

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: AIRR-147-13
Name: THREE LAKES WATERFRONT ASSOCIATION: Virgin Lake EWM Early Detection Response Project
Type: Aquatic Invasives Grant
Subtype: Aquatic Invasives Early Detection and Response
Status: COMPLETE
Start Date: 07/01/2012
End Date: 06/30/2016
Purpose: Three Lakes Waterfront Association, Inc. is sponsoring an Early Detection Response project focusing on surveying, monitoring, mapping, hand-pulling, and chemically treating the new discovery of EWM in Virgin Lake, Oneida County.

Project activities include: 1) Conduct annual spring pre-treatment, early-season AIS and peak-biomass surveys; 2) Conduct volunteer AIS and chemical concentration monitoring; 3) Control EWM by hand removal efforts and chemical treatments; 4) Develop annual maps and letter report.

Project deliverables include: 1) EWM survey data and maps; 2) Annual letter report describing the findings of the pre-treatment survey, early-spring survey, peak-biomass survey, chemical treatments, hand-pulling efforts, and guidance for continued control actions.

Specific conditions for this project: Annual letter report needs Department review and approval.

WDNR Lakes Management Coordinator will be provided with an electronic (pdf or word) copy of letter reports, all maps, and all aquatic plant and GIS data.

Objective:
Comments: Grantee is THREE LAKES WATERFRONT ASSOCIATION
Outcome:
Study Design:
QA Measures:

People

Name	Role	Status	Start Date	End Date	Organization	Comments
Three Lakes Waterfront Asso	GRANT_RECIPII	ACTIVE	06/17/2013		Three Lakes Waterfront Association Inc.	

Project Statuses

Date	Reported By	Status	Comments
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Actions

Action	Detailed Description	Start	End Date	Status
Monitor Pre and Post Treatment		07/01/2012	06/30/2015	PROPOSED
Project Deliverable	Annual letter report describing the findings of the pre-treatment survey, early-spring survey, peak-biomass survey, chemical treatments, hand-pulling efforts, and guidance for continued control actions	07/01/2012	06/30/2015	PROPOSED
APM Mechanical Permit Request		07/01/2012	06/30/2015	PROPOSED
Details:	Parameter	Value/Amount	Units	Comments
	Total Acres harvested			
	Total pounds of plants harvested			
Aquatic Plant Monitoring or Survey		07/01/2012	06/30/2015	PROPOSED

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Action	Detailed Description	Start	End Date	Status
APM Chemical Permit Request		07/01/2012	06/30/2015	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			
	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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Action	Detailed Description	Start	End Date	Status
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			
	Refuge Acres			
	Refuge Gallons			
	Reward Acres			
	Reward Gallons			

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Action	Detailed Description	Start	End Date	Status
Details: Parameter	Value/Amount	Units	Comments	
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				
Grant Awarded		07/01/2012	06/30/2015	COMPLETE

Monitoring Stations

Station ID	Name	Comments
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Assessment Units

WBIC	Segment	Local Name	Official Name
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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	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 Final EWM Control Permit, Virgin Lake, Oneida	Approval of a permit application to chemically treat Eurasian Water Milfoil	Timothy M. Plude	07/06/2013	

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Title	Description	Author	Published	Comments
County	(EWM) on Virgin Lake in Oneida County, along with conditions that needed to be met in order for treatment to keep the permit.			
AISED Map, Virgin Lake, Oneida County	Map of 2014 EWM survey report and 2015 Conditional Control Strategies	Onterra, LLC	12/18/2014	
Three Lakes Chain of Lakes Management Planning Project [Oneida County]	In 2009, a multi-phased project began which aimed to create a full chain-wide management plan as well as individual plans for each lake in the Three Lakes Chain. Lake management planning is a process that begins with a full examination of a lake's ecological components, including a lake's water quality, watershed, aquatic plants, shoreland areas, fishery, and habitat condition. Next, the perceptions, needs and concerns of the lake's stakeholders inventoried and described through anonymous surveys and public meetings. These elements are combined in a holistic package that attempts to describe the conditions of the lake, document challenges (ecological impairments, stakeholder concerns, etc.) and produce goals and actions which guide managers in preserving lake conditions and protecting it from future threats	Dan Cibulka	12/15/2015	
Three Lakes Waterfront Association 2015 AIS Monitoring and Control Report [Three Lakes Chain of Lakes, Oneida County]	The 2015 control actions (herbicide application and professional hand-removal) were assessed during an EWM Peak-Biomass survey, completed on September 22, 2015. During the late summer, EWM is typically at its peak growth state which allows for easy viewing of the plant and plant colonies. The herbicide treatment site (A-15) as well as the multiple hand-removal sites were visited and a visual inspection completed for EWM occurrences. Additionally, the Onterra crew meandered the entire lake to document any occurrences outside of the control areas. Ultimately, this survey allows for an understanding of control action effectiveness but also aids in data collection for next year's planning.	Three Lakes Waterfront Association	02/15/2015	

Budget

Combined Budgets:
 Combined SLOH:
 Combined Total:

Funding

Organization	Source	Type	Amount	Start Date	End Date
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