

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: ACEI18516
Name: TOMAHAWK LAKE ASSOCIATION: Tomahawk Lake AIS Control Grant for 2016
Type: Aquatic Invasives Grant
Subtype: Aquatic Invasives Control
Status: COMPLETE
Start Date: 04/15/2016
End Date: 12/31/2016
Purpose: Tomahawk Lake Association, Inc is sponsoring an ACEI grant on the Tomahawk Lake system, in Oneida County. This is a one year project that will focus on AIS management.

Project activities include: 1) Annual chemical treatments of EWM; 2) Manual removal of EWM with hydraulic conveyor. 3) Annual pre/post treatment monitoring and analysis. 4) Hire an AIS Coordinator; 5) Mapping and control of purple loosestrife (PL); 6) Annual volunteer AIS training and monitoring; 7) Develop quarterly and final project reports.

Project deliverables include: 1) Chemical and manual control of AIS, including mapping; 2) Pre/post treatment survey data; 3) AIS Coordinator; 4) Final report summarizing AIS management and future AIS management suggestions and AIS monitoring.

Specific Conditions for this project: Quarterly reports and final report needs Dept review and approval.

WDNR Lakes Management Coordinator will be provided with an electronic (pdf or word) copy of final report and quarterly reports, survey data (includes: pre/post treatment and PL), and all maps and GIS from the project.

Objective:
Comments: Grantee is TOMAHAWK LAKE ASSOCIATION
Outcome:
Study Design:
QA Measures:

People

Name	Role	Status	Start Date	End Date	Organization	Comments
Tomahawk Lake Association,	GRANT_RECIP	ACTIVE	04/18/2016		Tomahawk Lake Association	

Project Statuses

Date	Reported By	Status	Comments
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Actions

Action	Detailed Description	Start	End Date	Status
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**Wisconsin Department of Natural Resources
SWIMS Project Summary**

Action	Detailed Description	Start	End Date	Status
APM Chemical Permit Request	Chemical Permit Details	03/28/2016	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		
	CO - # days	4		
	CO - 15 days	Y		
	CO - Date Sent	3/3/2016		
	CO-Date_Received	3/28/2016		
	CONTROL_INVASIVES	N		
	CONTROL_OTHER	N		
	Category 5 Certification Number	N/A		
	Chemical Permit ID	2496		
	Chemicals - Approved	Sculpin G gran. at rate of 4pp		
	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)	N		
	Entered in SharePoint	N		
	Estimated Acres	26		
	Eurasian water-milfoil (Myriophyllum spicatum)	Y		
	Expiration Date	10/1/2016		
	Fee	670		
	Field - 15 days	N		
	Field Issued By	Kevin_Gauthier		
	Filamentous Algae	N		
	Improvement - swimming	N		
	Lake Surface Area			
	Large Duckweed (Spirodela polyrhiza)	N		
	Large Scale Treatment Form	N		
	Large-leaf pondweed (Potamogeton amplifolius)	N		
	Maintain navigational channel	N		

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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	Sent to Kevin			
Payment Number	21987			
Permit County	Oneida			
Permit End Year	2016			
Permit Latitude	45.829230			
Permit Longitude	-89.651730			
Permit PLSS Section	31 39N07E			
Permit Start Year	2016			
Permit WBIC	152700			
Permit Year	2016			
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	Tomahawk Lake			
Treatment Date	N			
Treatment Date	N			
Treatment Record - Received	N			
Treatment Record - Scanned	N			
Waterbody Type	LAKE			
Grant Awarded	Grant ACEI18516 awarded	04/15/2016	12/31/2016	COMPLETE

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Action	Detailed Description	Start	End Date	Status
APM Chemical Treatment Record	Chemical treatment details	06/01/2016	06/01/2016	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	13.3		
	Air Temperature Units	C		
	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_TREATMENT_ID	5373		
	Captain XTR, # Acres	0		
	Captain XTR, # Gallons	0		
	Chemical Permit ID	2496		
	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	12.74		
	DMA 4 IVM Gallons	180		
	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	Oneida		
	Permit Year	2016		
	Person Completing Form	N/A		
	Phycomycin Acres	0		
	Phycomycin Pounds	0		
	Polaris Acres	0		
	Polaris Gallons	0		

Wisconsin Department of Natural Resources SWIMS Project Summary

Action	Detailed Description	Start	End Date	Status
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	12.74			
Sculpin G Pounds	1000			
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	6/1/2016			
Tribune Acres	0			
Tribune Gallons	0			
Vectobac Acres	0			
Vectobac Gallons	0			
Water Temperature	12.7			
Water Temperature Units	C			
Wind Direction	N/A			
Wind Speed	6-8			

