

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: LPL-1453-12

Name: SAND LAKE MANAGEMENT DISTRICT: Sand Lake Comprehensive Management Planning Project

Type: Lakes Grant

Subtype: Large Scale Lake Planning

Status: COMPLETE

Start Date: 10/1/2011

End Date: 12/31/2013

Purpose: Sand Lake Management District is sponsoring a project to assess In-lake, tributary, & ground water quality conditions; determine nutrient budget, loads, and model lake response; conduct paleocore and internal loading analyses; monitor precipitation and lake level; conduct agriculture BMP planning and shoreline restoration design; coordinate stakeholder participation and planning; develop a lake management plan including public participation/meetings.

The final deliverables include agendas or attendance lists for planning meetings, and a single lake management plan that includes methodologies, results, and management alternatives discussion with an implementation plan. Interim deliverables include progress reports that include maps, spreadsheets, and other data collected.

The specific project tasks include: 1) In-lake, tributary, & ground water quality monitoring; 2) Precipitation & Lake Level monitoring; 3) Water & Nutrient budget analysis; 4) Top/bottom paleocore; 5) Internal loading analysis; 6) Shoreline restoration site design; 7) Agriculture BMP planning; 8) Develop Lake Management plan including public participation/meetings.

Special Conditions: CLMN efforts should not be duplicated, and these data shall be included in the trends analysis and final reporting.

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 Coordinator.

Objective:

Comments: Grantee is SAND LAKE MANAGEMENT DISTRICT

Outcome:

Study Design:

QA Measures:

People

Name	Role	Status	Start Date	End Date	Organization	Comments
Blumer, David L	TEAM_MEMBER	COMPLETE	10/1/2011		Lake Education and Planning Services (LEAPS)	
Klund, Gary	TEAM_MEMBER	ACTIVE	10/1/2011			
Macholl, Jake	TEAM_MEMBER	ACTIVE	12/18/2013		SEH	
Sand Lake Management District,	GRANT_RECIPIENT	ACTIVE	10/1/2011		Sand Lake Management District	

Project Statuses

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

Actions

Wisconsin Department of Natural Resources SWIMS Project Summary

Action	Detailed Description	Start Date	End Date	Status
Nutrient Budget Development		10/1/2011	6/30/2013	IN_PROGRESS
Grant Awarded	<p>Sand Lake Management District is sponsoring a project to assess In-lake, tributary, & ground water quality conditions; determine nutrient budget, loads, and model lake response; conduct paleocore and internal loading analyses; monitor precipitation and lake level; conduct agriculture BMP planning and shoreline restoration design; coordinate stakeholder participation and planning; develop a lake management plan including public participation/meetings.</p> <p>The final deliverables include agendas or attendance lists for planning meetings, and a single lake management plan that includes methodologies, results, and management alternatives discussion with an implementation plan. Interim deliverables include progress reports that include maps, spreadsheets, and other data collected.</p> <p>The specific project tasks include: 1) In-lake, tributary, & ground water quality monitoring; 2) Precipitation & Lake Level monitoring; 3) Water & Nutrient budget analysis; 4) Top/bottom paleocore; 5) Internal loading analysis; 6) Shoreline restoration site design; 7) Agriculture BMP planning; 8) Develop Lake Management plan including public participation/meetings.</p>	10/1/2011	6/30/2013	COMPLETE
Habitat Restoration - Shoreland	Shoreland Restoration	10/1/2011	12/31/2013	PROPOSED
Lake Management Plan Development		10/1/2011	6/30/2013	IN_PROGRESS

Monitoring Stations

Station ID	Name	Comments
10030738	Sand Lake - Central Basin	
033143	Sand Lake - Near Deepest Pt	
10034771	Sand Lake - Near Inlet	
10030739	Sand Lake - North Basin	
10034772	Sand Lake East Tributary at PL Site	
10034773	Sand Lake Outlet	
10034767	Sand Lake Outlet R#3	
10034766	Sand Lake Silo Bay	
10034770	Sand Lake W Trib at Silo Bay	
10034765	Sand Lake near Boat Landing	
10034774	Sand Lake near Northeast Tributary	
10034768	Sand Lake near Northwest Tributary	

Wisconsin Department of Natural Resources SWIMS Project Summary

Assessment Units

WBIC	Segment	Local Name	Official Name
2659400	3	Sand Creek	Sand Creek
2661100	1	Sand Lake	Sand Lake

Lab Account Codes

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

Forms

Form Code	Form Name
SECCHI_TEMPDO	Lake Monitoring - Secchi, Temperature and D.O.

Methods

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

Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
4/17/2012 13:30	COMPLETE	SL-DH-APR	033143	Sand Lake - Near Deepest Pt
4/17/2012 14:30	COMPLETE	SL-CB-APR	10030738	Sand Lake - Central Basin
4/17/2012 14:44	COMPLETE	SL-NB-APR	10030739	Sand Lake - North Basin
4/17/2012 15:00	COMPLETE	SL-OUT-APR	10034773	Sand Lake Outlet
4/22/2012 11:00	COMPLETE	SL-OUT-SPR	10034773	Sand Lake Outlet
4/22/2012 11:30	COMPLETE	SL-CB-SPR	10030738	Sand Lake - Central Basin
4/22/2012 11:30	COMPLETE	SL-DH-SPR	033143	Sand Lake - Near Deepest Pt
4/22/2012 11:30	COMPLETE	SL-NB-SPR	10030739	Sand Lake - North Basin
5/25/2012 13:00	COMPLETE	SL-INT-MAY	10034771	Sand Lake - Near Inlet
5/25/2012 13:00	COMPLETE	SL-OUT-MAY	10034773	Sand Lake Outlet
5/25/2012 13:00	COMPLETE	SL-WTR-MAY	10034770	Sand Lake W Trib at Silo Bay
5/28/2012 13:00	COMPLETE	SL-NET-MAY	10034774	Sand Lake near Northeast Tributary
6/11/2012 13:00	COMPLETE	SL-OUT-JNE	10034773	Sand Lake Outlet
6/11/2012 14:00	COMPLETE	SL-CB-JNE	10030738	Sand Lake - Central Basin
6/11/2012 14:00	COMPLETE	SL-DH-JNE	033143	Sand Lake - Near Deepest Pt
6/11/2012 14:00	COMPLETE	SL-NB-JNE	10030739	Sand Lake - North Basin
7/17/2012 11:00	COMPLETE	SL-OUT-JLY	10034773	Sand Lake Outlet
7/17/2012 12:00	COMPLETE	SLNBOTJLY	10030739	Sand Lake - North Basin
7/17/2012 12:00	COMPLETE	SLNBSURJLY	10030739	Sand Lake - North Basin
7/17/2012 13:00	COMPLETE	SLCBBOTJLY	10030738	Sand Lake - Central Basin
7/17/2012 13:00	COMPLETE	SLCBSURJLY	10030738	Sand Lake - Central Basin

Wisconsin Department of Natural Resources SWIMS Project Summary

7/17/2012 14:00	COMPLETE	SLDHBOTJLY	033143	Sand Lake - Near Deepest Pt
7/17/2012 14:00	COMPLETE	SLDHSURJLY	033143	Sand Lake - Near Deepest Pt
7/17/2012 15:00	COMPLETE	SL-INT-JLY	10034771	Sand Lake - