

# Wisconsin Department of Natural Resources SWIMS Project Summary

## General Project Information

**Project ID:** ACEI22118

**Name:** GOLDEN LAKE ASSOCIATION, INC: 3 yrs EWM/CLP IPM Control for Golden Lake

**Type:** Aquatic Invasives Grant

**Subtype:** Aquatic Invasives Control

**Status:** COMPLETE

**Start Date:** 4/15/2018

**End Date:** 12/31/2021

**Purpose:** The Golden Lake Association is sponsoring a project to continue the control curly leaf pondweed, Eurasian water milfoil and hybrid milfoil in Golden Lake.

Project activities include: 1) 3 years of DASH harvesting for invasive species in the northern bay, designed as NR 107 sensitive area; 2) Hand removal of invasive species in various bays by snorkeling; 3) Hand removal of invasive species by scuba diving in deeper water; 4) completion of a full lake point intercept plant survey in the late summer of 2020; and 5) completion of aquatic bed maps in the late summers of 2018 and 2019 showing stands of invasive species.

Project deliverables include: 1) Annual progress reports detailing the past years\2019 activities and accomplishments; 2) a final report showing maps of managed areas, tables of activities, summaries of the efforts for each species and a description of the successes and shortcomings of the project; 3) results of the 2020 P/I survey incorporated into the final report to include plant distribution maps, tables comparing data from previous years, and tables showing plant survey statistics; 4) electronic copies of GIS maps, harvesting records and the final report.

Specific project conditions: A draft copy of the final report will be provided to the WDNR for review before the report is finalized. WDNR will be provided electronic and hard copies of data and reports/plans generated as a result of this project.

If consultant is to provide final report, it is recommended that Grantee provide DNR Lake Coordinator with a draft for comment on report adequacy prior to making final payment to the consultant. DNR to receive both paper and electronic .pdf copies of the final report along with, or prior to submission of grantee's final payment request.

**Objective:**

**Comments:** Grantee is GOLDEN LAKE ASSOCIATION, INC

**Outcome:**

**Study Design:**

**QA Measures:**

## People

Name	Role	Status	Start Date	End Date	Organization	Comments
Golden Lake Association,	GRANT_RECIPIENT	ACTIVE	4/15/2018	12/31/2020	Golden Lake Association	

## Project Statuses

Date	Reported By	Status	Comments
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## Actions

Action	Detailed Description	Start Date	End Date	Status
APM Chemical Permit Request	Chemical Permit Details	3/29/2018	4/6/2018	APPROVED

## Wisconsin Department of Natural Resources SWIMS Project Summary

Details: Parameter	Value/Amount	Units	Comments
Broad-leaved cattail ( <i>Typha latifolia</i> )	N		
Business Location License	N/A		
CO - # days	6		
CO - 15 days	Y		
CO – Date Sent	4/6/2018		
CO-Date_Received	3/29/2018		
CONTROL_OTHER	N		
Category 5 Certification Number	N/A		
Chemical Permit ID	5942		
Chemicals - Approved	Navigate*, DMA4-IVM (Platoon, CleanAmine, Weedar 64-all same active ingredient and% as DMA4-IVM), Aquathol-K (liquid), Aquathol Super K. *Navigate may be used for treatment of small beds of Milfoil.		
Comments	N/A		
Common arrowhead ( <i>Sagittaria latifolia</i> )	N		
Common reed ( <i>Phragmites australis</i> )	N		
Common waterweed ( <i>Elodea canadensis</i> )	N		
Control - Algae	N		
Control - Emergent water plants	N		
Control - Floating water plants	N		
Control - Nuisance algae	N		
Control - PL	N		
Control - Submerged water plants	Y		
Coontail ( <i>Ceratophyllum demersum</i> )	N		
Curly-leaf pondweed ( <i>Potamogeton crispus</i> )	Y		
Entered in SharePoint	Y		
Estimated Acres	9		
Eurasian water-milfoil ( <i>Myriophyllum spicatum</i> )	Y		
Fee	245		
Field - # days	Y		
Field Issued By	Heidi_Bunk		
Filamentous Algae	N		
Improvement - swimming	N		
Lake Surface Area			

# Wisconsin Department of Natural Resources

## SWIMS Project Summary

Details: Parameter	Value/Amount	Units	Comments
Large Duckweed (Spirodela polyrhiza)	N		
Large Scale Treatment Form	N		
Large-leaf pondweed (Potamogeton amplifolius)	N		
Maintain navigational channel	N		
Maintain private access - boating	N		
Maintain private access - fishing	N		
Muskgrasses (Chara )	N		
NUISANCE_CAUSED_OTHER	N		
Native Plants	N		
Next Steps	Heidi Bunk		
Other Plants	Eurasian Watermilfoil, CurlyleafPondweed		
PLSS_DIRECTION	E		
PLSS_RANGE	17		
PLSS_SECTION	31		
PLSS_TOWNSHIP	07		
Payment Number	1003		
Permit County	Waukesha		
Permit End Year	2018		
Permit Latitude	43.026820		
Permit Longitude	-88.534570		
Permit PLSS Section	31 07N17E		
Permit Start Year	2018		
Permit WBIC	775900		
Pithophora	N		
Planktonic Algae	N		
Private Pond	N		
Purple loosestrife (Lythrum salicaria)	N		
SharePoint Submittal	N		
Softstem bulrush (Schoenoplectus tabernaemontani)	N		
Sogo pondweed (Stuckenia pectinata)	N		
TREATMENT_AREA	Golden Lake		
Treatment Date	N		
Treatment Date	N		
Treatment Record - Received	N		
Treatment Record - Scanned	N		
Waterbody Type	LAKE		

