

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: 7/1/2012

End Date: 6/30/2016

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 Associa	GRANT_RECIPIENT	ACTIVE	6/17/2013		Three Lakes Waterfront Association Inc.	

Project Statuses

Date	Reported By	Status	Comments
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Actions

Action	Detailed Description	Start Date	End Date	Status
Grant Awarded		7/1/2012	6/30/2015	COMPLETE
APM Mechanical Permit Request		7/1/2012	6/30/2015	PROPOSED

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

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Monitor Pre and Post Treatment		7/1/2012	6/30/2015	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	7/1/2012	6/30/2015	PROPOSED
APM Chemical Permit Request		7/1/2012	6/30/2015	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			
Cutrine Acres			

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Details: Parameter	Value/Amount	Units	Comments
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			
Imazapyr Acres			

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Details: Parameter	Value/Amount	Units	Comments		
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					
Aquatic Plant Monitoring or Survey			7/1/2012	6/30/2015	PROPOSED

Monitoring Stations

Station ID	Name	Comments

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Assessment Units				
WBIC	Segment	Local Name	Official Name	
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
2013 Final EWM Control Permit, Virgin Lake, Oneida County	Approval of a permit application to chemically treat Eurasian Water Milfoil (EWM) on Virgin Lake in Oneida County, along with conditions that needed to be met in order for treatment to keep the permit.	Timothy M. Plude	7/6/2013	
AISED R 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 lakes ecological components, including a lakes water quality, watershed, aquatic plants, shoreland areas, fishery, and habitat condition. Next, the perceptions, needs and concerns of the lakes 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	

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<p>Three Lakes Waterfront Association 2015 AIS Monitoring and Control Report [Three Lakes Chain of Lakes, Oneida County]</p>	<p>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 years planning.</p>	<p>Three Lakes Waterfront Association</p>	<p>2/15/2015</p>	
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Budget

Combined Budgets:

Combined WSLH:

Combined Total: \$0.00

Funding

Organization	Source	Type	Amount	Start Date	End Date
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