this project.	Stantec Consulting Services Inc.	2/28/2016	

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

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Funding					
Organization	Source	Type	Amount	Start Date	End Date