

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: ACEI18316
Name: GOLDEN LAKE ASSOCIATION, INC: Golden Lake Association, Inc. 2016-2017 AIS Grant
Type: Aquatic Invasives Grant
Subtype: Aquatic Invasives Control
Status: COMPLETE
Start Date: 04/15/2016
End Date: 12/31/2017
Purpose: The Golden Lake Association is sponsoring an integrated pest management project on Golden Lake.

Project deliverables: 2017 full point intercept (P/I) plant survey results; summary of 2016 & 2017 hand pulling efforts, summary of 2016 & 2017 DASH harvesting; late summer 2016 littoral survey results; final report evaluating the effectiveness of hand pulling, DASH, chemical treatment (not funded); discussion of goals in the 2015 APM plan; copies of permits, and data entry into SWIMS.

Project activities: 1) Conduct DASH harvesting in 2016 & 2017 (approx. 2 acres/yr); 2) Conduct a full P/I survey in summer 2017; 3) Conduct hand removal efforts in 2016 & 2017; 4) Conduct a littoral zone survey in late summer 2016; 5) Generate a final report.

Special Conditions: 1) All data shall be entered into the SWIMS database; 2) Volunteer and equipment use lists and signatures shall be maintained for reporting in kind volunteer labor and equipment. 3) Final report to analyze the 2017 data and include distribution and density maps for hybrid/Eurasian water milfoil, curly leaf pondweed, and the top 7 native plant species. Final report to also include a table listing the species found in the lake in all years surveyed, including historical data, frequency of occurrence and relative density. Final report to evaluate the effectiveness of the integrated pest management project.

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 Lake Biologist.

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_RECIP	ACTIVE	06/01/2016		Golden Lake Association	

Project Statuses

Date	Reported By	Status	Comments
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Actions

Action	Detailed Description	Start	End Date	Status
Grant Awarded	Grant ACEI18316 awarded	04/15/2016	12/31/2017	COMPLETE

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Action	Detailed Description	Start	End Date	Status
APM Chemical Permit Request	Chemical Permit Details	02/03/2017	10/01/2017	APPROVED
Details:	Parameter	Value/Amount	Units	Comments
	APM Plan	N		
	APM Plan Agree	N		
	Advance Notification	N		
	Broad-leaved cattail (Typha latifolia)	N		
	Business Location License	N/A		
	CHEMICAL_PERMIT_ID	3683		
	CO - # days	1		
	CO - 15 days	Y		
	CO - Date Sent	2/6/2017		
	CO-Date_Received	2/3/2017		
	CONTROL_INVASIVES	N		
	CONTROL_OTHER	N		
	Category 5 Certification Number	N/A		
	Chemicals - Approved	DMAIVM, Aquathol K		
	Common arrowhead (Sagittaria latifolia)	N		
	Common reed (Phragmites australis)	N		
	Common waterweed (Elodea canadensis)	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 (Ceratophyllum demersum)	N		
	Curly-leaf pondweed (Potamogeton crispus)	Y		
	Entered in SharePoint	N		
	Estimated Acres	9		
	Eurasian water-milfoil (Myriophyllum spicatum)	Y		
	Expiration Date	10/1/2017		
	Fee	2445		
	Field - 15 days	N		
	Field Issued By	Heidi_Bunk		
	Filamentous Algae	N		
	Improvement - swimming	Y		
	Lake Surface Area			
	Large Duckweed (Spirodela polyrhiza)	N		
	Large Scale Treatment Form	N		
	Large-leaf pondweed (Potamogeton amplifolius)	N		
	Maintain navigational channel	Y		

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Action	Detailed Description	Start	End Date	Status
Details: Parameter	Value/Amount	Units	Comments	
Maintain private access - boating	N			
Maintain private access - fishing	N			
Muskgrasses (Chara)	N			
NUISANCE_CAUSED_OTHER	N			
Native Plants	N			
Next Steps	Heidi			
Permit County	Waukesha			
Permit End Year	2017			
Permit Latitude	43.026820			
Permit Longitude	-88.534570			
Permit PLSS Section	31 07N 17E			
Permit Start Year	2017			
Permit WBIC	N/A			
Permit Year	2017			
Pithophora	N			
Planktonic Algae	N			
Private Pond	N			
Purple loosestrife (Lythrum salicaria)	N			
Sensitive Area	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			

