

Wisconsin Department of Natural Resources
SWIMS Project Summary

General Project Information

Project ID: ACEI22419

Name: RED CEDAR LAKES ASSOCIATION: Red Cedar Lakes CLP Management and AIS Education

Type: Aquatic Invasives Grant

Subtype: Aquatic Invasives Control

Status: ACTIVE

Start Date: 4/15/2019

End Date: 12/31/2024

Purpose: The Red Cedar Lakes Association is sponsoring a project to control Curly leaf pondweed (CLP) in Balsam, Red Cedar, and Hemlock Lakes. They will also be conducting some aquatic plant and water chemistry monitoring at neighboring Bass Lake.

Project activities:
1)Curly-leaf pondweed (CLP) herbicide control, 2) Pre/Post treatment aquatic plant monitoring, 3) CLP bed mapping, 4) CLP turion Survey, 5) Herbicide concentration monitoring, 6) Purple Loosestrife monitoring, removal, and beetle rearing, 7) Annual AIS workshop, 8) Volunteer AIS monitoring, 9) Shoreland habitat assessment, 10) Bass Lake aquatic plant survey, 11) Wild rice bed mapping, 12) Bass lake water quality monitoring

Project deliverables include:
GIS data and maps of areas monitored and controlled
Aquatic plant and turion monitoring data and reports
Copies of educational materials developed
AIS monitoring data in SWIMS database
Water quality data in SWIMS database
Shoreland habitat assessment data and report
Management/treatment summary reports
Documentation of Dash activities and reporting of these activities

Specific project conditions:
WDNR\2019s Aquatic Plant Management in Wisconsin guidance shall be followed for aquatic plant monitoring.
Sponsor shall contact DNR immediately if a new AIS is found.
AIS monitoring and watercraft inspection personnel shall be trained and follow DNR approved protocols.
AIS monitoring data shall be entered in SWIMS
Education materials shall be consistent with the Department\2019s statewide education strategy for preventing and controlling AIS. The DNR logo should be used for promotion and publicity and DNR recognized as a funding source.

This scope summarizes the scope in the grant application and attachments and does not supersede those application tasks/deliverables

Objective:

Comments: Grantee is RED CEDAR LAKES ASSOCIATION

Outcome:

Study Design:

QA Measures:

People

Name	Role	Status	Start Date	End Date	Organization	Comments
Goodwin, Tom	TEAM_MEMBER	ACTIVE	7/9/2019		Red Cedar Lakes Association	
Red Cedar Lakes Association,	GRANT_RECIPIENT	ACTIVE	5/31/2019		Red Cedar Lakes Association	

Project Statuses

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Date	Reported By	Status	Comments
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Actions

Action	Detailed Description	Start Date	End Date	Status
Grant Awarded		4/15/2019	6/30/2022	COMPLETE

Monitoring Stations

Station ID	Name	Comments
10052471	Balsam Lake - CT-1	
10052472	Balsam Lake - CT-2	
10052475	Balsam Lake - CT-5	
10052476	Balsam Lake - CT-6	
10052440	Bass Lake - Deep Hole	
10052486	Hemlock Lake - CT-15	
10042483	Magee Cr at logging RD sec 17-20 line	
10052481	Red Cedar Lake - CT-10	
10052483	Red Cedar Lake - CT-12	
10052484	Red Cedar Lake - CT-13	
10052487	Red Cedar Lake - CT-16	
10052477	Red Cedar Lake - CT-7	
10052480	Red Cedar Lake - CT-9	

Assessment Units

WBIC	Segment	Local Name	Official Name
1833100	1	Bass Lake	Bass Lake
2063500	11	Red Cedar River	Red Cedar River
2109600	1	Red Cedar Lake	Red Cedar Lake
2109800	1	Hemlock Lake	Hemlock Lake
2111800	1	Pigeon Creek	Pigeon Creek
2112800	1	Balsam Lake	Balsam Lake
2408700	1	Magee Creek	Magee 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

