#### **General Project Information**

Project ID:	NOR_05_0	CMP14								
Name:	Durphee Lake Water Quality Assessment - NOR_05_CMP14									
Туре:	Competitiv	e Projects								
Subtype:	Impaired V	Vater Assessment								
Status:	ACTIVE									
Start Date:	07/01/2014	4								
End Date:	12/31/2014	4								
Purpose:	Durphee L classified chlorophyl "occasiona the lake is TSI is betw	ake (WBIC:239680 as eutrophic, as is I data to make a for ally bluegreen alga also connected via veen 50-60 with se	00) is a 198 ar evident by the rmal assess e develops to a a channel to cchi measure	cre seepage la e green color i nent. In 1969, the nuisance a cranberry o ements estima	ake with a ma n aerial photo the Surface stage and ca peration on th ated at 1-2 mo	aximum depth of 16 fee os. However, there are Water Resources of Sa auses partial summer f he west shore. Satellite eters.	t. Durphee Lake is no phosphorus or wyer County states that ish kill conditions" and that e imagery data suggest the			
Objective:	Water quality sampling will be conducted by 2 DNR staff at the deep hole site (Site ID-10041471) of Durphee Lake (WBIC:2396800). Samples will be taken 3 times between July 15 and September 15 in 2014 and 2015 to coincide with WisCALM methodology. At each sampling event, multiparameter probes will be used to conduct profiles and integrated samplers will be used to collect the water samples. Water quality sampling will be conducted by 2 DNR staff at the deep hole site (Site ID-10041471) of Durphee Lake (WBIC:2396800). Samples will be taken 3 times between July 15 and September 15 in 2014 (FY15) and 2015 (FY16) to coincide with WisCALM methodology. At each sampling event, multiparameter probes will be used to conduct profiles and integrated samplers will be used to collect the water sampling event, multiparameter probes will be used to conduct profiles and integrated samplers will be used to collect the water sampling event, multiparameter probes will be used to conduct profiles and integrated samplers will be used to collect the water samples.									
Comments: Outcome:	Data collected at the 3 summer sampling events will be secchi, temperature, dissolved oxygen, and conductivity profiles; and total phosphorus and chlorophyll a concentrations. pH will be measured at 1 m depth. This project will be continued as a Directed Lakes project.(project: Directed Lakes 2015 Smith, ID: DL2015_Smith). Water quality sampling will be conducted by 2 DNR staff at the deep hole site (Site ID-10041471) of Durphee Lake (WBIC:2396800). Samples will be taken 3 times between July 15 and September 15 in 2014 (FY15) and 2015 (FY16) to coincide with WisCALM methodology. At each sampling event, multiparameter probes will be used to conduct profiles and integrated samplers will be used to collect the water samples.									
Study Design:	<ul> <li>Data collected at the 3 summer sampling events will be secchi, temperature, dissolved oxygen, pH, and conductivity profiles; and total phosphorus and chlorophyll a concentrations.</li> <li>The data will be entered into SWIMS database by Alex Smith by 11/30/14 and the final report will be complete by 12/31/14.</li> <li>Water quality sampling will be conducted by 2 DNR staff at the deep hole site (Site ID-10041471) of Durphee Lake (WBIC:2396800). Samples will be taken 3 times between July 15 and September 15 in 2014 (FY15) and 2015 (FY16) to coincide with WisCALM methodology. At each sampling event, multiparameter probes will be used to conduct profiles and integrated samplers will be used to collect the water samples.</li> </ul>									
QA Measures:	Data collected at the 3 summer sampling events will be secchi, temperature, dissolved oxygen, pH, and conductance profiles; and total phosphorus, and chlorophyll a concentrations. Standard DNR protocols will be used for sample collection and field measurements. Sample will be analyzed by the SLOH.									
People										
Name		Role	Status	Start Date	End Date	Organization	Comments			
HAGEN, CHERIE	ΞL	SUPERVISOR	ACTIVE	07/01/2014	12/31/2014	Wisconsin DNR				
OLSON, FLOREI	NCE A	COORDINATOR	ACTIVE	07/01/2014	12/31/2014	Wisconsin DNR				
PEACHER, RAC	HEL D	COORDINATOR	ACTIVE	07/01/2014	12/31/2015	Wisconsin DNR				
Smith, Alex R		PROJECT_LEAD	COMPLETE	07/01/2014	12/31/2014	Wisconsin DNR				

07/01/2014 12/31/2014 Wisconsin DNR

COORDINATOR ACTIVE

Sundeen, Mark R

## Wisconsin Department of Natural Resources SWIMS Project Summary

## Project Statuses

Date	Reported By	Status	Comments
12/04/2013	AlexSmith	Proposed	
04/16/2014	AlexSmith	Active	
05/09/2014	Alex Smith	Progress: 0-25% Complete	Sampling won't begin until after July 15, 2014 per WisCALM requirements.
09/16/2014	Alex Smith	Progress: 75-100% Complete	Field work is complete.
01/23/2015	RUTH PERSON	Proposed	Proposed for continuation.
01/26/2015	Alex Smith	Progress: 25-50% Complete	FY 2015 field work is complete and data is entered in SWIMS. Continuing project includes FY 2016 field work, data entry, and final report.
02/09/2015	RUTH PERSON	Progress: 25-50% Complete	Was proposing as continuing local needs CMP15 project, but will fit better under Directed Lakes.
02/09/2015	Alex Smith	Progress: 75-100% Complete	FY 2015 field work is complete and data is entered in SWIMS. Project moved to Directed Lakes for FY 2016 (project name: Directed Lakes 2015 Smith).