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Action	Detailed Description	Start	End Date	Status
APM Chemical Treatment Record	Chemical treatment details	06/06/2017	06/06/2017	COMPLETE
Details:	Parameter	Value/Amount	Units	Comments
	24D Granular, # Acres	0		
	24D Granular, # Pounds	0		
	24D Liquid, # Acres	0		
	24D Liquid, # Pounds	0		
	Air Temperature	72		
	Air Temperature Units	F		
	Aqua-Pro Acres	0		
	Aqua-Pro Gallons	0		
	Aquaneat Acres	0		
	Aquaneat Gallons	0		
	Aquashade Acres	0		
	Aquashade Pounds	0		
	Aquastar Acres	0		
	Aquastar Gallons	0		
	Aquathol Acres	0		
	Aquathol Gallons	0		
	Aquathol K Acres	0		
	Aquathol K Gallons	0		
	Aquathol Super K, # Acres	0		
	Aquathol Super K, # Pounds	0		
	Aquathol, # Acres Gallons	0		
	Aquathol, # Pounds	0		
	Avast Acres	0		
	Avast Gallons	0		
	CHEMICAL_PERMIT_ID	3683		
	CHEMICAL_TREATMENT_ID	6104		
	Captain XTR, # Acres	0		
	Captain XTR, # Gallons	0		
	Clearcast Acres	0		
	Clearcast Gallons	0		
	Clearigate Acres	0		
	Clearigate Gallons	0		
	Contains Herbicide totals	Y		
	Copper Acres	0		
	Copper Liquid, # Acres	0		
	Copper Liquid, # Gallons	0		
	Copper Pounds	0		
	Citrine Acres	0		
	Citrine Liquid Acres	0		
	Citrine Liquid Gallons	0		
	Citrine Plus Acres	0		
	Citrine Plus Liquid Acres	0		
	Citrine Plus Liquid Gallons	0		
	Citrine Plus Pounds	0		
	Citrine Pounds	0		

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Action	Detailed Description	Start	End Date	Status
Details: Parameter	Value/Amount	Units	Comments	
	Citrine Ultra Acres	0		
	Citrine Ultra Gallons	0		
	DMA 4 IVM Acres	4.5		
	DMA 4 IVM Gallons	67.5		
	Did Treatments Occur	Y		
	Diquat Acres	0		
	Diquat Gallons	0		
	Diquat Liquid Acres	0		
	Diquat Pounds	0		
	Endothol Acres	0		
	Endothol Liquid Acres	0		
	Endothol Liquid Gallons	0		
	Endothol Pounds	0		
	Floridone Acres	0		
	Floridone Gallons	0		
	Glyphosate Acres	0		
	Glyphosate Gallons	0		
	Glyphosate Liquid Acres	0		
	Glyphosate Pounds	0		
	Green Clean Acres	0		
	Green Clean Gallons	0		
	H2O2 Acres	0		
	H2O2 Pounds	0		
	Habitat Acres	0		
	Habitat Gallons	0		
	Harvester Acres	0		
	Harvester Gallons	0		
	Herbicide Treatment and Water Use Restriction Signs Posted in Accordance with NR 107?	Y		
	Hydrothol Acres	0		
	Hydrothol Gallons	0		
	Imazapyr Acres	0		
	Imazapyr Gallons	0		
	Nautique Acres	0		
	Nautique Gallons	0		
	Navigate Acres	0		
	Navigate, # Pounds	0		
	Onsite Supervision	N		
	Permit County	Waukesha		
	Permit Year	2017		
	Person Completing Form	N/A		
	Phycomycin Acres	0		
	Phycomycin Pounds	0		
	Polaris Acres	0		
	Polaris Gallons	0		

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Details: Parameter	Value/Amount	Units	Comments	
Refuge Acres	0			
Refuge Gallons	0			
Reward Acres	0			
Reward Gallons	0			
Reward Liquid Acres	0			
Reward Pounds	0			
Rodeo Acres	0			
Rodeo Gallons	0			
SCI-62 Acres	0			
SCI-62 Gallons	0			
Sculpin G Acres	0			
Sculpin G Pounds	0			
SeClear Acres	0			
SeClear Gallons	0			
ShoreKlear Acres	0			
ShoreKlear Gallons	0			
Sonar AS Gallons	0			
Sonor AS Acres	0			
Touchdown Pro Acres	0			
Touchdown Pro Gallons	0			
Treatment Date	6/6/2017			
Tribune Acres	0			
Tribune Gallons	0			
Vectobac Acres	0			
Vectobac Gallons	0			
Water Temperature	70			
Water Temperature Units	F			
Wind Direction	N/A			
Wind Speed	5-10			

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

Account Code	Description	Start Date	End Date
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Forms

Form Code	Form Name
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Methods

Method Code	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 SLOH:

Combined Total:

Funding

Organization	Source	Type	Amount	Start Date	End Date
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