

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: AIRR20917

Name: TEAL, LOST LAND & GHOST LAKES IMPROVMT ASSOC: Hybrid Eurasian Water Milfoil Control

Type: Aquatic Invasives Grant

Subtype: Aquatic Invasives Early Detection and Response

Status: COMPLETE

Start Date: 2/1/2015

End Date: 12/31/2018

Purpose: The Teal, Lost Land & Ghost Lakes Improvement Association is sponsoring a two-year Response project to Hybrid Eurasian water milfoil in Lost Land Lake.

Project deliverables include monitoring data and reports, and an aquatic plant management plan that meets the requirements of NR 198.

Specific project activities include: 1) Pre-post treatment aquatic plant monitoring; 2) Whole lake plant survey; 3) Herbicide treatment; 4) Volunteer AIS monitoring; 5) Aquatic plant management plan development.

Special Conditions: 1) WDNR\2019s Aquatic Plant Management in Wisconsin guidance shall be followed for point-intercept survey monitoring and aquatic plant management plan development. The NOR Native Plant Protection Strategy shall be integrated into the APM plan; 2) Sponsor shall contact DNR immediately if a new AIS is found; 3) AIS monitoring volunteers shall be trained and follow Citizen Lake Monitoring Network protocols.

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 Lakes Biologist.

Objective:**Comments:** Grantee is TEAL, LOST LAND & GHOST LAKES IMPROVMT ASSOC**Outcome:****Study Design:****QA Measures:**

People

Name	Role	Status	Start Date	End Date	Organization	Comments
Bates, Jeremy M	TEAM_MEMBER	ACTIVE	8/16/2019		Wisconsin DNR	
DUFFY, CLAUDIA M	TEAM_MEMBER	COMPLETE	8/16/2019	8/29/2020	Wisconsin DNR	
Mosel, Kyle J	TEAM_MEMBER	INACTIVE	8/16/2019	2/23/2023	WISCONSIN DNR	
Teal/Lost Land/Ghost Lakes Imp	GRANT_RECIPIENT	ACTIVE	6/1/2016		Teal/Lost Land/Ghost Lakes Improvement Association	
Van Egeren, Scott J	LAKE_BIOLOGIST	ACTIVE	8/16/2019		Wisconsin DNR	

Project Statuses

Date	Reported By	Status	Comments
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Actions

Wisconsin Department of Natural Resources SWIMS Project Summary

Action	Detailed Description	Start Date	End Date	Status
Grant Awarded	Grant AIRR20917 awarded	2/1/2015	12/31/2016	COMPLETE
APM Chemical Permit Request	Chemical Permit Details	4/6/2017	10/1/2017	APPROVED

Details: Parameter	Value/Amount	Units	Comments
APM Plan	N		
APM Plan Agree	N		
Advance Notification	N		
Broad-leaved cattail (<i>Typha latifolia</i>)	N		
Business Location License	N/A		
CO - # days	3		
CO - 15 days	Y		
CO - Date Sent	4/11/2017		
CO-Date_Received	4/6/2017		
CONTROL_INVASIVES	N		
CONTROL_OTHER	N		
Category 5 Certification Number	N/A		
Chemical Permit ID	4322		
Chemicals - Approved	Aquathol K		
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	N		
Estimated Acres	29.5		
Eurasian water-milfoil (<i>Myriophyllum spicatum</i>)	N		
Expiration Date	10/1/2017		
Fee	770		
Field - 15 days	N		
Field Issued By	Kevin_Gauthier		

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Details: Parameter	Value/Amount	Units	Comments		
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				
Maintain private access - boating	N				
Maintain private access - fishing	N				
Muskgrasses (Chara)	N				
NUISANCE_CAUSED_OTHER	N				
Native Plants	N				
Next Steps	Kevin				
Payment Number	1029				
Permit County	Vilas				
Permit End Year	2017				
Permit Latitude	45.966690				
Permit Longitude	-89.482660				
Permit PLSS Section	09 40N08E				
Permit Start Year	2017				
Permit WBIC	1593400				
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	Lost Lake				
Treatment Date	N				
Treatment Date	N				
Treatment Record - Received	N				
Treatment Record - Scanned	N				
Waterbody Type	LAKE				
APM Chemical Treatment Record	Chemical treatment details	5/22/2017	5/22/2017	COMPLETE	

**Wisconsin Department of Natural Resources
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Details: Parameter	Value/Amount	Units	Comments
Air Temperature	12.2		
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	303		
Aquathol Super K, # Acres	0		
Aquathol Super K, # Pounds	0		
Aquathol, # Acres Gallons	29.5		
Aquathol, # Pounds	0		
Avast Acres	0		
Avast Gallons	0		
CURLY_LEAF_PONDWEED_ SITE	all		
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		
Curly-leaf pondweed (Potamogeton crispus)	TS		
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		

**Wisconsin Department of Natural Resources
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Details: Parameter	Value/Amount	Units	Comments
Citrine Pounds	0		
Citrine Ultra Acres	0		
Citrine Ultra Gallons	0		
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	<30 days		
Endotholl Acres	0		
Endotholl Liquid Acres	0		
Endotholl Liquid Gallons	0		
Endotholl 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 Y Use Restriction Signs Posted in Accordance with NR 107?			
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	No		
Permit County	Vilas		

