

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: ACEI21418

Name: BONE LAKE MANAGEMENT DISTRICT: Curlyleaf Pondweed and Giant Knotweed Control

Type: Aquatic Invasives Grant

Subtype: Aquatic Invasives Control

Status: COMPLETE

Start Date: 4/15/2018

End Date: 6/30/2021

Purpose: Bone Lake Management District is sponsoring a 2-yr project to implement approved activities from the Bone Lake Aquatic Plant Management Plan.

Project deliverables include GIS data & maps of areas monitored, aquatic plant & turion monitoring results, and management/treatment summaries.

Specific project activities include: 1) Curly-leaf pondweed herbicide control; 2) Knotweed control; 3) Pre-post treatment aquatic plant monitoring; 4) CLP bed mapping; 5) Turion monitoring.

Special Conditions: 1) WDNR\2019s Aquatic Plant Management in Wisconsin guidance shall be followed for aquatic plant monitoring; 2) Sponsor shall contact DNR immediately if a new AIS is found.

This scope summarizes the project detail provided in the application and does not negate tasks/deliverables described therein. Data, records, and reports, including GIS-based maps, and digital images, must be submitted to the Department in a format specified by the regional Lakes Biologist.

Objective:

Comments: Grantee is BONE LAKE MANAGEMENT DISTRICT

Outcome:

Study Design:

QA Measures:

People

Name	Role	Status	Start Date	End Date	Organization	Comments
Bone Lake Management District,	GRANT_RECIPIENT	ACTIVE	4/15/2018	6/30/2020	Bone Lake Management District	

Project Statuses

Date	Reported By	Status	Comments
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Actions

Action	Detailed Description	Start Date	End Date	Status
Grant Awarded	Grant ACEI21418 awarded	4/15/2018	6/30/2020	COMPLETE
APM Chemical Permit Request	Chemical permit details	2/25/2019	2/25/2019	APPROVED

Details: Parameter	Value/Amount	Units	Comments
APM Plan	Y		
Algae	N		

Wisconsin Department of Natural Resources SWIMS Project Summary

Details: Parameter	Value/Amount	Units	Comments
Algimycin PWF Algaecide / Cyanobactericide	N		
Alternative - Drawdown	N		
Alternative - Dredging	N		
Alternative - Manual Removal	N		
Alternative - Mechanical Harvesting	N		
Alternative - Nutrient Controls	Y		
Alternative - Sediment Screens	N		
Alternative - Why Not Drawdown	Not feasible		
Alternative - Why Not Dredging	Not feasible		
Alternative - Why Not Manual	Too large an area		
Alternative - Why Not Mechanical	Harvester not available, concerns regarding contract harvesting		
Alternative - Why Not Sediment Screens	Too large an area		
Aqua Star	N		
AquaPro Herbicide	N		
AquaShade Aquatic Plant Growth Control	N		
AquaStrike	N		
Aquaneat Aquatic Herbicide	N		
Aquashadow Black Pond Colorant	N		
Aquathol K Aquatic Herbicide	N		
Aquathol Super K Granular Aquatic Herbicide	N		
Avast! SC Aquatic Herbicide	N		
Business Location License	93-006836-006558		
CO – Date Sent	02/26/2019		
CONTROL_INVASIVES	Y		
CONTROL_OTHER	N		
Captain Liquid Copper Algaecide	N		
Captain XTR Liquid Copper Algaecide	N		
Category 5 Certification Number	N/A		
Chemical Permit ID	0		
Chemicals - Approved	Aquathol K		
Chemicals Permitted Previous Year	All		
Chinook	N		
Clearcast (general)	N		

**Wisconsin Department of Natural Resources
SWIMS Project Summary**

Details: Parameter	Value/Amount	Units	Comments
Clearigate	N		
Clipper Herbicide	N		
Clipper SC Aquatic Herbicide	N		
Comments	MISSING - Large-scale Treatment Worksheet		
	2/22/19 - Emailed applicant requesting map. MF		
	2/26/19 - Map received. Sent for review. MF		
Common reed (Phragmites australis)	N		
Common waterweed (Elodea canadensis)	N		
Common/Glossy Buckthorn	N		
Control - Algae	N		
Control - Emergent water plants	N		
Control - Floating water plants	N		
Control - Submerged water plants	Y		
Coontail (Ceratophyllum demersum)	N		
Curly-leaf pondweed (Potamogeton crispus)	Y		
Current	N		
Cutrine-Plus Algaecide and Herbicide	N		
Cutrine-Plus Granular Algaecide	N		
Cutrine-Ultra Algaecide / Herbicide / cyanobactericide	N		
DMA 4 IVM Herbicide	N		
Earthtec Algaecide / Bactericide	N		
Element 3A Herbicide	N		
Estimated Acres	32		
Eurasian water-milfoil (Myriophyllum spicatum)	N		
Fee	820		
Field - Date Issued	03/18/2019		
Field - Date Received	02/26/2019		
Field Issued By	Mark_Sundeen		
Flowering Rush	N		
Flumioxazin 51% WDG - NonCrop	N		
Formula F-30 Algae Control	N		
Garlon 3A Herbicide	N		

