

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: WCR_13_CMP14

Name: Lake Arbutus Tier II Assessment for 303(d) listing - WCR_13_CMP14

Type: Competitive Projects

Subtype: Impaired Water Assessment

Status: COMPLETE

Start Date: 7/1/2014

End Date: 12/31/2014

Purpose: Lake Arbutus was last monitored in 2005 at which time the average phosphorus concentration was 124ug/L and the average Chlorophyll a concentration was 49ug/L. Recent complaints by lake users indicate algal blooms are common and interfering with designated uses of this lake. There are currently no CLMN volunteers associated with Lake Arbutus able to conduct chemistry monitoring.

Objective: Chemistry samples for total phosphorus and Chlorophyll a will be collected in Lake Arbutus to determine if current in-lake conditions meet water quality standards and to verify, per WisCALM guidance, whether 303(d) listing is appropriate for this lake. This project will fund the first of two years of sampling.

Comments: This is a new project. Could be funded using 303d followup funds.

Outcome: Project will provide water quality data needed to determine 303(d) listing per WisCALM guidance.

Study Design:

QA Measures:

People

Name	Role	Status	Start Date	End Date	Organization	Comments
LALIBERTE, PAUL J	SUPERVISOR	COMPLETE	7/1/2014	12/31/2014	Wisconsin DNR	
Lepsch, Jodi A	COORDINATOR	COMPLETE	7/1/2014	12/31/2014	Wisconsin DNR	
RING, JACOB D	TEAM_MEMBER	ACTIVE	7/1/2014	12/31/2014	Wisconsin DNR	
Sorge, Patrick W	COORDINATOR	ACTIVE	7/1/2014	12/31/2014	Wisconsin DNR	
TROMBLY, NEIL R	TEAM_MEMBER	ACTIVE	7/1/2014	12/31/2014	Wisconsin DNR	

Project Statuses

Date	Reported By	Status	Comments
12/10/2013	Patrick Sorge	Proposed	
5/14/2014	Jodi Lepsch	Progress: 0-25% Complete	
11/28/2016	Jodi Lepsch	Progress: 75-100% Complete	
12/19/2016	Jodi Lepsch	Complete	

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Project Status Detail	
Answer Set: DEFAULT	
Question	Answer
1. Number of Sample Sites (Enter the station IDs if you know them).	2 sample sites. Field recon will establish station IDs.
2. Number of Sample Events (Indicate how many trips into the field you anticipate for this project).	3 sample events
3. Proposed Dates for Sample Collection	~July 15 ~August 15 ~September 15
4. List applicable databases and who will enter data?	Jodi Lepsch will enter data into SWIMS database
5. Did you receive competitive projects funding in the previous year?	Yes
6. If yes to question 5, did you complete the projects including data entry and reports as necessary? If not, why not?	Yes
7. Reviewer Notes: Identify questions or issues with project (use during review period)	
8. Reviewer Decision: Is this project recommended for funding?	

Actions				
Action	Detailed Description	Start Date	End Date	Status
Monitor or Propose 303(d) Listing	Chemistry samples for total phosphorus and Chlorophyll a will be collected in Lake Arbutus to determine if current in-lake conditions meet water quality standards and to verify, per WisCALM guidance, whether 303(d) listing is appropriate for this lake. This project will fund the first of two years of sampling.	7/1/2014	12/31/2014	COMPLETE
Details: Parameter Value/Amount Units Comments				
Temperature				
Total Nitrogen				
Total Phosphorus				
Total Suspended Solids				
Monitor or Propose 303(d) Listing	Monitor phophorus and chlorophyll A. Lake Arbutus was last monitored in 2005 at which time the average phosphorus concentration was 124ug/L and the average Chlorophyll a concentration was 49ug/L. Recent complaints by lake users indicate algal blooms are common and interfering with designated uses of this lake. There are currently no CLMN volunteers associated with Lake Arbutus able to conduct chemistry monitoring.	7/1/2014	12/31/2014	PROPOSED

Monitoring Stations		
Station ID	Name	Comments
273120	Arbutus Lake - Deep Hole	

Assessment Units			
WBIC	Segment	Local Name	Official Name
1727700	1	Arbutus Lake	Arbutus Lake*

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1727700	3	West Arbutus Beach, Arbutus Lake	Arbutus Lake*
1729000	4	East Fork Black River	East Fork Black River

Lab Account Codes

Account Code	Description	Start Date	End Date
WT142	303D/TMDL MONITORING	5/3/2011	12/31/2014

Forms

Form Code	Form Name
FIELD CHEMISTRY FORM	Field Chemistry Form
SECCHI_TEMPDO_PLUS	Lake Monitoring - Secchi, Temp., D.O., pH, Conductivity

Methods

Method Code	Method Description
LAKES_LTT_2008	Lake Long Term Trend Water Quality Sampling Procedures 2008

Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
7/15/2014 10:45	COMPLETE	LA1	273120	Arbutus Lake - Deep Hole
7/15/2014 10:45	COMPLETE		273120	Arbutus Lake - Deep Hole
8/12/2014 10:45	COMPLETE	LA1	273120	Arbutus Lake - Deep Hole
8/12/2014 10:45	COMPLETE		273120	Arbutus Lake - Deep Hole
9/23/2014 12:30	COMPLETE	LAI	273120	Arbutus Lake - Deep Hole
9/23/2014 12:30	COMPLETE		273120	Arbutus Lake - Deep Hole

Documents

Title	Description	Author	Published	Comments
Lake Arbutus 303d listing data				
WCR_13_CMP14 status 10132016	WCR_13_CMP14 status 10 13 2016	SWIMS Reports	10/13/2016	

Budget

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Budget Description: Fy 2014		Start Date: 7/1/2014	End Date: 12/31/2014
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Code	Description	Quantity	Units	Unit Cost	Total Cost	Comments
FTE	FTE Hours		Hours	\$0.00	\$0.00	
LTE SAL	LTE Salary	68	Hours	\$16.00	\$1,088.00	Average cost of LTE crew
LTE FR	LTE Fringe				\$268.74	
LTE IND	LTE Indirect				\$219.38	
LTE TOT	LTE Total Cost				\$1,576.12	
SUPPLY	Supplies				\$0.00	
EQUIP	Equipment				\$0.00	
MILEAGE	Mileage	360	Miles	\$0.72	\$259.20	
MEAL	Meals	6	Meals	\$10.00	\$60.00	
LODGE	Lodging				\$0.00	
TRAVEL	Travel Total				\$319.20	
BUG	Bug Contracts				\$0.00	
OTHER	Other Contracts				\$0.00	
USGS	USGS Costs				\$0.00	
TOTAL	Total Cost (excludes SLOH)				\$1,895.32	

Total WSLH Lab Costs:	\$0.00
Total Budget:	\$1,895.32
Combined Budgets:	\$1,895.32
Combined WSLH:	\$0.00
Combined Total:	\$1,895.32

Funding					
Organization	Source	Type	Amount	Start Date	End Date