

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: ACEI-147-14

Name: MID LAKE PROTECTION & MANAGEMENT DISTRICT: Mid Lake AIS Control & Prevention Project phase 2, 2014-2017

Type: Aquatic Invasives Grant

Subtype: Aquatic Invasives Control

Status: COMPLETE

Start Date: 10/1/2013

End Date: 12/31/2022

Purpose: The Mid Lake P&R District is sponsoring an AIS ACEI grant on Mid Lake, in Oneida County. This project will focus on Curly Leaf Pondweed and Purple Loosestrife management in Mid Lake and also update the Mid Lake Management Plan (LMP).

Project activities include: 1) Annual chemical treatments and manual removal of CLP; 2) Annual Pre/Post treatment monitoring and analysis; 3) Annual volunteer AIS and herbicide concentration monitoring; 4) PL mapping and control; 5) Early-season AIS surveys; 6) Conduct volunteer and paid watercraft inspections; 7) Entry of inspection and monitoring data onto SWIMS; 8) Point-intercept (PI) aquatic plant survey and community mapping; 9) Develop annual project report and an updated LMP plan; 10) Stakeholder participation: budget and grant meeting and project status/informational meeting; 11) Develop annual project report and a final report.

Project deliverables include: 1) Chemical and manual removal of CLP and PL; 2) Pre/post treatment, PI survey and community mapping data; 3) Entered inspection and monitoring data onto SWIMS; 4) AIS educational, prevention and monitoring activities; 5) Annual reports and an updated LMP plan summarizing EWM management during project and future EWM management direction, boat washing activities, inspection activities, AIS monitoring and AIS educational activities.

Specific Conditions for this project: Annual reports and LMP need Dept review and approval.

WDNR Lakes Management Coordinator will be provided with an electronic (pdf or word) copy of updated LMP, all annual reports, all maps, all GIS, survey data (pre/post treatment, early-season and PI), samples of educational and outreach products, and aquatic plant vouchers.

Objective:

Comments: Grantee is MID LAKE PROTECTION & MANAGEMENT DISTRICT

Outcome:

Study Design:

QA Measures:

People

Name	Role	Status	Start Date	End Date	Organization	Comments
Heath, Eddie	TEAM_MEMBER	ACTIVE	5/28/2021		Onterra, LLC	
Iordachescu, Leslie	TEAM_MEMBER	ACTIVE	8/4/2021		Tomahawk Lake Association	
Mid Lake Protection And Manage	GRANT_RECIPIENT	ACTIVE	10/1/2013	6/30/2018	Mid Lake Protection And Management District	

Project Statuses

Date	Reported By	Status	Comments
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Actions

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Action	Detailed Description	Start Date	End Date	Status
Monitor Pre and Post Treatment		10/1/2013	6/30/2018	PROPOSED
Lake Management Plan Development	Update LMP	10/1/2013	6/30/2018	PROPOSED
Informational Meetings	Stakeholder Participation: Budget & Grant meeting; Project/informational meeting	10/1/2013	6/30/2018	PROPOSED
Biomonitoring Toxicity Tests	Herbicide concentration monitoring	10/1/2013	6/30/2018	PROPOSED
Project Deliverable	Annual Reports	10/1/2013	6/30/2018	PROPOSED
Aquatic Plant Monitoring or Survey	Purple Loosestrife Control and Mapping	10/1/2013	6/30/2018	PROPOSED
APM Mechanical Permit Request	Manual CLP Removal	10/1/2013	6/30/2018	PROPOSED

Details: Parameter	Value/Amount	Units	Comments	
Total Acres harvested				
Total pounds of plants harvested				
Aquatic Plant Monitoring or Survey	PI Surveys and Community Mapping	10/1/2013	6/30/2018	PROPOSED
Monitor Invasive Species		10/1/2013	6/30/2018	PROPOSED
Project Deliverable	Final Report	10/1/2013	6/30/2018	PROPOSED
APM Chemical Permit Request		10/1/2013	6/30/2018	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			

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Details: Parameter	Value/Amount	Units	Comments
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			
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			

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Details: Parameter	Value/Amount	Units	Comments
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			
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			

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Details: Parameter	Value/Amount	Units	Comments		
Sonor AS Acres					
Touchdown Pro Acres					
Touchdown Pro Gallons					
Treatment Date					
Treatment Date Series					
Tribune Acres					
Tribune Gallons					
Vectobac Acres					
Vectobac Gallons					
Grant Awarded			10/1/2013	6/30/2018	COMPLETE

Monitoring Stations

Station ID	Name	Comments
10001446	Mid Lake	
443469	Mid Lake - Deep Hole	

Assessment Units

WBIC	Segment	Local Name	Official Name
1542600	1	Mid Lake	Mid Lake

Lab Account Codes

Account Code	Description	Start Date	End Date
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Forms

Form Code	Form Name
SECCHI_TEMPDO_PLUS	Lake Monitoring - Secchi, Temp., D.O., pH, Conductivity

Methods

Method Code	Method Description
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Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
5/1/2019 11:15	COMPLETE	MIDB-SPRING-B	443469	Mid Lake - Deep Hole
5/1/2019 11:15	COMPLETE	MIDS- SPRING-S	443469	Mid Lake - Deep Hole
6/11/2019 10:30	COMPLETE	MIDS-JUNE-S	443469	Mid Lake - Deep Hole
7/18/2019 13:00	COMPLETE	MIDB-JULY-B	443469	Mid Lake - Deep Hole
7/18/2019 13:00	COMPLETE	MIDS-JULY-S	443469	Mid Lake - Deep Hole
8/12/2019 11:00	COMPLETE	MIDS-AUGUST-S	443469	Mid Lake - Deep Hole
10/23/2019 8:15	COMPLETE	MIDS-FALL-B	443469	Mid Lake - Deep Hole
10/23/2019 8:15	COMPLETE	MIDS-FALL-S	443469	Mid Lake - Deep Hole

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2/12/2020 10:45	COMPLETE	MIDB - WINTER B	443469	Mid Lake - Deep Hole
2/12/2020 10:45	COMPLETE	MIDS - WINTER S	443469	Mid Lake - Deep Hole
4/25/2021	COMPLETE		10001446	Mid Lake

Documents

Title	Description	Author	Published	Comments
Mid Lake AIS Control & Prevention Projecy: 2013-2017		Onterra, LLC	8/1/2013	

Budget

Combined Budgets:

Combined WSLH:

Combined Total: \$0.00

Funding

Organization	Source	Type	Amount	Start Date	End Date
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