

Wisconsin Department of Natural Resources
SWIMS Project Summary

General Project Information

Project ID: ACEI-106-12

Name: BOOT LAKE ASSN INC: Boot Lake AIS Control & Prevention Project

Type: Aquatic Invasives Grant

Subtype: Aquatic Invasives Control

Status: COMPLETE

Start Date: 10/1/2011

End Date: 6/30/2018

Purpose: Boot Lake Association is sponsoring an AIS ACEI grant on Boot Lake, in Vilas County. This is the first grant that will, cover costs for the first two years, encumbered as part of a four year project that will focus on EWM management, and AIS education, prevention and monitoring. Annual goals are to reduce the density of 75% of the treatable EWM by one level and to have a 50% decrease in littoral EWM frequency of occurrence from the point-intercept sampling. This will allow the Boot Lake association to continue management of EWM with minimal state financial assistance.

Project activities include: 1) Annual chemical treatments of EWM; 2) Volunteer hand removal of EWM; 3) Annual Pre and Post treatment monitoring and analysis; 4) Annual volunteer AIS monitoring; 5) Clean Boat Clean Water (CBCW)volunteer and paid watercraft inspections; 6) Entry of inspection and monitoring forms into SWIMS; 7) Volunteer residual herbicide monitoring; 8) Develop management strategy to protect native plants; 9) Develop annual project reports and a final report.

Project deliverables include: 1) Chemical and hand removal control of EWM; 2) Pre and post treatment survey and residual sampling data; 3) Watercraft inspector; 4) A minimum of 200 hours of watercraft inspection time; 5) Entered inspection and monitoring data into SWIMS; 6) Native plant protection strategy; 7) AIS educational, prevention and monitoring activities; 8) Annual reports and final report summarizing EWM management during project and future EWM management suggestions, CBCW activities, AIS monitoring and AIS educational activities.

Specific Conditions for this project: Annual and final reports needs WDNR review and approval.

WDNR Lakes Management Coordinator will be provided with an electronic (pdf or word) copy of final report and annual reports, pre and post treatment survey data, native plant protection strategy, all maps, GIS data, and samples of educational and outreach products.

Objective:

Comments: Grantee is BOOT LAKE ASSN INC

Outcome:

Study Design:

QA Measures:

People						
Name	Role	Status	Start Date	End Date	Organization	Comments
Boot Lake Association,	GRANT_RECIPIENT	ACTIVE	10/1/2011		Boot Lake Association	

Project Statuses

Date	Reported By	Status	Comments
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Actions

Action	Detailed Description	Start Date	End Date	Status
Watercraft Inspections Clean Boats, Clean Waters		10/1/2011	6/30/2015	PROPOSED

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Project Deliverable	Develop management strategy to protect native plants; Develop annual project reports and a final report	10/1/2011	6/30/2015	PROPOSED
APM Chemical Permit Request		10/1/2011	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			
Citrine Acres			
Citrine Liquid Acres			
Citrine Liquid Gallons			

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Details: Parameter	Value/Amount	Units	Comments
Cutrine Plus Acres			
Cutrine Plus Liquid Acres			
Cutrine Plus Liquid Gallons			
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			

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Details: Parameter	Value/Amount	Units	Comments		
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					
APM Mechanical Permit Request		10/1/2011	6/30/2015	PROPOSED	
Details: Parameter	Value/Amount	Units	Comments		
Total Acres harvested					
Total pounds of plants harvested					
Aquatic Plant Monitoring or Survey		10/1/2011	6/30/2015	PROPOSED	

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Grant Awarded		10/1/2011	6/30/2013	COMPLETE
Monitor Pre and Post Treatment		10/1/2011	6/30/2015	PROPOSED
Biomonitoring Toxicity Tests		10/1/2011	6/30/2015	PROPOSED

Monitoring Stations

Station ID	Name	Comments
643053	Boot Lake - Deep Hole	

Assessment Units

WBIC	Segment	Local Name	Official Name
1619100	1	Boot Lake	Boot Lake
1619200	1	Pickerel Creek (T40n,R9e,S2,Nwsw,64)	Pickerel 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
6/23/2016 11:05	COMPLETE	NA	643053	Boot Lake - Deep Hole
7/26/2016 11:40	COMPLETE	BOOT-S	643053	Boot Lake - Deep Hole
7/26/2016 11:45	COMPLETE	BOOT-B	643053	Boot Lake - Deep Hole
8/23/2016 15:55	COMPLETE	BOOT-S	643053	Boot Lake - Deep Hole

Documents

Title	Description	Author	Published	Comments
Boot Lake AP, SC, & WCR Appendix A	Appendix A for the Boot Lake aquatic plant, shoreline condition, and water quality final report. Public Participation Materials.	Onterra LLC	10/1/2017	

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Boot Lake AP, SC, & WQ Final Report (2017)	The aquatic plant, shoreline condition, and water quality final report for Boot Lake in Vilas County. The lake is Eutrophic, with an acreage of 295 acres with a max depth of 14 feet and a mean depth of 9. It is fed by two main tributaries, Pickerel Creek and Brazell Creek; while being drained by only one, Boot Creek which flows into Rice Lake. There are a total of 41 native species present; while only two non-native species have been recorded. The lake sees heavy boat traffic in summer, resulting in the increased risk of AIS contamination.	Emily Henrigillis, Brenton Butterfield, & Tim Hoyman	10/1/2017	
Surface Water Grant Project Lab Costs [Boot Lake ACEI- 106-12]		Tim Hoyman	6/22/2016	

Budget

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

Funding

Organization	Source	Type	Amount	Start Date	End Date
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