

## Wisconsin Department of Natural Resources SWIMS Project Summary

### General Project Information

**Project ID:** ACEI-145-14  
**Name:** CHURCH PINE ROUND & BIG LAKE P & R DISTRICT: APM Plan Implementation  
**Type:** Aquatic Invasives Grant  
**Subtype:** Aquatic Invasives Control  
**Status:** COMPLETE  
**Start Date:** 10/01/2013  
**End Date:** 12/31/2017  
**Purpose:** Church Pine, Round & Big Lakes P&R District is sponsoring a 3-yr project to implement approved activities from the Church Pine, Round and Big Lakes Aquatic Plant Management Plan.

Project deliverables include GIS data & maps of areas monitored, aquatic plant & turion monitoring results, examples of AIS education & outreach, AIS monitoring data in SWIMS, management/treatment summaries, and an updated APM plan.

Specific project activities include: 1) Curly-leaf pondweed chemical control; 2) Pre-post treatment aquatic plant monitoring; 3) CLP bed mapping; 4) Herbicide concentration monitoring; 5) Turion monitoring; 6) Purple Loosestrife & Knotweed control; 7) Point intercept aquatic plant survey; 8) APM plan update; 9) AIS education & monitoring.

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 personnel shall be trained and follow DNR approved protocols. Data shall be entered in SWIMS database; 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 CHURCH PINE ROUND & BIG LAKE P & R DISTRICT  
**Outcome:**  
**Study Design:**  
**QA Measures:**

### People

Name	Role	Status	Start Date	End Date	Organization	Comments
Church Pine/Round/Big Lake	GRANT_RECIPII	ACTIVE	10/01/2013	12/31/2016	Church Pine/Round/Big Lake P & R District	
Oswald, Scott	COORDINATOR	ACTIVE	10/01/2013	12/31/2016		
Smith, Alex R	COORDINATOR	ACTIVE	10/01/2013	12/31/2016	Wisconsin DNR	
Tack, Jerry	COORDINATOR	ACTIVE	10/01/2013	12/31/2016	Big, Round, and Church Pine Lakes P&R District	

### Project Statuses

Date	Reported By	Status	Comments
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### Actions

Action	Detailed Description	Start	End Date	Status
Aquatic Plant Monitoring or Survey		10/01/2013	12/31/2016	PROPOSED
Monitor Invasive Species		10/01/2013	12/31/2016	PROPOSED
Control Invasive Species		10/01/2013	12/31/2016	PROPOSED
Grant Awarded		10/01/2013	12/31/2013	COMPLETE
Monitor Pre and Post Treatment		10/01/2013	12/31/2016	PROPOSED

## Wisconsin Department of Natural Resources SWIMS Project Summary

### Monitoring Stations

Station ID	Name	Comments
10004774	Big Lake	
10004978	Church Pine Lake	
10004977	Wind (Round) Lake	

### Assessment Units

WBIC	Segment	Local Name	Official Name
2615900	1	Big Lake	Big Lake
2616000	1	Wind Lake (Round)	Wind Lake
2616100	1	Church Pine Lake (Pine)	Church Pine 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
ACEI 145-14_PI Survey [2014 Analysis]	Point intercept survey for Big, Church Pine, and Round Lakes in Polk Co. from 2014	Unknown	01/01/2014	
ACEI 145-14_PI Survey [Big Lake PI Survey Data]	PI Survey data for Big Lake, Polk Co. from 2014	Unknown	01/01/2014	
ACEI 145-14_PI Survey [Church Pine PI Survey 2014]	Data from a 2014 point intercept survey on Church Pine Lake, Polk Co.	Unknown	01/01/2014	
ACEI 145-14_PI Survey [Round Lake PI Survey 2014]	PI survey w/ species seen data from 2014 for Round Lake, Polk Co.	Unknown	07/01/2014	
Aquatic Invasive Species (AIS) Control Grant Application [APM Plan Implementation]		Steve Oswald and Jerry Tack	07/29/2013	
Church Pine, Round and Big Lakes Protection and Rehabilitation District Final Report 2017	The final report for the AIS control grant received by the Church Pine, Round and Big Lakes Protection and Rehabilitation District.	Board of Commissioners	12/31/2017	
Draft: Big Lake, Polk County (WBIC 2615900), Dipotassium Salt of Endothall Herbicide Concentration Monitoring Summary, 2014	Herbicide monitoring summary 2014	John Skogerboe	02/09/2015	
Draft: Big Lake, Polk County (WBIC 2615900), Endothall Concentration Monitoring Summary, 2013	Herbicide monitoring summary 2013	John Skogerboe	10/11/2013	
Herbicide Treatment	On April 22, 2016 13.75 acres of	Ecological Integrity	01/01/2016	

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Title	Description	Author	Published	Comments
Analysis for Potamogeton crispus (CLP)	<p>Potamogeton crispus-curly leaf pondweed (CLP) were treated with the herbicide endothall at a target concentration of 1.5-2.5 ppm. The water temperature at the time of treatment was between 50 and 60 degrees F. A pretreatment survey was conducted on April 18 and a post treatment survey was conducted on June 6, 2015. A chi-square analysis was used to determine the significance of any reductions in frequency of occurrence. The frequency of occurrence from the pretreatment to the post treatment survey showed a statistically significant reduction (from 56.25% to 3.1%). A comparison of the post treatment survey of 2015 and the post treatment survey of 2016 showed a slight decrease from 4.8% to 3.1% which was not significant. Comparing the pretreatment survey of 2015 to the pretreatment survey of 2016 showed a statistically significant (chi-square) decrease from 79.8% in 2015 to 56.25% in 2016. A chi-square analysis revealed no statistically significant reduction in any native plant species. A turion analysis was conducted in October 2016 and resulted in a decrease in all beds combined compared to the 2015 density.</p>	Service, LLC		
Herbicide Treatment Analysis for Potamogeton crispus (CLP) Big Lake, Polk County 2016		Ecological Integrity Service, LLC	04/01/2016	
Herbicide Treatment Analysis for Potamogeton crispus (CLP). Big Lake [WBIC 2615900] Polk County, WI. June 2014.	CLP treatment analysis 2014	Ecological Integrity Servie, LLC	06/01/2014	

**Budget**

**Combined Budgets:**  
**Combined SLOH:**  
**Combined Total:**

**Funding**

Organization	Source	Type	Amount	Start Date	End Date
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