**Wisconsin Department of Natural Resources
SWIMS Project Summary**

Details: Parameter	Value/Amount	Units	Comments
Green Clean (general)	N		
Habitat (general)	N		
Harpoon (general)	N		
Harvester Landscape and Aquatic Herbicide	N		
Havoc Amine	N		
Hybrid Cattail	N		
Hybrid Watermilfoil	N		
Hydrothol 191 Aquatic Algicide and Herbicide	N		
Hydrothol Granular Aquatic Algaecide and Herbicide	N		
Improvement - swimming	N		
Japanese Knotweed	N		
K-Tea Aquatic Algaecide	N		
Komeen Aquatic Herbicide	N		
Komeen Crystal Aquatic Herbicide	N		
Lake Surface Area	1781		
Large Duckweed (Spirodela polyrhiza)	N		
Maintain navigational channel	N		
Maintain private access - boating	N		
Maintain private access - fishing	N		
Method of Application	Underwater injection and/or surface application		
Milestone Herbicide	N		
More than 1 Property Owner	Y		
NUISANCE_CAUSED_OTHER	N		
Naiad	N		
Narrow-Leaf Cattail	N		
Nautique Aquatic Herbicide	N		
Navigate	N		
Navitrol DPF Aquatic Herbicide	N		
Navitrol Landscape and Aquatic Herbicide	N		
Nutri-Sorb	N		
Orb-3 (general)	N		
Overflow Controlled	N		
PLSS_DIRECTION	W		
PLSS_RANGE	16		
PLSS_SECTION	20		
PLSS_TOWNSHIP	35		

**Wisconsin Department of Natural Resources
SWIMS Project Summary**

Details: Parameter	Value/Amount	Units	Comments
Payment Number	2004		
Permit County	Polk		
Permit End Year	2019		
Permit Latitude	45.5045809		
Permit Longitude	-92.3838000		
Permit PLSS Section	20 T35N R16W		
Permit Start Year	2019		
Permit WBIC	2628100		
Phycomycin SCP Algaecide and Oxidizer	N		
Polaris	N		
Polaris AC	N		
Pond-Klear	N		
Pondweeds	N		
Private Pond	N		
ProcellaCOR EC	N		
Purple loosestrife (Lythrum salicaria)	N		
Reed Canary Grass	N		
Reed Manna Grass	N		
Refuge Herbicide	N		
Renovate 3	N		
Renovate LZR Aquatic Herbicide	N		
Renovate LZR Max Aquatic Herbicide	N		
Renovate Max G Aquatic Herbicide	N		
Renovate OTF Aquatic Herbicide	N		
Restricted Use License	See Attachment A		
Reward Landscape and Aquatic Herbicide	N		
Rodeo Herbicide	N		
Roundup Custom for Aquatic & Terrestrial Use	N		
SCI-62 Algicide / Bactericide	N		
Sculpin G Aquatic Herbicide	N		
SeClear (general)	N		
SeClear G Algaecide and Water Quality Enhancer	N		
Sensitive Area	Y		
SharePoint_Number	AP-IP-NO-2019-49-2050		
Shoreklear-Plus Aquatic Herbicide	N		

Wisconsin Department of Natural Resources SWIMS Project Summary

Details: Parameter	Value/Amount	Units	Comments
Shredder Amine 4	N		
Sonar A.S.	N		
Sonar Genesis Aquatic Herbicide	N		
Sonar H4C Aquatic Herbicide	N		
Sonar PR Precision Release	N		
Sonar Q Aquatic Herbicide	N		
Sonar RTU Aquatic Weed Herbicide	N		
Sonar SRP Aquatic Herbicide	N		
SonarOne Aquatic Herbicide	N		
Starry Stonewort	N		
Stingray Aquatic Herbicide	N		
Surface Water Discharge	Y		
Symmetry NXG	N		
TREATMENT_AREA	Bone Lake		
Touchdown Pro	N		
Treatment Area Greater Than 5%	N		
Tribune Herbicide	N		
WPDES Coverage	N		
Waterbody Type	Lake		
Waterbody have Public Access	Y		
Weedar 64 Broadleaf Herbicide	N		
Weedestroy AM-40 Amine Salt - Selective Weed Killer	N		
Yellow Floating Heart	N		
Yellow Iris	N		

Monitoring Stations

Station ID	Name	Comments
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Assessment Units

WBIC	Segment	Local Name	Official Name
2626800	1	Fox Creek	Fox Creek
2628100	1	Bone Lake T35n R16w S06	Bone Lake
2628200	1	Prokor Creek	Prokor Creek
2628300	1	Local Water	Unnamed
2628400	1	Local Water	Unnamed
5005244	1	Local Water	Unnamed
5005251	1	Local Water	Unnamed

Wisconsin Department of Natural Resources SWIMS Project Summary

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
ACEI21418_Bone Lake 2021 CLP Herbicide Treatment Analysis	On May 17 and 24, 2021 13.07 acres of curly-leaf pondweed (CLP) (<i>Potamogeton crispus</i>) was treated with endothall. The same beds treated in previous years were adjusted somewhat to reflect changes made in the plant management plan. A pretreatment survey was conducted in April and a posttreatment survey was conducted in June during peak growth in other areas of the lake.	Ecological Integrity Service	6/1/2021	

Budget

Combined Budgets:

Combined WSLH:

Combined Total: \$0.00

Funding

Organization	Source	Type	Amount	Start Date	End Date
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