

## Wisconsin Department of Natural Resources SWIMS Project Summary

### General Project Information

**Project ID:** NOR\_20\_CMP12

**Name:** Proposed NOR Spirit and North Spirit Lakes 303d evaluation Continuation

**Type:** Targeted Monitoring

**Subtype:** Newly Proposed

**Status:** INACTIVE

**Start Date:** 07/01/2011

**End Date:** 06/30/2012

**Purpose:** Spirit and North Spirit Lakes (Price Co.) have average total phosphorus concentrations of about 70 ug/l which greatly exceeds the WisCALM threshold of 40 ug/l for 303d listing. It is suspected that naturally occurring groundwater and wetland drainage TP concentrations are a substantial cause of the high lake TP's. Monitoring will be done to determine if this is the case. Very atypical runoff conditions in 2010 prevented obtaining representative watershed phosphorus loading estimates, so additional stream sampling is planned for 2011. Monitoring includes:

1. Five stream sites sampled for TP on 6 dates. Estimated flow, D.O., temp., and conductivity will be measured.
2. The watershed will be delineated and land use will be assessed.
3. A report of the findings will be made.

**Objective:** Spirit and North Spirit Lakes are being evaluated for inclusion on the 303d list. The project will determine if inclusion is appropriate, or if naturally occurring conditions are the primary cause of the lakes' high TP concentrations.

**Comments:** Project Category 2: 303(d) Impaired Waters List

**Outcome:** Performance Measures: These are milestones that will be reported on in the Division Quarterly Report. Please estimate dates in a manner that encourages success.

- 1) Number of sample sites associated with the project.  
5
- 2) Number of sampling events associated with project.  
6
- 3) Estimated date when sample collection will be complete.  
Nov. 1, 2011
- 4) Estimated date when all data will be entered into appropriate database.  
December 31, 2011
- 5) Estimated date when final report will be complete.  
May 1, 2012

**Study Design:**

**QA Measures:**

### People

Name	Role	Status	Start Date	End Date	Organization	Comments
------	------	--------	------------	----------	--------------	----------

### Project Statuses

Date	Reported By	Status	Comments
01/31/2011	MOLLI MACDONALD	Proposed	

### Project Status Detail

**Answer Set: DEFAULT**

Question	Answer
1. Number of Sample Sites (Enter the station IDs if you know them).	5
2. Number of Sample Events (Indicate how many trips into the field you anticipate for this project).	6
3. Proposed Dates for Sample Collection	March - Nov. 2011
4. List applicable databases and who will enter data?	SWIMS Craig Roesler
5. Did you receive competitive projects funding in the previous year?	Yes

## Wisconsin Department of Natural Resources SWIMS Project Summary

**Question****Answer**

6. If yes to question 5, did you complete the projects including data entry and reports as necessary? If not, why not?      Yes, projects are up to date
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	End Date	Status
--------	----------------------	-------	----------	--------

**Monitoring Stations**

Station ID	Name	Comments
------------	------	----------

**Assessment Units**

WBIC	Segment	Local Name	Official Name
------	---------	------------	---------------

**Lab Account Codes**

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

**Forms**

Form Code	Form Name
-----------	-----------

**Methods**

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

**Fieldwork Events**

Start Date	Status	Field ID	Station ID	Station Name
------------	--------	----------	------------	--------------

**Documents**

Title	Description	Author	Published	Comments
-------	-------------	--------	-----------	----------

**Budget**

<b>Budget Description:</b> Budget for Proposed Spirit and North Spirit Lakes 303d evaluation Continuation - NOR_20_CMP12	<b>Start Date:</b> 07/01/2011	<b>End Date:</b> 06/30/2012
--	-------------------------------	-----------------------------

Code	Description	Quantity	Units	Unit Cost	Total Cost	Comments
FTE	FTE Hours	48	Hours	\$0.00	\$0.00	
LTE SAL	LTE Salary		Hours	\$13.00	\$0.00	
LTE FR	LTE Fringe				\$0.00	
LTE IND	LTE Indirect				\$0.00	
LTE TOT	LTE Total Cost				\$0.00	
SUPPLY	Supplies	6		\$20.00	\$120.00	
MILEAGE	Mileage	1284	Miles	\$0.37	\$475.08	
MEAL	Meals	6	Meals	\$9.00	\$54.00	
LODGE	Lodging				\$0.00	
TRAVEL	Travel Total				\$529.08	
BUG	Bug Contracts				\$0.00	

## Wisconsin Department of Natural Resources SWIMS Project Summary

Code	Description	Quantity	Units	Unit Cost	Total Cost	Comments
OTHER	Other Contracts				\$0.00	
EQUIP	Equipment				\$0.00	
USGS	USGS Costs				\$0.00	
TOTAL	Total Cost (excludes SLOH)				\$649.08	

Test Code	Description	Test Group	# Planned	Unit Cost	Total Cost
I520PLT	TOTAL PHOSPHORUS (AS P) (EPA 365.1)	INORGANIC CHEMISTRY	30	\$23.60	\$708.00

**Total SLOH Lab Costs:** \$708.00  
**Total Budget:** \$1,357.08

**Combined Budgets:** \$649.08  
**Combined SLOH:** \$708.00  
**Combined Total:** \$1,357.08

### Funding

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