

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: ACEI19817
Name: TOMAHAWK LAKE ASSOCIATION: Tomahawk Lake 2017 AIS Monitoring, Mapping, Planning Project
Type: Aquatic Invasives Grant
Subtype: Aquatic Invasives Control
Status: COMPLETE
Start Date: 04/15/2017
End Date: 12/31/2017
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) Manual removal of EWM with hydraulic conveyor; 2) Mapping and control of purple loosestrife (PL); 3) Develop final project report.

Project deliverables include: 1) Manual control of AIS; 2) Final report summarizing AIS management and future AIS management suggestions and AIS monitoring.

Specific Conditions for this project: Final report needs Dept review and approval.

WDNR Lakes Management Coordinator will be provided with an electronic (pdf or word) copy of final report, survey data (includes 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
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Project Statuses

Date	Reported By	Status	Comments
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Actions

Action	Detailed Description	Start	End Date	Status
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Action	Detailed Description	Start	End Date	Status
APM Chemical Permit Request	Chemical Permit Details	04/13/2017	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	93-013996-011211		
	CO - # days	1		
	CO - 15 days	Y		
	CO - Date Sent	4/14/2017		
	CO-Date_Received	4/13/2017		
	CONTROL_INVASIVES	N		
	CONTROL_OTHER	N		
	Category 5 Certification Number	N/A		
	Chemical Permit ID	4393		
	Chemicals - Approved	Shredder Anime 4, DMA4		
	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	10		
	Eurasian water-milfoil (Myriophyllum spicatum)	Y		
	Expiration Date	10/1/2017		
	Fee	270		
	Field - 15 days	N		
	Field Issued By	N/A		
	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			
Payment Number	32920			
Permit County	Bayfield			
Permit End Year	2017			
Permit Latitude	46.365330			
Permit Longitude	-91.521760			
Permit PLSS Section	20 45N09W			
Permit Start Year	2017			
Permit WBIC	2501700			
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	Tomahawk Lake			
Treatment Date	N			
Treatment Date	N			
Treatment Record - Received	N			
Treatment Record - Scanned	N			
Waterbody Type	LAKE			
Grant Awarded	Grant ACEI19817 awarded	04/15/2017	12/31/2017	COMPLETE

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Action	Detailed Description	Start	End Date	Status
APM Chemical Treatment Record	Chemical treatment details	05/15/2017	05/15/2017	COMPLETE
Details:	Parameter	Value/Amount	Units	Comments
	Air Temperature	52		
	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		
	Captain XTR, # Acres	0		
	Captain XTR, # Gallons	0		
	Clearcast Acres	0		
	Clearcast Gallons	0		
	Clearigate Acres	0		
	Clearigate Gallons	0		
	Common waterweed (Elodea canadensis)	SP		
	Contains Herbicide totals	Y		
	Control Comments	Whole lake treatment = 0.35		
		pp		
	Coontail (Ceratophyllum demersum)	SP		
	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		
	Citrine Ultra Acres	0		
	Citrine Ultra Gallons	0		

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Action	Detailed Description	Start	End Date	Status
Details: Parameter	Value/Amount	Units	Comments	
	DMA 4 IVM Acres	0		
	DMA 4 IVM Gallons	0		
	Diquat Acres	0		
	Diquat Gallons	0		
	Diquat Liquid Acres	0		
	Diquat Pounds	0		
	Duration of Chemical Residualts	21 days		
	Endotholl Acres	0		
	Endotholl Liquid Acres	0		
	Endotholl Liquid Gallons	0		
	Endotholl Pounds	0		
	Eurasian water-milfoil (Myriophyllum spicatum)	TS		
	Fern or Robbins pondweed (Potamogeton robbinsii)	SP		
	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		
	Name_supervisor	Mark Sundeen		
	Nautique Acres	0		
	Nautique Gallons	0		
	Navigate Acres	0		
	Navigate, # Pounds	0		
	Onsite Supervision	Yes		
	Permit County	Bayfield		
	Permit Year	2017		
	Person Completing Form	Dale Dressel		
	Phycomycin Acres	0		
	Phycomycin Pounds	0		

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Details: Parameter	Value/Amount	Units	Comments	
	Polaris Acres	0		
	Polaris Gallons	0		
	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	5/15/2017		
	Treatment End Time	15:30		
	Treatment Start Time	10:00		
	Tribune Acres	0		
	Tribune Gallons	0		
	Vectobac Acres	0		
	Vectobac Gallons	0		
	Water Temperature	56		
	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	SW		
	Wind Speed	2-4		

Monitoring Stations

Station ID	Name	Comments
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Assessment Units

WBIC	Segment	Local Name	Official Name
1542500	1	Tomahawk River Thoroughfare	Tomahawk Thoroughfare
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

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
ACEI19817_Data [2017 HCS Harvesting Point Data]	2017 HCS harvesting point data table for Tomahawk and Little Tomahawk Lakes	Tomahawk Lake Association	01/01/2017	
ACEI19817_Data [Drained EWM Weight Deliveries Table]	2017 drained weight deliveries data table for Tomahawk Lake	Tomahawk Lake Association	01/01/2017	
ACEI19817_Final Report [Final Harvesting Report]	2017 hydraulic conveyor system final harvesting report for Tomahawk Lake	Tomahawk Lake Association	12/30/2017	
ACEI19817_Final Report [Table of Contents - Harvesting Report]	Table of contents for the hydraulic conveyor system harvesting report	Tomahawk Lake Association	01/01/2017	
ACEI19817_Map [HCS A1: North Bay]	Map of harvesting "high risk" areas in Area 1: North Bay of Tomahawk Lake	Tomahawk Lake Association	01/01/2017	
ACEI19817_Map [HCS A2: Western Basin]	Map of harvesting "high risk" areas in Area 2: Western Basin of Tomahawk Lake	Tomahawk Lake Association	01/01/2017	
ACEI19817_Map [HCS A3: Indian Shores]	Map of harvesting "high risk" areas in Area 3: Indian Shores of Tomahawk Lake	Tomahawk Lake Association	01/01/2017	
ACEI19817_Map [HCS A4: Eagle Bay]	Map of harvesting "high risk" areas in Area 4: Eagle Bay of Tomahawk Lake	Tomahawk Lake Association	01/01/2017	
ACEI19817_Map [HCS A5: Sunflower - Little Lake Torn]	Map of harvesting "high risk" areas in Area 5: Sunflower Bay of Tomahawk Lake and Little Lake Tomahawk	Tomahawk Lake Association	01/01/2017	
ACEI19817_Map [HCS A6: Lake Tomahawk Town Bay]	Map of harvesting "high risk" areas in Area 6: Lake Tomahawk Town Bay	Tomahawk Lake Association	01/01/2017	
ACEI19817_Map [HCS Combined Areas]	Map of harvesting "high risk" areas of Tomahawk and Little Tomahawk Lakes	Tomahawk Lake Association	01/01/2017	
ACEI19817_Progress Report [1st Quarterly Report]	Progress report for Tomahawk Lake from Apr-June 2017	Tomahawk Lake Association	01/01/2017	

Budget

Combined Budgets:

Combined SLOH:

Combined Total:

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Funding

Organization	Source	Type	Amount	Start Date	End Date
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