#### **Project Status Detail**

Answer Set: DEFAULT

Question 1. Number of Sample	Sites (Enter th	ne station IDs if you know	Answer Durphee Lake Deep Hole: Site ID-10041471				
them). 2. Number of Sample field you anticipate for 2. Proposed Dates for	Events (Indica this project).	ate how many trips into the	3				
3. Proposed Dates to	r Sample Colle	ection	7/15/2014, 6/15/2014, 9/15/2	.014, 7/10 / Alox Sm	)/2013, 6/13 ith or Mork	5/201 Supa	15, 9/15/2015
5. Did you receive cor vear?	npetitive proje	cts funding in the previous	Yes				
6. If yes to question 5 data entry and reports	, did you comp as necessary	lete the projects including /? If not, why not?	Yes, monitoring and data entry in SWIMS is complete. Report will be drafted following completion of project after the second year of				
7. Reviewer Notes: Ic (use during review pe 8. Reviewer Decision funding?	lentify questior riod) : Is this project	ns or issues with project recommended for					
Actions							
Action Detailed Descript Monitor Water Quality or Sediment			ion	Start *******	End Date 12/31/2015	5	<b>Status</b> PROPOSED
Monitoring Station	s						
<b>Station ID</b> 10041471	tion IDName041471Durphee Lake Deep Hole			Comments			
Assessment Units							
<b>WBIC</b> 2396800	<b>Segment</b> 1	Local Name Durphee Lake	<b>Official Name</b> Durphee Lake				
Lab Account Code	s						
Account Code WT142	Description 303D/TMDL N	IONITORING	<b>S</b> (	Start Date 05/03/201	<b>)</b> 1	<b>End</b> 12/3	<b>Date</b> 1/2014

LTE IND

LTE TOT

SUPPLY

MILEAGE

EQUIP

MEAL

LODGE

TRAVEL

OTHER

USGS

TOTAL

**Test Code** 

**Total Budget:** 

Total SLOH Lab Costs:

BUG

LTE Indirect

Supplies

Mileage

Lodging

Travel Total

**Bug Contracts** 

**USGS** Costs

Description

Budget Description: July-Dec 2015

Other Contracts

Total Cost (excludes SLOH)

\$0.00

\$550.65

Meals

Equipment

LTE Total Cost

Forms								
Form Code SECCHI_TEMPDC SECCHI_TEMPDC	Form Name D_PL <sup> </sup> Lake Moni D Lake Moni	e toring - Secchi, Te toring - Secchi, Te	mp., D.O., mperature	pH, Conducti and D.O.	vity			
Methods								
Method Code BASELINE LAKE N METHODS - LAKE LAKES_LTT_2008	IONITORING PROFILES	<b>Description</b> BASELINE LAKE MONITORING METHODS - Temperature/D.O./Conductance Profiles Lake Sampling Procedures – Long Term Trend Water Quality						
Fieldwork Ever	nts							
Start Date           07/17/2014 10:00           08/12/2014 11:30           09/09/2014 14:30           Documents           Title           Durphee Lake Air	Status COMPLETE COMPLETE COMPLETE Desc Photo	Field ID DUR-1-14 DUR-2-14 Durphee 3	-14	Station ID 10041471 10041471 10041471 Author	Station Name Durphee Lake De Durphee Lake De Durphee Lake De	eep Hole eep Hole eep Hole blished ( 2	<b>Comments</b> 2008 Air Photo capture nternal Surface Water	ed fron Data
						١	liewer.	_
Budget								
Budget Description: July-December 2014					Start Date:	E	End Date:	
Code FTE LTE SAL	Description FTE Hours LTE Salary		<b>Quantity</b> 20 20	<b>Units</b> Hours Hours	Unit Cost \$0.00 \$13.00	<b>Total Cost</b> \$0.00 \$260.00	Comments	
LIEFR	LIE Fringe					\$64.22		

3

200

0

from

\$52.43

\$376.65

\$0.00

\$0.00

\$0.00

\$0.00 \$0.00

\$0.00

Unit Cost

End Date:

**Total Cost** 

\$550.65

# Planned

\$144.00

\$144.00

\$30.00 Shipping

\$10.00

\$0.72

\$9.00

Start Date:

Miles

Meals

**Test Group** 

# Wisconsin Department of Natural Resources SWIMS Project Summary

Code	Descripti	on	Quantity	Units	Unit Cost	<b>Total Cost</b>	Comments	
FTE	FTE Hour	S	20	Hours	\$0.00	\$0.00		
LTE SAL	LTE Sala	ry	60	Hours	\$13.00	\$780.00		
LTE FR	LTE Fring	je				\$192.66		
LTE IND	LTE Indire	ect				\$157.28		
LTE TOT	LTE Total	Cost				\$1,129.94		
SUPPLY	Supplies		3		\$10.00	\$30.00	Shipping	
EQUIP	Equipme	nt				\$0.00		
MILEAGE	Mileage		200	Miles	\$0.72	\$144.00		
MEAL	Meals		0	Meals	\$9.00	\$0.00		
LODGE	Lodging					\$0.00		
TRAVEL	Travel Tor	tal				\$144.00		
BUG	Bug Cont	racts				\$0.00		
OTHER	Other Cor	ntracts				\$0.00		
USGS	USGS Costs					\$0.00		
TOTAL	Total Cost (excludes SLOH)					\$1,303.94		
Test Code	Description	n		Test Group	#1	Planned	Unit Cost	Total Cost
Total SLOH Lab	Costs:	\$0.00						
Total Budget:		\$1,303.94						
Combined Budd	aets:	\$1,854.59						
Combined SLO	H:	\$0.00						
Combined Total	:	\$1,854.59						
Funding								
Organization			Source	Туре		Amour	nt Start Date	End Date