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Method Code		Method Description		
Fieldwork Events				
Start Date	Status	Field ID	Station ID	Station Name
5/6/2019 8:10	COMPLETE	BASS LAKE	10052440	Bass Lake - Deep Hole
5/29/2019 10:25	COMPLETE	HAT 1 10052471	10052471	Balsam Lake - CT-1
5/29/2019 10:45	COMPLETE	HAT 1 10052472	10052472	Balsam Lake - CT-2
5/29/2019 10:55	COMPLETE	HAT 1 10052475	10052475	Balsam Lake - CT-5
5/29/2019 11:00	COMPLETE	HAT 1 10052476	10052476	Balsam Lake - CT-6
5/29/2019 11:25	COMPLETE	HAT 1 10052481	10052481	Red Cedar Lake - CT-10
5/29/2019 11:40	COMPLETE	HAT 1 10052484	10052484	Red Cedar Lake - CT-13
5/29/2019 14:00	COMPLETE	HAT 3 10052471	10052471	Balsam Lake - CT-1
5/29/2019 14:10	COMPLETE	HAT 3 10052472	10052472	Balsam Lake - CT-2
5/29/2019 14:20	COMPLETE	HAT 3 10052475	10052475	Balsam Lake - CT-5
5/29/2019 14:30	COMPLETE	HAT 3 10052477	10052477	Red Cedar Lake - CT-7
5/29/2019 15:00	COMPLETE	HAT 3 10052484	10052484	Red Cedar Lake - CT-13
5/29/2019 15:10	COMPLETE	HAT 3 10052483	10052483	Red Cedar Lake - CT-12
5/29/2019 15:30	COMPLETE	HAT 1 10052487	10052487	Red Cedar Lake - CT-16
5/29/2019 17:00	COMPLETE	HAT 6 10052471	10052471	Balsam Lake - CT-1
5/29/2019 17:10	COMPLETE	HAT 6 10052472	10052472	Balsam Lake - CT-2
5/29/2019 17:20	COMPLETE	HAT 6 10052475	10052475	Balsam Lake - CT-5
5/29/2019 17:20	COMPLETE	HAT 6 10052476	10052476	Balsam Lake - CT-6
5/29/2019 17:43	COMPLETE	HAT 6 10052480	10052480	Red Cedar Lake - CT-9
5/29/2019 17:52	COMPLETE	HAT 6 10052481	10052481	Red Cedar Lake - CT-10
5/29/2019 18:05	COMPLETE	HAT 6 10052484	10052484	Red Cedar Lake - CT-13
5/29/2019 18:20	COMPLETE	HAT 6 10052483	10052483	Red Cedar Lake - CT-12
5/29/2019 18:43	COMPLETE	HAT 3 10052487	10052487	Red Cedar Lake - CT-16
5/29/2019 18:50	COMPLETE	HAT 1 10052486	10052486	Hemlock Lake - CT-15
5/29/2019 19:45	COMPLETE	HAT 9 10052471	10052471	Balsam Lake - CT-1
5/29/2019 19:52	COMPLETE	HAT 9 10052472	10052472	Balsam Lake - CT-2
5/29/2019 20:05	COMPLETE	HAT 9 10052476	10052476	Balsam Lake - CT-6
5/29/2019 20:10	COMPLETE	HAT 9 10052475	10052475	Balsam Lake - CT-5
5/29/2019 20:18	COMPLETE	HAT 9 10052477	10052477	Red Cedar Lake - CT-7
5/29/2019 20:25	COMPLETE	HAT 9 10052480	10052480	Red Cedar Lake - CT-9
5/29/2019 20:33	COMPLETE	HAT 9 10052481	10052481	Red Cedar Lake - CT-10
5/29/2019 20:40	COMPLETE	HAT 9 10052483	10052483	Red Cedar Lake - CT-12

