

Wisconsin Department of Natural Resources

SWIMS Project Summary

General Project Information

Project ID: LPL173720

Name: CHURCH PINE ROUND & BIG LAKE P & R DISTRICT: Big, Round and Church Pine PI Survey and APM Plan Update

Type: Lakes Grant

Subtype: Large Scale Lake Planning

Status: COMPLETE

Start Date: 2/15/2020

End Date: 12/31/2021

Purpose: Church Pine, Round and Big Lake P&R District is sponsoring a project to collect in-lake and tributary data, develop a phosphorus budget using Bathtub to estimate internal and external sources of phosphorus to Big Lake, and update the Lake Management Plan

Project deliverables include: water quality and flow data entered in SWIMS; Bathtub and nutrient budget report; updated lake management plan according to NR 191 and NR 198

Specific project conditions: CLMN efforts should not be duplicated, and these data shall be included in the trends analysis and final reporting; All data shall be entered into the SWIMS database; 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 plan.

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 Lake Biologist.

If consultant is to provide final report, it is recommended that Grantee provide DNR Lake Coordinator with a draft for comment on report adequacy prior to making final payment to the consultant. DNR to receive both paper and electronic .pdf copies of the final report along with, or prior to submission of grantee's final payment request.

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
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Project Statuses

Date	Reported By	Status	Comments
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Actions

Action	Detailed Description	Start Date	End Date	Status
Grant Awarded	Grant LPL173720 awarded	2/15/2020	12/31/2021	COMPLETE

Monitoring Stations

Station ID	Name	Comments
493107	Big Lake - Deep Hole	

Wisconsin Department of Natural Resources
SWIMS Project Summary

10039623	Forest Creek at Big Lake Outlet	
10039622	North Creek - S of Big Lake Drive	

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
2616100	1	Church Pine Lake (Pine)	Church Pine 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
6/9/2020 9:00	COMPLETE	BLDH-3M-JN	493107	Big Lake - Deep Hole
6/9/2020 9:00	COMPLETE	BLDH-4M-JN	493107	Big Lake - Deep Hole
6/9/2020 9:00	COMPLETE	BLDH-5M-JN	493107	Big Lake - Deep Hole
6/9/2020 9:00	COMPLETE	BLDH-6M-JN	493107	Big Lake - Deep Hole
6/9/2020 9:00	COMPLETE	BLDH-7M-JN	493107	Big Lake - Deep Hole
6/9/2020 9:00	COMPLETE	BLDH-INT-JN	493107	Big Lake - Deep Hole
6/9/2020 11:00	COMPLETE	BL-IN-JN	10039622	North Creek - S of Big Lake Drive
6/9/2020 11:00	COMPLETE	BL-OUT-JN	10039623	Forest Creek at Big Lake Outlet
7/6/2020 8:30	COMPLETE	BLDH-INLET-JY	10039622	North Creek - S of Big Lake Drive
7/6/2020 9:00	COMPLETE	BLDH-3M-JY	493107	Big Lake - Deep Hole
7/6/2020 9:00	COMPLETE	BLDH-4M-JY	493107	Big Lake - Deep Hole
7/6/2020 9:00	COMPLETE	BLDH-5M-JY	493107	Big Lake - Deep Hole
7/6/2020 9:00	COMPLETE	BLDH-6M-JY	493107	Big Lake - Deep Hole
7/6/2020 9:00	COMPLETE	BLDH-7M-JY	493107	Big Lake - Deep Hole
7/6/2020 9:00	COMPLETE	BLDH-INT-JY	493107	Big Lake - Deep Hole
7/13/2020 9:00	COMPLETE	BL-INLET-JY-SRP	10039622	North Creek - S of Big Lake Drive
7/13/2020 9:00	COMPLETE	BLDH-INT-JY-SRP	493107	Big Lake - Deep Hole

