

Wisconsin Department of Natural Resources
SWIMS Project Summary

General Project Information

Project ID: LPL174320

Name: BALSAM LAKE P & R DISTRICT: Balsam Lake Alum Treatment Monitoring

Type: Lakes Grant

Subtype: Large Scale Lake Planning

Status: COMPLETE

Start Date: 2/15/2020

End Date: 12/31/2022

Purpose: Balsam Lake Protection and Rehabilitation District is sponsoring a project to conduct monitoring of in-lake water quality and sediment to provide information for adaptive management for the Balsam Lake alum treatments.

Project deliverables include: GIS data & maps of areas monitored; water quality data entered in SWIMS; annual progress reports documenting monitoring results and alum treatment effectiveness.

Specific project conditions: CLMN efforts should not be duplicated, and these data shall be included in the trends analysis and final reporting; 3) All monitoring data shall be entered into SWIMS;

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 BALSAM LAKE P & R DISTRICT

Outcome:

Study Design:

QA Measures:

People						
Name	Role	Status	Start Date	End Date	Organization	Comments
James, William	PROJECT_LEAD	ACTIVE	2/15/2020	12/31/2022	University of Wisconsin - Stout	
Kabus, Patty	DATA_ENTRY	ACTIVE	2/15/2020	12/31/2022		

Project Statuses

Date	Reported By	Status	Comments
------	-------------	--------	----------

Actions

Action	Detailed Description	Start Date	End Date	Status
Grant Awarded		2/15/2020	12/31/2022	COMPLETE
Monitor Water Quality or Sediment		2/15/2020	12/31/2022	PROPOSED

Wisconsin Department of Natural Resources
SWIMS Project Summary

Details: Parameter	Value/Amount	Units	Comments
Arsenic - Concentration (Sediment)			
Mercury (Fish Tissue)			
PAHs - (Fish Tissue, Sediment)			
PCBs - Concentration (sediment)			

Monitoring Stations

Station ID	Name	Comments
493058	Balsam Lake - Off Rock Island - East Basin - Site 3	

Assessment Units

WBIC	Segment	Local Name	Official Name
2620600	1	Balsam Lake	Balsam Lake
2620600	2	East Balsam Lake	Balsam Lake

Lab Account Codes

Account Code	Description	Start Date	End Date
--------------	-------------	------------	----------

Forms

Form Code	Form Name
SECCHI_TEMPDO_PLUS	Lake Monitoring - Secchi, Temp., D.O., pH, Conductivity

Methods

Method Code	Method Description
-------------	--------------------

Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
5/19/2020 10:43	COMPLETE		493058	Balsam Lake - Off Rock Island - East Basin - Site 3
6/2/2020 10:42	COMPLETE		493058	Balsam Lake - Off Rock Island - East Basin - Site 3
6/16/2020 10:18	COMPLETE		493058	Balsam Lake - Off Rock Island - East Basin - Site 3
6/30/2020 9:59	COMPLETE		493058	Balsam Lake - Off Rock Island - East Basin - Site 3
7/14/2020 10:15	COMPLETE		493058	Balsam Lake - Off Rock Island - East Basin - Site 3
7/28/2020 10:56	COMPLETE		493058	Balsam Lake - Off Rock Island - East Basin - Site 3
8/11/2020 11:22	COMPLETE		493058	Balsam Lake - Off Rock Island - East Basin - Site 3
8/25/2020 10:41	COMPLETE		493058	Balsam Lake - Off Rock Island - East Basin - Site 3
9/9/2020 10:22	COMPLETE		493058	Balsam Lake - Off Rock Island - East Basin - Site 3
9/22/2020 11:30	COMPLETE		493058	Balsam Lake - Off Rock Island - East Basin - Site 3
9/30/2020 9:59	COMPLETE		493058	Balsam Lake - Off Rock Island - East Basin - Site 3
5/18/2021 10:20	COMPLETE		493058	Balsam Lake - Off Rock Island - East Basin - Site 3

Wisconsin Department of Natural Resources
SWIMS Project Summary

6/2/2021 10:00	COMPLETE		493058	Balsam Lake - Off Rock Island - East Basin - Site 3
6/15/2021 9:49	COMPLETE		493058	Balsam Lake - Off Rock Island - East Basin - Site 3
6/29/2021 9:47	COMPLETE		493058	Balsam Lake - Off Rock Island - East Basin - Site 3
7/13/2021 10:47	COMPLETE		493058	Balsam Lake - Off Rock Island - East Basin - Site 3
7/27/2021 10:33	COMPLETE		493058	Balsam Lake - Off Rock Island - East Basin - Site 3
8/10/2021 9:52	COMPLETE		493058	Balsam Lake - Off Rock Island - East Basin - Site 3
8/24/2021 10:40	COMPLETE		493058	Balsam Lake - Off Rock Island - East Basin - Site 3
9/8/2021 11:30	COMPLETE		493058	Balsam Lake - Off Rock Island - East Basin - Site 3
9/21/2021 10:31	COMPLETE		493058	Balsam Lake - Off Rock Island - East Basin - Site 3
5/17/2022 9:51	COMPLETE		493058	Balsam Lake - Off Rock Island - East Basin - Site 3
5/31/2022 11:47	COMPLETE		493058	Balsam Lake - Off Rock Island - East Basin - Site 3
6/14/2022 9:40	COMPLETE		493058	Balsam Lake - Off Rock Island - East Basin - Site 3
6/28/2022 10:00	COMPLETE		493058	Balsam Lake - Off Rock Island - East Basin - Site 3
7/11/2022 11:15	COMPLETE		493058	Balsam Lake - Off Rock Island - East Basin - Site 3
7/26/2022 11:45	COMPLETE		493058	Balsam Lake - Off Rock Island - East Basin - Site 3
8/8/2022 11:50	COMPLETE		493058	Balsam Lake - Off Rock Island - East Basin - Site 3
8/22/2022 11:45	COMPLETE		493058	Balsam Lake - Off Rock Island - East Basin - Site 3
9/6/2022 12:29	COMPLETE		493058	Balsam Lake - Off Rock Island - East Basin - Site 3
9/19/2022 12:07	COMPLETE		493058	Balsam Lake - Off Rock Island - East Basin - Site 3

Documents

Title	Description	Author	Published	Comments
Limnological Response to Alum Treatment: 2022 Interim Report	Summary of post-treatment monitoring of alum including lake monitoring, sediment chemistry, and phosphorus flux from sediments	University of Wisconsin – Stout		

Budget

Combined Budgets:

Combined WSLH:

Combined Total: \$0.00

Funding

Organization	Source	Type	Amount	Start Date	End Date
--------------	--------	------	--------	------------	----------