

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: ACEI22319

Name: NORTH & SOUTH TWIN LAKES P & R DISTRICT: North and South Twin EWM Control and Prevention Project 2019-21

Type: Aquatic Invasives Grant

Subtype: Aquatic Invasives Control

Status: COMPLETE

Start Date: 4/15/2019

End Date: 6/30/2022

Purpose: North and South Twin Lakes P&R District is sponsoring and ACEI grant on North and South Twin Lakes in Vilas County, to be completed by December 2021.

Project Activities:

1. Integrated pest management for EWM using fluridone on South Twin.
2. Integrated pest management for EWM using ProcellaCOR, DASH, and hand harvesting on North Twin
3. Herbicide concentration monitoring on North and South Twin
4. Point intercept survey on South Twin in 2018, 2020, 2021
5. Clean Boats Clean Waters (CBCW) efforts

Project deliverables include:

1. Water quality results and CBCW entered into SWIMS
2. Annual AIS monitoring and control strategy reports
3. Point Intercept and EWM Mapping Surveys
4. Herbicide concentration results
5. Final report summarizing AIS mgmt. and future AIS mgmt. and monitoring suggestions

Specific project conditions:

Final report needs DNR review and approval.

WDNR Lakes Management Coordinator will be provided with an electronic (pdf or word) copy of annual reports, final report, survey data, and all maps and GIS from the project.

Objective:

Comments: Grantee is NORTH & SOUTH TWIN LAKES P & R DISTRICT

Outcome:

Study Design:

QA Measures:

People

Name	Role	Status	Start Date	End Date	Organization	Comments
North and South Twin Lakes Rip	GRANT_RECIPIENT	ACTIVE	4/15/2019	6/30/2022	North and South Twin Lakes Riparian Association	

Project Statuses

Date	Reported By	Status	Comments
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Actions				
Action	Detailed Description	Start Date	End Date	Status
Grant Awarded	Grant ACEI22319 awarded	4/15/2019	6/30/2022	COMPLETE
APM Chemical Permit Request	Chemical permit details	6/20/2019	6/20/2019	APPROVED
Details: Parameter	Value/Amount	Units	Comments	
APM Plan	Y			
Algae	N			
Algimycin PWF Algaecide / Cyanobactericide	N			
Alternative - Drawdown	N			
Alternative - Dredging	N			
Alternative - Manual Removal	N			
Alternative - Mechanical Harvesting	N			
Alternative - Nutrient Controls	N			
Alternative - Sediment Screens	N			
Alternative - Why Not Drawdown	Not an option			
Alternative - Why Not Dredging	too costly/not an option			
Alternative - Why Not Manual	too large dense bed			
Alternative - Why Not Mechanical	Spreads plant fragments as in isolated bed right now			
Alternative - Why Not Nutrient Control	Not site specific			
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	N/A			
CO - # days	0			
CO – Date Sent	06/20/2019			
CONTROL_INVASIVES	Y			
CONTROL_OTHER	N			
Captain Liquid Copper Algaecide	N			

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Details: Parameter	Value/Amount	Units	Comments
Captain XTR Liquid Copper Algaecide	N		
Category 5 Certification Number	061742		
Chemical Permit ID	0		
Chemicals - Approved	ProcellaCOR		
Chemicals Permitted Previous Year	None		
Chinook	N		
Clearcast (general)	N		
Clearigate	N		
Clipper Herbicide	N		
Clipper SC Aquatic Herbicide	N		
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)	N		
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	0.56		
Eurasian water-milfoil (Myriophyllum spicatum)	Y		
Fee	45		
Field - Date Issued	06/21/2019		
Field - Date Received	06/20/2019		
Field Issued By	Mark_Sundeen		
Flowering Rush	N		

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Details: Parameter	Value/Amount	Units	Comments
Flumioxazin 51% WDG - NonCrop	N		
Formula F-30 Algae Control	N		
Garlon 3A Herbicide	N		
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	129		
Large Duckweed (Spirodela polyrhiza)	N		
Maintain navigational channel	N		
Maintain private access - boating	N		
Maintain private access - fishing	N		
Method of Application	metered, weighted drop lines from GPS guided boat		
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		

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Details: Parameter	Value/Amount	Units	Comments
PLSS_DIRECTION	W		
PLSS_RANGE	16		
PLSS_SECTION	28		
PLSS_TOWNSHIP	33		
Payment Number	841		
Permit County	Polk		
Permit End Year	2019		
Permit Latitude	45.3147806		
Permit Longitude	-92.3690120		
Permit PLSS Section	28 33N16W		
Permit Start Year	2019		
Permit WBIC	2623900		
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		
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	N		

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Details: Parameter	Value/Amount	Units	Comments
SharePoint_Number	AP-IP-NO-2019-49-5084		
Shoreklear-Plus Aquatic Herbicide	N		
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	North Twin 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		
Wind Direction	061742		
Yellow Floating Heart	N		
Yellow Iris	N		

Monitoring Stations

Station ID	Name	Comments
10053822	North Twin Lake - Herbicide Monitoring Site NT 2	
10053821	North Twin Lake - Herbicide Monitoring Site NT1	

Assessment Units

WBIC	Segment	Local Name	Official Name
1623700	1	Twin Lakes	Twin Lakes (South)
1623800	1	Twin Lakes	Twin Lakes (North)

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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	Method Description
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Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
6/17/2020 10:30	COMPLETE	NT1-1 HAT	10053821	North Twin Lake - Herbicide Monitoring Site NT1
6/17/2020 10:30	COMPLETE	NT2-1 HAT	10053822	North Twin Lake - Herbicide Monitoring Site NT 2
6/17/2020 11:30	COMPLETE	NT1-2 HAT	10053821	North Twin Lake - Herbicide Monitoring Site NT1
6/17/2020 11:30	COMPLETE	NT2-2 HAT	10053822	North Twin Lake - Herbicide Monitoring Site NT 2
6/17/2020 13:30	COMPLETE	NT1-4 HAT	10053821	North Twin Lake - Herbicide Monitoring Site NT1
6/17/2020 13:30	COMPLETE	NT2-4 HAT	10053822	North Twin Lake - Herbicide Monitoring Site NT 2
6/17/2020 15:30	COMPLETE	NT1-6 HAT	10053821	North Twin Lake - Herbicide Monitoring Site NT1
6/17/2020 15:30	COMPLETE	NT2-6 HAT	10053822	North Twin Lake - Herbicide Monitoring Site NT 2
6/17/2020 18:30	COMPLETE	NT1-9 HAT	10053821	North Twin Lake - Herbicide Monitoring Site NT1
6/17/2020 18:30	COMPLETE	NT2-9 HAT	10053822	North Twin Lake - Herbicide Monitoring Site NT 2
6/18/2020 9:30	COMPLETE	NT1-24 HAT	10053821	North Twin Lake - Herbicide Monitoring Site NT1
6/18/2020 9:30	COMPLETE	NT2-24 HAT	10053822	North Twin Lake - Herbicide Monitoring Site NT 2
6/18/2020 21:30	COMPLETE	NT1-36 HAT	10053821	North Twin Lake - Herbicide Monitoring Site NT1
6/18/2020 21:30	COMPLETE	NT2-36 HAT	10053822	North Twin Lake - Herbicide Monitoring Site NT 2

Documents

Title	Description	Author	Published	Comments
North & South Twin Lake - EWM - Final Report -2019		Onterra	10/15/2019	

Budget

Combined Budgets:

Combined WSLH:

Combined Total: \$0.00

Funding

Organization	Source	Type	Amount	Start Date	End Date
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