

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: ACEI21118

Name: CHURCH PINE ROUND & BIG LAKE P & R DISTRICT: Church Pine, Round and Big CLP, PL, and Knotweed Control

Type: Aquatic Invasives Grant

Subtype: Aquatic Invasives Control

Status: COMPLETE

Start Date: 4/15/2018

End Date: 12/31/2022

Purpose: The Church Pine, Round, and Big Lake P&R District is sponsoring a 3-yr project to implement approved activities from the Church Pine, Round, and Big Lake 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.

Specific project activities include: 1) Curly-leaf pondweed herbicide control; 2) Purple loosestrife and Japanese knotweed control; 3) Pre-post treatment aquatic plant monitoring; 4) CLP bed mapping; 5) Turion monitoring; 6) AIS monitoring & education.

Special Conditions: 1) WDNR\2019s Aquatic Plant Management in Wisconsin guidance shall be followed for aquatic plant monitoring; 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) AIS monitoring data shall be entered in SWIMS; 5) 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 P &	GRANT_RECIPIENT	ACTIVE	4/15/2018	12/31/2020	Church Pine/Round/Big Lake P & R District	

Project Statuses

Date	Reported By	Status	Comments
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Actions

Action	Detailed Description	Start Date	End Date	Status
Grant Awarded	Grant ACEI21118 awarded	4/15/2018	12/31/2020	COMPLETE
APM Chemical Permit Request	Chemical permit details	2/21/2019	2/21/2019	APPROVED

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Details: Parameter	Value/Amount	Units	Comments
APM Plan	Y		
Alternative - Drawdown	N		
Alternative - Dredging	N		
Alternative - Manual Removal	N		
Alternative - Mechanical Harvesting	N		
Alternative - Nutrient Controls	N		
Alternative - Sediment Screens	N		
Alternative - Why Not Drawdown	Not feasible		
Alternative - Why Not Dredging	Not feasible		
Alternative - Why Not Manual	Too large an area		
Alternative - Why Not Mechanical	Would take multiple cuttings and be too expensive		
Alternative - Why Not Nutrient Control	Not site and plant specific		
Alternative - Why Not Sediment Screens	Too large an area		
Broad-leaved cattail (<i>Typha latifolia</i>)	N		
Business Location License	N/A		
CO - # days	1		
CO - Date Sent	02/21/2019		
CONTROL_INVASIVES	Y		
CONTROL_OTHER	N		
Category 5 Certification Number	61742		
Chemical Permit ID	0		
Chemicals - Approved	Aquathol K		
Chemicals Permitted Previous Year	All		
Comments	MISSING - Large- Scale Treatment Worksheet, Form 3200-004A - Completed 2015-good for 5 years		
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 - Submerged water plants	Y		

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Details: Parameter	Value/Amount	Units	Comments
Coontail (Ceratophyllum demersum)	N		
Curly-leaf pondweed (Potamogeton crispus)	Y		
Estimated Acres	13		
Eurasian water-milfoil (Myriophyllum spicatum)	N		
Fee	345		
Field - # days	16		
Field - Date Issued	03/15/2019		
Field - Date Received	02/21/2019		
Field Issued By	Mark_Sundeen		
Filamentous Algae	N		
Improvement - swimming	N		
Lake Surface Area	259		
Large Duckweed (Spirodela polyrhiza)	N		
Large-leaf pondweed (Potamogeton amplifolius)	N		
Maintain navigational channel	N		
Maintain private access - boating	N		
Maintain private access - fishing	N		
Method of Application	Subsurface injection using weighted metered drop lines from a gps guided boat		
More than 1 Property Owner	Y		
Muskgrasses (Chara)	N		
NUISANCE_CAUSED_OTHER	N		
Native Plants	N		
Overflow Controlled	N		
PLSS_DIRECTION	W		
PLSS_RANGE	18		
PLSS_SECTION	00		
PLSS_TOWNSHIP	32		
Payment Number	4265		
Permit County	Polk		
Permit End Year	2019		
Permit Latitude	45.2922660		
Permit Longitude	-92.5387540		
Permit PLSS Section	32N R18W		
Permit Start Year	2019		
Permit WBIC	2615900		
Pithophora	N		

8/28/2024

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Details: Parameter	Value/Amount	Units	Comments
Planktonic Algae	N		
Private Pond	N		
Purple loosestrife (Lythrum salicaria)	N		
Sensitive Area	Y		
SharePoint_Number	AP-IP-NO-2019-49-2034		
Softstem bulrush (Schoenoplectus tabernaemontani)	N		
Sogo pondweed (Stuckenia pectinata)	N		
Surface Water Discharge	Y		
TREATMENT_AREA	Big Lake		
Treatment Area Greater Than 5%	Y		
WPDES Coverage	N		
Waterbody Type	Lake		
Waterbody have Public Access	Y		
Wind Direction	61742		

Monitoring Stations

Station ID	Name	Comments
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Assessment Units

WBIC	Segment	Local Name	Official Name
2615500	1	Forest Creek	Forest Creek
2615900	1	Big Lake	Big Lake
2616000	1	Wind Lake (Round)	Wind Lake
3000162	1	Creek 36-14	Unnamed

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

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Title	Description	Author	Published	Comments
ACEI 211 18_APM Big Round Churchpine Lake_Jun2021	Aquatic Plant Management Plan for Church Pine, Round and Big Lakes		6/1/2021	
ACEI 211 18_Correspondence_Approval Letter_09012021	Approval letter	Alex Smith	9/1/2021	
Analysis of Herbicide Treatment- Potamogeton crispus –curly leaf pondweed(CLP) [2019]	On May 2, 2019 8.4 acres of 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 47 degrees F. A pretreatment survey was conducted on May 1 and a post treatment survey was conducted on June 11, 2019.	Ecological Integrity Service, LLC	1/1/2019	
Herbicide Treatment Analysis for Potamogeton crispus (CLP) - Big Lake, Polk County Wisconsin [2018]	On May 24, 2018 11.81 acres of 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 59 degrees F. A pretreatment survey was conducted on May 8 and a post treatment survey was conducted on June 4, 2018. 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 43.4% to 0%). A comparison of the post treatment survey of 2017 and the post treatment survey of 2018 showed a decrease from 1.2% to 0% which was not significant. Comparing the pretreatment survey of 2017 to the pretreatment survey of 2018 an increase occurred from 61.6% to 43.4%, which was statistically significant. A chi-square analysis revealed a statistically significant reduction in one native plant species. A turion analysis resulted in a mean turion density increase from 2017 to 2018. The mean turion density increased from 7.5 turions/m ² to 10.3 turions/m ² .	Ecological Integrity Service, LLC	1/1/2018	

Budget

8/28/2024

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Combined Budgets:

Combined WSLH:

Combined Total: \$0.00

Funding					
Organization	Source	Type	Amount	Start Date	End Date