Wisconsin Department of Natural Resources SWIMS Project Summary

Action	Detailed Description	Start	End Date	Status
APM Chemical Treatment Record	Chemical treatment details	06/02/2016	06/02/2016	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	10.5		
	Air Temperature Units	C		
	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_TREATMENT_ID	5374		
	Captain XTR, # Acres	0		
	Captain XTR, # Gallons	0		
	Chemical Permit ID	2496		
	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	0		
	DMA 4 IVM Gallons	0		
	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	Oneida		
	Permit Year	2016		
	Person Completing Form	N/A		
	Phycomycin Acres	0		
	Phycomycin Pounds	0		
	Polaris Acres	0		
	Polaris Gallons	0		

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Action	Detailed Description	Start	End Date	Status
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	8.56			
Sculpin G Pounds	3500			
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	6/2/2016			
Tribune Acres	0			
Tribune Gallons	0			
Vectobac Acres	0			
Vectobac Gallons	0			
Water Temperature	12.7			
Water Temperature Units	C			
Wind Direction	N/A			
Wind Speed	6-8			

Wisconsin Department of Natural Resources SWIMS Project Summary

Action	Detailed Description	Start	End Date	Status
APM Chemical Treatment Record	Chemical treatment details	06/03/2016	06/03/2016	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	10.5		
	Air Temperature Units	C		
	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_TREATMENT_ID	5375		
	Captain XTR, # Acres	0		
	Captain XTR, # Gallons	0		
	Chemical Permit ID	2496		
	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	0		
	DMA 4 IVM Gallons	0		
	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	Oneida		
	Permit Year	2016		
	Person Completing Form	N/A		
	Phycomycin Acres	0		
	Phycomycin Pounds	0		
	Polaris Acres	0		
	Polaris Gallons	0		

Wisconsin Department of Natural Resources SWIMS Project Summary

Action	Detailed Description	Start	End Date	Status
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	4.36			
Sculpin G Pounds	2000			
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	6/3/2016			
Tribune Acres	0			
Tribune Gallons	0			
Vectobac Acres	0			
Vectobac Gallons	0			
Water Temperature	13.3			
Water Temperature Units	C			
Wind Direction	N/A			
Wind Speed	2-3			

Monitoring Stations

Station ID	Name	Comments
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Assessment Units

WBIC	Segment	Local Name	Official Name
1542700	1	Tomahawk Lake	Tomahawk Lake
1543900	1	Little Tomahawk Lake	Little Tomahawk Lake
1544000	1	Mud Lake	Mud 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

Wisconsin Department of Natural Resources SWIMS Project Summary

Method Code	Description
Fieldwork Events	

Start Date	Status	Field ID	Station ID	Station Name
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Documents				
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Title	Description	Author	Published	Comments
The Tomahawk Lake Association, Inc 2016 Treatment Report	This report for the 2016 treatment year, addresses the tasks and activities undertaken in the application and monitoring of the chemical herbicide treatment regime addressed in the Tomahawk Lake AIS control grant of 2016 (ACEI ç 185-16).	Edward Greedy, The Tomahawk Lake Association, Inc.	01/01/2016	
Tomahawk Lake AIS Control Grant Report Quarter No. 3	The following quarterly report documents the major activities that were undertaken during the third quarter of the Tomahawk Lake AIS Control Grant for 2016. Subsequent quarterly reports will be forwarded as they are generated per the grant agreement.	Edward C. Greedy	12/31/2016	
Tomahawk Lake AIS Control Grant for 2016 Quarter No. 1 Report		Edawrd C. Greedy	06/01/2016	
Tomahawk Lake AIS Control Grant for 2016 Quarterly Report - Quarter No 2	The following quarterly report documents the approved grant activities that were undertaken during the second quarter of the Tomahawk Lake AIS Control Grant for 2016. Subsequent quarterly reports will be forwarded as they are generated per the grant agreement.	Edward Greedy, The Tomahawk Lake Association, Inc.	01/01/2016	
Tomahawk Lake AIS Final Report	Final report for the AIS grant received by the Tomahawk Lake Association.	Edward Greedy	08/28/2017	
Tomahawk Lake Treatment Maps		Edward C. Greedy	06/01/2016	

Budget

Combined Budgets:
Combined SLOH:
Combined Total:

Funding					
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Organization	Source	Type	Amount	Start Date	End Date
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