

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: AEPP-411-14

Name: CO/PA/PI VOLUNTARY LAKE ASSOCIATION: Connors Lake & Lake of the Pines AIS Prevention

Type: Aquatic Invasives Grant

Subtype: Aquatic Invasives Education

Status: COMPLETE

Start Date: 10/1/2013

End Date: 12/31/2022

Purpose: CO/PA/PI Voluntary Lake Association is sponsoring a 4-yr project to conduct AIS monitoring and update the APM plan for the three lakes.

Project deliverables include GIS data & maps of areas monitored, aquatic plant survey & bed mapping results, examples of AIS education & outreach, AIS monitoring & watercraft inspection data in SWIMS, and an updated APM plan.

Specific project activities include: 1) Pre-post treatment aquatic plant monitoring; 2) Point Intercept plant survey on Lake of the Pines & Papoose Lake; 3) Watercraft inspections, including Landing Blitz participation; 4) AIS education & monitoring; 5) Aquatic Plant Management Plan (APM) update.

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 and watercraft inspection personnel shall be trained and follow DNR approved protocols; 4) Education materials shall be consistent with the Department\2019s statewide education strategy for preventing and controlling AIS.

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 CO/PA/PI VOLUNTARY LAKE ASSOCIATION

Outcome:

Study Design:

QA Measures:

People

Name	Role	Status	Start Date	End Date	Organization	Comments
Connors Lake - Lake of the Pin	GRANT_RECIPIENT	ACTIVE	10/1/2013	12/31/2017	Connors Lake - Lake of the Pines Lake Association	
Schofield, Jim	COORDINATOR	ACTIVE	10/1/2013	12/31/2017	CoPaPi Vol. Lakes Association	
Smith, Alex R	COORDINATOR	COMPLETE	10/1/2013	12/31/2017	Wisconsin DNR	
Stram, Thomas	COORDINATOR	ACTIVE	10/1/2013	12/31/2017		

Project Statuses

Date	Reported By	Status	Comments
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Actions

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Action	Detailed Description	Start Date	End Date	Status
Aquatic Plant Monitoring or Survey		10/1/2013	12/31/2017	PROPOSED
Watercraft Inspections Clean Boats, Clean Waters		10/1/2013	12/31/2017	PROPOSED
Grant Awarded	Lake of the Pines	10/1/2013	12/31/2017	PROPOSED
Monitor Pre and Post Treatment		10/1/2013	12/31/2017	PROPOSED
Grant Awarded	Little Papoose Lake	10/1/2013	12/31/2017	PROPOSED
Grant Awarded	Connors Lake	10/1/2013	12/31/2017	COMPLETE
Monitor Invasive Species		10/1/2013	12/31/2017	PROPOSED
Aquatic Plant Management Plan		10/1/2013	12/31/2017	PROPOSED

Monitoring Stations

Station ID	Name	Comments
10005550	Connors Lake	
10005551	Lake Of The Pines	
10006404	Little Papoose Lake	

Assessment Units

WBIC	Segment	Local Name	Official Name
2275100	1	Connor Lake	Connors Lake
2275300	1	Lakes Of The Pines (Pickerel)	Lake of the Pines
2328200	1	Little Papoose Lake	Little Papoose 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	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
2014 EWM Survey/Treatment Analysis. Connors Lake [WBIC 2275100], Sawyer County, WI	EWM analysis	Ecological Integrity Servie, LLC	12/1/2014	

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<p>2015 EWM Survey/Treatment Analysis Connors Lake, Sawyer County, WI</p>	<p>In Sept, 2014 Eurasian water milfoil (EWM) was surveyed in Connors Lake. These EWM survey results were used to recommend treatment beds for 2015. These beds were evaluated and a discussion occurred to determine if all of Musky Bay should be treated. In the end, the Association determined that treating the smaller beds would be the best practice. On June 8, 2015 there were six EWM beds, totaling 3.46 acres treated with the herbicide 2,4-D (Navigate granular). The beds were delineated from the results of a survey conducted in fall, 2014. After treatment in June 2015, a survey was conducted to evaluate the treatment beds as well as survey for EWM throughout the entire lake. The herbicide treatment was determined to be successful. The pre-treatment frequency from 2014 showed a frequency of 100% within the treatment beds. After treatment that frequency was reduced to 9.1%. A chi-square analysis shows the frequency reduction was statistically significant. In September 2015, the EWM is limited in growth scattered throughout Musky Bay, which is where the EWM has most commonly been growing. The EWM is widely scattered within this bay with only five locations with EWM having a density of 2. No locations with a density of 3 were observed. It appears that this robust, native plant community may be keeping the EWM scattered and not reaching dense, monotypic growth. It is not recommended to treat small beds of EWM in this region in 2016 as the effectiveness will be reduced in small beds and the EWM growth is too limited to warrant such an application.</p>	<p>Ecological Integrity Service</p>	<p>1/15/2016</p>	
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2018 EWM Survey/Treatment Analysis Connors Lake, Sawyer County, WI	On August 14, 2017 the entire littoral zone of Connors Lake was surveyed for EWM. This report shows changes in EWM population as seen in the 2018 PI survey. This survey involved a meandering of all areas with plants and viewing with a surface viewing scope and verified with rake samples as needed. All locations with EWM were recorded with GPS and given a rake density rating. In addition, two areas designated as mid-tolerant EWM areas were surveyed using a pre-established sample point grid.	Ecological Integrity Service	8/1/2018	
Aquatic Invasive Species (AIS) Control Grant Application [EWM Management Connors]		Thomas Stram and Jim Schofield	7/29/2013	
Aquatic Plant Management Plan - Connors Lake, Lake of the Pines, and Papoose Lake	This Aquatic Plant Management Plan for Connors Lake, Lake of the Pines, and Papoose Lake in Sawyer County Wisconsin presents a strategy for managing aquatic plants by protecting native plant populations, controlling the growth of Eurasian water milfoil (EWM), and preventing establishment of additional invasive species. The plan includes data about the plant community, watershed, and water quality of the lakes. Based on this data and public input, goals and strategies for the management of aquatic plants in the lake are presented. This plan will guide the Co/Pa/Pi Voluntary Lake Association and the Wisconsin Department of Natural Resources in aquatic plant management for the lakes over the next five years (from 2017 through 2021).	Harmony Environmental Ecological Integrity Service	6/1/2017	

Budget

Combined Budgets:
Combined WSLH:
Combined Total: \$0.00

Funding

Organization	Source	Type	Amount	Start Date	End Date
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