## Wisconsin Department of Natural Resources SWIMS Project Summary

Grant Awarded	Grant ACEI22118 awarded	4/15/2018	12/31/2020	COMPLETE
APM Chemical Permit Request	Chemical permit details	3/21/2019	3/21/2019	APPROVED

Details: Parameter	Value/Amount	Units	Comments
APM Plan	Y		
Algae	N		
Algimycin PWF Algaecide / Cyanobactericide	N		
Alternative - Drawdown	N		
Alternative - Dredging	Y		
Alternative - Manual Removal	Y		
Alternative - Mechanical Harvesting	N		
Alternative - Nutrient Controls	Y		
Alternative - Sediment Screens	Y		
Alternative - Why Not Drawdown	Not feasible due to depth at which EWM occurs		
Alternative - Why Not Mechanical	May exacerbate EWM		
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	Y		
Aquathol Super K Granular Aquatic Herbicide	Y		
Avast! SC Aquatic Herbicide	N		
Business Location License	93-010049-005505		
CO - # days	3		
CO – Date Sent	03/21/2019		
CONTROL_INVASIVES	Y		
CONTROL_OTHER	N		
Captain Liquid Copper Algaecide	N		
Captain XTR Liquid Copper Algaecide	N		
Category 5 Certification Number	93-001517		
Chemical Permit ID	0		
Chemicals - Approved	Platoon, CleanAmine,		
Chemicals Permitted Previous Year	Some		
Chinook	N		

## Wisconsin Department of Natural Resources SWIMS Project Summary

Details: Parameter	Value/Amount	Units	Comments
Clearcast (general)	N		
Clearigate	N		
Clipper Herbicide	N		
Clipper SC Aquatic Herbicide	N		
Comments	Proposed Chemicals (Under Chemical Control) left blank for reviewer to complete. 03/21/2019 - Feigal		
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	9.93		
Eurasian water-milfoil (Myriophyllum spicatum)	Y		
Fee	270		
Field - # days	24		
Field - Date Issued	04/24/2019		
Field - Date Received	03/21/2019		
Field Issued By	Heidi_Bunk		
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	252		
Large Duckweed (Spirodela polyrhiza)	N		
Maintain navigational channel	N		
Maintain private access - boating	N		
Maintain private access - fishing	N		
Method of Application	Electric powered, metered injection system. Granular Spreader/Blowers		
Milestone Herbicide	N		
More than 1 Property Owner	Y		
NUISANCE_CAUSED_OTHER	N		
Naiad	N		
Narrow-Leaf Cattail	N		
Nautique Aquatic Herbicide	N		
Navigate	Y		
Navitrol DPF Aquatic Herbicide	N		
Navitrol Landscape and Aquatic Herbicide	N		
Nutri-Sorb	N		
Orb-3 (general)	N		
Overflow Controlled	N		
PLSS_DIRECTION	E		
PLSS_RANGE	17		
PLSS_SECTION	31		

## Wisconsin Department of Natural Resources SWIMS Project Summary

Details: Parameter	Value/Amount	Units	Comments
PLSS_TOWNSHIP	07		
Payment Number	1016		
Permit County	Waukesha		
Permit End Year	2019		
Permit Latitude	43.0268200		
Permit Longitude	-88.5345700		
Permit PLSS Section	31 T07N R17E		
Permit Start Year	2019		
Permit WBIC	775900		
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	Y		
SharePoint_Number	AP-IP-SE-2019-68-2346		
Shoreklear-Plus Aquatic Herbicide	N		

7/25/2024

## 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	Golden 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	Y		
Weedestroy AM-40 Amine Salt - Selective Weed Killer	N		
Wind Direction	93-001517		
Yellow Floating Heart	N		
Yellow Iris	N		
APM Chemical Treatment Record		8/19/2019	COMPLETE

Details: Parameter	Value/Amount	Units	Comments
Air Temperature	61		
Air Temperature Units	F		
Broad-leaved cattail (Typha latifolia)	SP		
Common waterweed (Elodea canadensis)	SP		
Contains Herbicide totals	Y		
Coontail (Ceratophyllum demersum)	SP		
Curly-leaf pondweed (Potamogeton crispus)	SP		
Duration of Chemical Residualts	21 days		

Wisconsin Department of Natural Resources  
SWIMS Project Summary

Details: Parameter	Value/Amount	Units	Comments
Eurasian water-milfoil (Myriophyllum spicatum)	TS		
Herbicide Treatment and Water Use Restriction Signs Posted in Accordance with NR 107?	Y		
Large-leaf pondweed (Potamogeton amplifolius)	SP		
Muskgrasses (Chara )	SP		
OTHER_Aquatics	SP		
OTHER_Aquatics_Desc	Wild Celery		
Onsite Supervision	No		
Permit County	Waukesha		
Permit Year	2018		
Person Completing Form	Brian Suffern		
Sogo pondweed (Stuckenia pectinata)	SP		
Treatment Date	06/05/2018		
Treatment End Time	11:15		
Treatment Start Time	9:00		
Water Temperature	71		
Water Temperature Units	F		
Water Use Restriction - Animal Water	N		
Water Use Restriction - Crop Irrigation	N		
Water Use Restriction - Drinking Water	N		
Water Use Restriction - Fish Consumption	N		
Water Use Restriction - None	N		
Water Use Restriction - Other Irrigation	N		
Water Use Restriction - Swimming	N		
Wind Direction	NE		
Wind Speed	8		

Monitoring Stations

Station ID	Name	Comments
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Assessment Units

WBIC	Segment	Local Name	Official Name
775900	1	Golden Lake	Golden Lake

Lab Account Codes

Wisconsin Department of Natural Resources  
SWIMS Project Summary

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
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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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