**Wisconsin Department of Natural Resources
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Details: Parameter	Value/Amount	Units	Comments
Permit Year	2017		
Person Completing Form	Amy Kay Wensink		
Phycomycin Acres	0		
Phycomycin Pounds	0		
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		
Sonar AS Acres	0		
Touchdown Pro Acres	0		
Touchdown Pro Gallons	0		
Treatment Date	5/22/2017		
Treatment End Time	11:04		
Treatment Start Time	9:28		
Tribune Acres	0		
Tribune Gallons	0		
Vectobac Acres	0		
Vectobac Gallons	0		
Water Temperature	12.2		
Water Temperature Units	C		
Water Use Restriction - Animal Water	N		
Water Use Restriction - Crop Irrigation	N		
Water Use Restriction - Drinking Water	N		
Water Use Restriction - Fish Consumption	N		

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Details: Parameter	Value/Amount	Units	Comments		
Water Use Restriction - None	N				
Water Use Restriction - Other Irrigation	N				
Water Use Restriction - Swimming	N				
Wind Direction	West				
Wind Speed	3.5				
APM Chemical Permit Request	Chemical Permit Details		4/25/2018	4/26/2018	APPROVED

Details: Parameter	Value/Amount	Units	Comments		
Broad-leaved cattail (Typha latifolia)	N				
Business Location License	N/A				
CO - # days	1				
CO - 15 days	Y				
CO - Date Sent	4/26/2018				
CO-Date_Received	4/25/2018				
CONTROL_OTHER	N				
Category 5 Certification Number	N/A				
Chemical Permit ID	6087				
Chemicals - Approved	N/A				
Comments	N/A				
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	Y				
Estimated Acres	30				
Eurasian water-milfoil (Myriophyllum spicatum)	N				
Fee	770				
Field - # days	Y				

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Details: Parameter	Value/Amount	Units	Comments
Field Issued By	Mark_Sundeen		
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		
Maintain private access - boating	N		
Maintain private access - fishing	N		
Muskgrasses (Chara)	N		
NUISANCE_CAUSED_OTHER	N		
Native Plants	N		
Next Steps	Mark Sundeen		
Other Plants	Curly leaf pondweed		
PLSS_DIRECTION	E		
PLSS_RANGE	08		
PLSS_SECTION	09		
PLSS_TOWNSHIP	40		
Payment Number	1062		
Permit County	Vilas		
Permit End Year	2018		
Permit Latitude	45.96554060		
Permit Longitude	-89.48311580		
Permit PLSS Section	09 T40N R08E		
Permit Start Year	2018		
Permit WBIC	1593400		
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	Lost Lake		
Treatment Date	N		

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Details: Parameter	Value/Amount	Units	Comments
Treatment Date	N		
Treatment Record - Received	N		
Treatment Record - Scanned	N		
Waterbody Type	LAKE		
APM Chemical Treatment Record		6/28/2019	COMPLETE
Details: Parameter	Value/Amount	Units	Comments
Air Temperature	22.8		
Air Temperature Units	C		
CURLY_LEAF_PONDWEED_SITE	A-18		
Contains Herbicide totals	Y		
Curly-leaf pondweed (Potamogeton crispus)	TS		
Duration of Chemical Residualts	less than 30 days		
Herbicide Treatment and Water Use Restriction Signs Posted in Accordance with NR 107?	Y		
Onsite Supervision	No		
Permit County	Vilas		
Permit Year	2018		
Person Completing Form	Amy Kay Wensink		
Treatment Date	06/21/2018		
Treatment End Time	19:23		
Treatment Start Time	18:21		
Water Temperature	24.2		
Water Temperature Units	C		
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	E		
Wind Speed	4-6		

Monitoring Stations

8/28/2024

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Station ID	Name	Comments
10005623	Lost Land Lake	

Assessment Units

WBIC	Segment	Local Name	Official Name
2418600	1	Lost Land Lake	Lost Land Lake
2419900	1	Wilson Creek	Wilson Creek

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	Method Description
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Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
8/27/2014 10:00	COMPLETE		10005623	Lost Land Lake
9/25/2014	COMPLETE		10005623	Lost Land Lake

Documents

Title	Description	Author	Published	Comments
2016 Ghost Lake PI Survey Data	PI survey data for Ghost Lake.	Tiffiney Kleczewski	8/20/2016	
2016 Lost Land Lake PI Survey Data	PI survey data for Lost Land Lake.	Tiffiney Kleczewski	7/18/2016	
2016 Teal Lake PI Survey Data	PI survey data for Teal Lake.	Tiffiney Kleczewski	7/16/2016	

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Aquatic Plant Management Plan Update - Teal Lake, Lost Land Lake, and Ghost Lake	<p>With approval by the Board of Directors of the Teal, Lost Land and Ghost Lakes Improvement Association, Inc. (popularly referred to as the Quiet Lakes Association or QLA), the Aquatic Invasive Species (AIS) Committee has updated a Plan that was last revised in December, 2012. Despite several years of WDNR-funded boat-landing inspection, an invasive aquatic plant, Hybrid Eurasian Water Milfoil (HEWM), was discovered in Lost Land Lake during a 2013 survey by the Great Lakes Indian Fish and Wildlife Commission. This was a big concern, because HEWM can dominate and displace native plants, eventually leading to impairment of habitat for fish, wildlife, and associated recreational activities. Since then, HEWM has spread within Lost Land Lake despite an attempt at chemical control in 2015. Our main purpose in updating this plan is to document the expanding distribution of HEWM and outline options for minimizing its impact and preventing its spread to Teal Lake, the Teal River Flowage, Ghost Lake, and other waters.</p>	Teal, Lost Land and Ghost Lakes Improvement Association, Inc.	5/5/2017	
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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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