

# Wisconsin Department of Natural Resources SWIMS Project Summary

## General Project Information

**Project ID:** DL2016\_Smith  
**Name:** Directed Lakes 2016 Smith  
**Type:** Targeted Monitoring  
**Subtype:**  
**Status:** COMPLETE  
**Start Date:** 02/15/2016  
**End Date:** 12/31/2099  
**Purpose:**  
**Objective:** Collect baseline water chemistry, aquatic plants, and AIS data for the following lakes:  
 Smith Lake, Sawyer County, WBIC:2726100  
 Blueberry Lake, Sawyer County, WBIC:1835700  
 Sand Lake, Polk County, WBIC:2495000  
 Poplar Lake, Polk County, WBIC:2491000  
 Largon Lake, Polk County, WBIC:2668100  
 Pickerel Lake, Polk County, WBIC:2458900  
 Butternut Lake, Barron County, WBIC:2105800  
 Scott Lake, Barron County, WBIC:2630700  
**Comments:** Blueberry Lake is on the 2016 fishery rotation, citizen concerns about aquatic plants, 2004 is only year of water chemistry data.  
 Butternut Lake is on the 2016 fisher rotation, no historic water chemistry data.  
 Largon Lake is a fishery rotation lake with no chemistry data, ranked a 5 on priority list. CLMN secchi volunteer has agreed to collect water chemistry samples for 2 years.  
 Pickerel Lake is a two story lake that fisheries stocks with trout each year, citizen concerns about algae and cows in the lake, fish biologist is very interested in water chemistry data. CLMN secchi volunteer will collect water chemistry samples for 2 years.  
 Poplar Lake is a fishery rotation lake with no historic water chemistry data  
 Sand Lake is on the 2016 fishery rotation, no historic water chemistry data, citizen concerns about water levels  
 Scott Lake is a fishery rotation lake with no historic water chemistry data  
 Smith Lake was a directed lake in 2015 and this project will provide the second year of water chemistry monitoring. We will not monitor shoreline habitat or aquatic plants on Smith Lake in 2016 since that was done in 2015. We will monitor for AIS in Smith Lake.

**Outcome:**  
**Study Design:** 3 water chemistry sampling events from July 15 – Sept. 15 (typical WisCALM)  
 1 plant point intercept survey (also look for and document AIS during that survey)  
 1 AIS survey – this entails a 10 minute search with a Dnet at the boat landing and at 5 targeted sites and 1 Ekman dredge at the deep hole  
 CLMN secchi volunteers have agreed to monitor chemistry on Largon and Pickerel Lakes, Polk County

**QA Measures:**

## People

Name	Role	Status	Start Date	End Date	Organization	Comments
HAGEN, CHERIE L	SUPERVISOR	COMPLETE	02/15/2016		Wisconsin DNR	
Larsen, Kris H	TEAM_MEMBER	ACTIVE	02/15/2016	12/31/2099	Wisconsin DNR	
Smith, Alex R	COORDINATOR	ACTIVE	02/15/2016		Wisconsin DNR	
Sundeen, Mark R	COORDINATOR	COMPLETE	02/15/2016	08/29/2020	Wisconsin DNR	

## Wisconsin Department of Natural Resources SWIMS Project Summary

### Project Statuses

Date	Reported By	Status	Comments
02/17/2016	Alex Smith	Proposed	
07/08/2016	Alex Smith	Progress: 0-25% Complete	
08/24/2016	Alex Smith	Progress: 75-100% Complete	
09/12/2016	Alex Smith	Complete	

### Actions

Action	Detailed Description	Start	End Date	Status
Aquatic Plant Monitoring or Survey		02/15/2016	12/31/2099	PROPOSED
Monitor Water Quality or Sediment	Collect baseline water chemistry, aquatic plants, and AIS data for the following lakes: Smith Lake, Sawyer County, WBIC:2726100 Blueberry Lake, Sawyer County, WBIC:1835700 Sand Lake, Polk County, WBIC:2495000 Poplar Lake, Polk County, WBIC:2491000 Largon Lake, Polk County, WBIC:2668100 Pickerel Lake, Polk County, WBIC:2458900 Butternut Lake, Barron County, WBIC:2105800 Scott Lake, Barron County, WBIC:2630700	02/15/2016	12/31/2099	PROPOSED
Monitor Invasive Species		02/15/2016	12/31/2099	PROPOSED

### Monitoring Stations

Station ID	Name	Comments
583030	Blueberry Lake - Deep Hole	
10044750	Butternut Lake Deep Hole	
10039138	Crescent/Pickerel Lake - Deep Hole	
493142	Largon Lake - Deep Hole	
493147	Poplar Lake - Deep Hole	
493208	Sand Lake - Deep Hole	
034012	Scott Lake - Center	
583156	Smith Lake - Deep Hole	

### Assessment Units

WBIC	Segment	Local Name	Official Name
1835700	1	Blueberry Lake	Blueberry Lake
2105800	1	Butternut Lake	Butternut Lake
2458900	1	Crescent Lake (Pickerel)	Pickerel Lake
2491000	1	Poplar Lake	Poplar Lake
2495000	1	Sand Lake	Sand Lake
2630700	1	Scott Lake	Scott Lake
2668100	1	Largon Lake	Largon Lake
2726100	1	Smith Lake	Smith Lake

### Lab Account Codes

Account Code	Description	Start Date	End Date
WQ014	DIRECTED LAKES MONITORING	04/22/2015	12/31/2099

### Forms

Form Code	Form Name
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## Wisconsin Department of Natural Resources SWIMS Project Summary