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5/29/2019 20:50	COMPLETE	HAT 9 10052484	10052484	Red Cedar Lake - CT-13
5/29/2019 21:05	COMPLETE	HAT 6 10052487	10052487	Red Cedar Lake - CT-16
5/29/2019 21:13	COMPLETE	HAT 3 10052486	10052486	Hemlock Lake - CT-15
5/30/2019 9:40	COMPLETE	HAT 18 10052486	10052486	Hemlock Lake - CT-15
5/30/2019 10:35	COMPLETE	HAT 24 10052471	10052471	Balsam Lake - CT-1
5/30/2019 10:47	COMPLETE	HAT 24 10052472	10052472	Balsam Lake - CT-2
5/30/2019 11:00	COMPLETE	HAT 24 10052476	10052476	Balsam Lake - CT-6
5/30/2019 11:05	COMPLETE	HAT 24 10052475	10052475	Balsam Lake - CT-5
5/30/2019 11:12	COMPLETE	HAT 24 10052477	10052477	Red Cedar Lake - CT-7
5/30/2019 11:20	COMPLETE	HAT 24 10052480	10052480	Red Cedar Lake - CT-9
5/30/2019 11:57	COMPLETE	HAT 24 10052483	10052483	Red Cedar Lake - CT-12
5/30/2019 16:15	COMPLETE	HAT 24 10052487	10052487	Red Cedar Lake - CT-16
5/30/2019 16:25	COMPLETE	HAT 24 10052486	10052486	Hemlock Lake - CT-15
5/30/2019 17:00	COMPLETE	HAT 36 10052472	10052472	Balsam Lake - CT-2
5/31/2019 8:15	COMPLETE	HAT 48 10052472	10052472	Balsam Lake - CT-2
5/31/2019 8:30	COMPLETE	HAT 48 10052477	10052477	Red Cedar Lake - CT-7
5/31/2019 8:45	COMPLETE	HAT 48 10052483	10052483	Red Cedar Lake - CT-12
6/1/2019 13:40	COMPLETE	HAT 72 10052472	10052472	Balsam Lake - CT-2
6/1/2019 13:55	COMPLETE	HAT 72 10052477	10052477	Red Cedar Lake - CT-7
6/1/2019 14:10	COMPLETE	HAT 72 10052483	10052483	Red Cedar Lake - CT-12
6/3/2019 10:20	COMPLETE	HAT 120 10052472	10052472	Balsam Lake - CT-2

Documents

Title	Description	Author	Published	Comments
ACEI 224 19_Photo_Loch Lomond Beach Club Decontamination			5/28/2021	Entered date of photo file.
Balsam & Mud Lakes Shoreland Condition Assessment Data		Dave Blumer, LEAPS LLC	8/18/2020	
Balsam & Mud Lakes Shoreland Condition Assessment Photo Key		Dave Blumer, LEAPS, LLC	8/18/2020	
Balsam & Mud Lakes Shoreline Condition Assessment Report		Savannah Yunkers, LEAPS, LLC	5/28/2021	

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Bass Lake Aquatic Plant PI Survey Report [Summer 2020]		Dave Blumer, Megan Mader, Savannah Yunkers [LEAPS, LLC], Tom Goodwin [RCLA], Matthew Berg [ERS, LLC]	8/25/2020	
Bass Lake Aquatic Plant Survey Data Workbook [25 Aug 2020]		Dave Blumer, Savannah Yunkers [LEAPS, LLC], Tom Goodwin [RCLA]	8/25/2020	
Bass Lake PI Survey Tables & Stats [25 Aug 2020]		Dave Blumer, LEAPS, LLC	5/28/2021	
Curlyleaf Pondweed Management in the Red Cedar Chain 2019 Pre/Post Data Report and Analysis	The Red Cedar Lake Association identified 21 plots with curlyleaf pondweed (CLP) spread across the three main lakes in the chain (Hemlock, Red Cedar, and Balsam; see map on page 2). To assess the response of CLP and native plants in herbicide-treated plots, we conducted pretreatment (May 23) and posttreatment (Jun 18) point-intercept plant surveys in each of the potential management plots.	Freshwater Scientific Services, LLC	1/1/2019	
Red Cedar Lake FINAL CLP Treatment Map [6-3-2020]		Dave Blumer, LEAPS, LLC	6/3/2020	
Red Cedar Lakes 2020 Aquatic Invasive Species Control: Project Implementation Summary Report		Dave Blumer, LEAPS, LLC	3/9/2021	
Waldo Carlson Decontamination Station Photo			5/27/2021	

Budget

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

Funding

Organization	Source	Type	Amount	Start Date	End Date
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