7/25/2024

Wisconsin Department of Natural Resources SWIMS Project Summary

7/13/2020 9:30	COMPLETE	BLDH-4M-JY-SRP	493107	Big Lake - Deep Hole
7/13/2020 9:30	COMPLETE	BLDH-5M-JY-SRP	493107	Big Lake - Deep Hole
7/13/2020 9:30	COMPLETE	BLDH-6M-JY-SRP	493107	Big Lake - Deep Hole
7/13/2020 9:30	COMPLETE	BLDH-7M-JY-SRP	493107	Big Lake - Deep Hole
7/13/2020 9:40	COMPLETE	BLDH-3M-JY-SRP	493107	Big Lake - Deep Hole
8/11/2020 9:00	COMPLETE	BLDH-3M-AG	493107	Big Lake - Deep Hole
8/11/2020 9:00	COMPLETE	BLDH-4M-AG	493107	Big Lake - Deep Hole
8/11/2020 9:00	COMPLETE	BLDH-5M-AG	493107	Big Lake - Deep Hole
8/11/2020 9:00	COMPLETE	BLDH-6M-AG	493107	Big Lake - Deep Hole
8/11/2020 9:00	COMPLETE	BLDH-7M-AG	493107	Big Lake - Deep Hole
8/11/2020 9:00	COMPLETE	BLDH-INT-AG	493107	Big Lake - Deep Hole
8/11/2020 11:00	COMPLETE	BL-INLET-AG	10039622	North Creek - S of Big Lake Drive
9/16/2020 17:00	COMPLETE	BLDH-3M-SEPT	493107	Big Lake - Deep Hole
9/16/2020 17:00	COMPLETE	BLDH-4M-SEPT	493107	Big Lake - Deep Hole
9/16/2020 17:00	COMPLETE	BLDH-5M-SEPT	493107	Big Lake - Deep Hole
9/16/2020 17:00	COMPLETE	BLDH-6M-SEPT	493107	Big Lake - Deep Hole
9/16/2020 17:00	COMPLETE	BLDH-7M-SEPT	493107	Big Lake - Deep Hole
9/16/2020 17:00	COMPLETE	BLDH-INT-SEPT	493107	Big Lake - Deep Hole
9/16/2020 17:30	COMPLETE	BL-INLET-SEPT	10039622	North Creek - S of Big Lake Drive
9/16/2020 17:30	COMPLETE	BL-INLET2-SEPT	10039622	North Creek - S of Big Lake Drive

Documents

Title	Description	Author	Published	Comments
LPL 1737 20 Final Report_Big Lake_2020	The goals of this research are to develop an estimate of summer growing seasonal internal P loading for use in P budgetary analysis and forecasting the impacts of internal P loading management on water quality.	UW - Stout Center for Limnological Research and Rehabilitation	3/31/2020	
LPL 1737 20_Corr_ChurchPineRoundBigLakesApproval_01242022	Approval letter	Alex Smith	1/24/2022	
LPL 1737 20_Final Report_Church Pine.Round.Big Lakes CLMP_2021			12/26/2021	
LPL 1737 20_Maps_Big Lake Watershed Landuse_2021	Maps of the watershed, land use, flow accumulation, and culver connections.\r\n	Colton Sorensen, Katelin Anderson	7/1/2021	

Wisconsin Department of Natural Resources
SWIMS Project Summary

LPL 1737 20_Nurtrient Analysis_Big Lake_2021	This analysis involved the collection of data to more closely evaluate the sediment release of phosphorus, determine if entrainment (entrainment is the movement of one fluid into another through an interface; in this case bottom layer water into upper layer water where algae can grow) of that phosphorus occurs into the upper layer of water where algae can grow, and compare that to external sources of phosphorus in Big Lake, Polk County Wisconsin.	Ecological Integrity Service, Polk County Land, and Water Resources Dept., and UW-Stout Center for Limnological Research	1/1/2021	
LPL 1737 20_Schedule_Big Lake_2021	Church Pine, Round and Big Lake COMPREHENSIVE LAKE MANAGEMENT PLAN 2021 SCHEDULE	CHURCH PINE ROUND & BIG LAKE P & R DISTRICT	1/1/2021	

Budget

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

Funding					
Organization	Source	Type	Amount	Start Date	End Date