**Form Code**                      **Form Name**  
SECCHI\_TEMPDO\_PLI Lake Monitoring - Secchi, Temp., D.O., pH, Conductivity

### Methods

Method Code	Description
AQ_PLANT_2010	Baseline Aquatic Plants Monitoring 2010
BASILINE LAKE MONITORING METHODS - INTEGRATED SAMPLER - CHEM SAMPLES	Baseline Lake Integrated Sampler 2003
BASILINE LAKE MONITORING METHODS - LAKE PROFILES	Baseline Lake Monitoring Temperature/D.O./Conductance Profile 2003

### Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
07/06/2016 11:00	COMPLETE		10039138	Crescent/Pickerel Lake - Deep Hole
07/13/2016 10:00	COMPLETE		493142	Largon Lake - Deep Hole
07/19/2016	COMPLETE		10044750	Butternut Lake Deep Hole
07/19/2016	COMPLETE		493208	Sand Lake - Deep Hole
07/19/2016	COMPLETE		493147	Poplar Lake - Deep Hole
07/19/2016 12:00	COMPLETE		034012	Scott Lake - Center
07/21/2016 14:00	COMPLETE	SMITH LAKE DEEP	583156	Smith Lake - Deep Hole
07/21/2016 14:00	COMPLETE		583156	Smith Lake - Deep Hole
07/25/2016 14:00	COMPLETE	Blue-1-16	583030	Blueberry Lake - Deep Hole
07/26/2016 11:00	COMPLETE	LARGON LAKE	493142	Largon Lake - Deep Hole
07/26/2016 11:00	COMPLETE		493142	Largon Lake - Deep Hole
08/03/2016	COMPLETE		493208	Sand Lake - Deep Hole
08/03/2016	COMPLETE		493147	Poplar Lake - Deep Hole
08/03/2016 12:00	COMPLETE		493208	Sand Lake - Deep Hole
08/03/2016 13:00	COMPLETE		493147	Poplar Lake - Deep Hole
08/09/2016	COMPLETE	Blue-2-16	583030	Blueberry Lake - Deep Hole
08/10/2016	COMPLETE	Smith-2-16	583156	Smith Lake - Deep Hole
08/12/2016	COMPLETE		10039138	Crescent/Pickerel Lake - Deep Hole
08/12/2016	COMPLETE		034012	Scott Lake - Center
08/12/2016	COMPLETE		10044750	Butternut Lake Deep Hole
08/22/2016 13:30	COMPLETE	AUG	493142	Largon Lake - Deep Hole
08/22/2016 13:30	COMPLETE		493142	Largon Lake - Deep Hole
08/25/2016 12:15	COMPLETE	Smith-3-16	583156	Smith Lake - Deep Hole
08/29/2016	COMPLETE	Poplar-3-16	493147	Poplar Lake - Deep Hole
08/29/2016 13:30	COMPLETE	CRESCENT/PICKEF	10039138	Crescent/Pickerel Lake - Deep Hole
08/30/2016	COMPLETE	Sand-3-16	493208	Sand Lake - Deep Hole
08/31/2016	COMPLETE		10044750	Butternut Lake Deep Hole
08/31/2016 11:30	COMPLETE		034012	Scott Lake - Center
09/01/2016	COMPLETE	Blue-3-16	583030	Blueberry Lake - Deep Hole
09/06/2016 12:00	COMPLETE	SEPT-LARGON	493142	Largon Lake - Deep Hole
10/02/2016 10:00	COMPLETE	CRESCENT/PICKEF	10039138	Crescent/Pickerel Lake - Deep Hole

### Documents

Title	Description	Author	Published	Comments
Test Request &#8208; Citizen Lake Monitoring		Jen Filbert	06/02/2016	

## Wisconsin Department of Natural Resources SWIMS Project Summary

Title	Description	Author	Published	Comments
Network [Directed Lakes- 2016 - Largon and Crescent/Pickerel, Polk Co]				

### Budget

**Budget Description:**2016 Directed Lakes **Start Date:** 07/01/2016 **End Date:** 12/31/2016

Code	Description	Quantity	Units	Unit Cost	Total Cost	Comments
FTE	FTE Hours	130	Hours	\$0.00	\$0.00	
LTE SAL	LTE Salary	130	Hours	\$14.00	\$1,820.00	
LTE FR	LTE Fringe				\$449.54	
LTE IND	LTE Indirect				\$366.98	
LTE TOT	LTE Total Cost				\$2,636.52	
SUPPLY	Supplies				\$0.00	
EQUIP	Equipment	2		\$375.00	\$750.00	Equipment for CLMN volunteers
MILEAGE	Mileage	1200	Miles	\$0.72	\$864.00	
MEAL	Meals	20	Meals	\$9.00	\$180.00	
LODGE	Lodging				\$0.00	
TRAVEL	Travel Total				\$1,044.00	
BUG	Bug Contracts				\$0.00	
OTHER	Other Contracts				\$0.00	
USGS	USGS Costs				\$0.00	
TOTAL	Total Cost (excludes SLOH)				\$4,430.52	

Test Code	Description	Test Group	# Planned	Unit Cost	Total Cost
<b>Total SLOH Lab Costs:</b>				\$0.00	
<b>Total Budget:</b>				\$4,430.52	
<b>Combined Budgets:</b>				\$4,430.52	
<b>Combined SLOH:</b>				\$0.00	
<b>Combined Total:</b>				\$4,430.52	

### Funding

Organization	Source	Type	Amount	Start Date	End Date
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