

## 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:** 04/15/2019  
**End Date:** 06/30/2022  
**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

**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	07/09/2019		Red Cedar Lakes Association	
Red Cedar Lakes Associator	GRANT_RECIPII	ACTIVE	05/31/2019		Red Cedar Lakes Association	

### Project Statuses

Date	Reported By	Status	Comments
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### Actions

Action	Detailed Description	Start	End Date	Status
Grant Awarded	Grant ACEI22419 awarded	04/15/2019	06/30/2022	COMPLETE

## Wisconsin Department of Natural Resources SWIMS Project Summary

### 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

Method Code	Description
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### Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
05/06/2019 08:10	COMPLETE	BASS LAKE	10052440	Bass Lake - Deep Hole
05/29/2019 10:25	COMPLETE	HAT 1 10052471	10052471	Balsam Lake - CT-1
05/29/2019 10:45	COMPLETE	HAT 1 10052472	10052472	Balsam Lake - CT-2
05/29/2019 10:55	COMPLETE	HAT 1 10052475	10052475	Balsam Lake - CT-5
05/29/2019 11:00	COMPLETE	HAT 1 10052476	10052476	Balsam Lake - CT-6
05/29/2019 11:25	COMPLETE	HAT 1 10052481	10052481	Red Cedar Lake - CT-10
05/29/2019 11:40	COMPLETE	HAT 1 10052484	10052484	Red Cedar Lake - CT-13
05/29/2019 14:00	COMPLETE	HAT 3 10052471	10052471	Balsam Lake - CT-1
05/29/2019 14:10	COMPLETE	HAT 3 10052472	10052472	Balsam Lake - CT-2
05/29/2019 14:20	COMPLETE	HAT 3 10052475	10052475	Balsam Lake - CT-5
05/29/2019 14:30	COMPLETE	HAT 3 10052477	10052477	Red Cedar Lake - CT-7
05/29/2019 15:00	COMPLETE	HAT 3 10052484	10052484	Red Cedar Lake - CT-13

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Start Date	Status	Field ID	Station ID	Station Name
05/29/2019 15:10	COMPLETE	HAT 3 10052483	10052483	Red Cedar Lake - CT-12
05/29/2019 15:30	COMPLETE	HAT 1 10052487	10052487	Red Cedar Lake - CT-16
05/29/2019 17:00	COMPLETE	HAT 6 10052471	10052471	Balsam Lake - CT-1
05/29/2019 17:10	COMPLETE	HAT 6 10052472	10052472	Balsam Lake - CT-2
05/29/2019 17:20	COMPLETE	HAT 6 10052475	10052475	Balsam Lake - CT-5
05/29/2019 17:20	COMPLETE	HAT 6 10052476	10052476	Balsam Lake - CT-6
05/29/2019 17:43	COMPLETE	HAT 6 10052480	10052480	Red Cedar Lake - CT-9
05/29/2019 17:52	COMPLETE	HAT 6 10052481	10052481	Red Cedar Lake - CT-10
05/29/2019 18:05	COMPLETE	HAT 6 10052484	10052484	Red Cedar Lake - CT-13
05/29/2019 18:20	COMPLETE	HAT 6 10052483	10052483	Red Cedar Lake - CT-12
05/29/2019 18:43	COMPLETE	HAT 3 10052487	10052487	Red Cedar Lake - CT-16
05/29/2019 18:50	COMPLETE	HAT 1 10052486	10052486	Hemlock Lake - CT-15
05/29/2019 19:45	COMPLETE	HAT 9 10052471	10052471	Balsam Lake - CT-1
05/29/2019 19:52	COMPLETE	HAT 9 10052472	10052472	Balsam Lake - CT-2
05/29/2019 20:05	COMPLETE	HAT 9 10052476	10052476	Balsam Lake - CT-6
05/29/2019 20:10	COMPLETE	HAT 9 10052475	10052475	Balsam Lake - CT-5
05/29/2019 20:18	COMPLETE	HAT 9 10052477	10052477	Red Cedar Lake - CT-7
05/29/2019 20:25	COMPLETE	HAT 9 10052480	10052480	Red Cedar Lake - CT-9
05/29/2019 20:33	COMPLETE	HAT 9 10052481	10052481	Red Cedar Lake - CT-10
05/29/2019 20:40	COMPLETE	HAT 9 10052483	10052483	Red Cedar Lake - CT-12
05/29/2019 20:50	COMPLETE	HAT 9 10052484	10052484	Red Cedar Lake - CT-13
05/29/2019 21:05	COMPLETE	HAT 6 10052487	10052487	Red Cedar Lake - CT-16
05/29/2019 21:13	COMPLETE	HAT 3 10052486	10052486	Hemlock Lake - CT-15
05/30/2019 09:40	COMPLETE	HAT 18 10052486	10052486	Hemlock Lake - CT-15
05/30/2019 10:35	COMPLETE	HAT 24 10052471	10052471	Balsam Lake - CT-1
05/30/2019 10:47	COMPLETE	HAT 24 10052472	10052472	Balsam Lake - CT-2
05/30/2019 11:00	COMPLETE	HAT 24 10052476	10052476	Balsam Lake - CT-6
05/30/2019 11:05	COMPLETE	HAT 24 10052475	10052475	Balsam Lake - CT-5
05/30/2019 11:12	COMPLETE	HAT 24 10052477	10052477	Red Cedar Lake - CT-7
05/30/2019 11:20	COMPLETE	HAT 24 10052480	10052480	Red Cedar Lake - CT-9
05/30/2019 11:57	COMPLETE	HAT 24 10052483	10052483	Red Cedar Lake - CT-12
05/30/2019 16:15	COMPLETE	HAT 24 10052487	10052487	Red Cedar Lake - CT-16
05/30/2019 16:25	COMPLETE	HAT 24 10052486	10052486	Hemlock Lake - CT-15
05/30/2019 17:00	COMPLETE	HAT 36 10052472	10052472	Balsam Lake - CT-2
05/31/2019 08:15	COMPLETE	HAT 48 10052472	10052472	Balsam Lake - CT-2
05/31/2019 08:30	COMPLETE	HAT 48 10052477	10052477	Red Cedar Lake - CT-7
05/31/2019 08:45	COMPLETE	HAT 48 10052483	10052483	Red Cedar Lake - CT-12
06/01/2019 13:40	COMPLETE	HAT 72 10052472	10052472	Balsam Lake - CT-2
06/01/2019 13:55	COMPLETE	HAT 72 10052477	10052477	Red Cedar Lake - CT-7
06/01/2019 14:10	COMPLETE	HAT 72 10052483	10052483	Red Cedar Lake - CT-12
06/03/2019 10:20	COMPLETE	HAT 120 10052472	10052472	Balsam Lake - CT-2

### Documents

Title	Description	Author	Published	Comments
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;	Freshwater Scientific Services, LLC	01/01/2019	

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Title	Description	Author	Published	Comments
	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.			

### Budget

Combined Budgets:

Combined SLOH:

Combined Total:

### Funding

Organization	Source	Type	Amount	Start Date	End Date
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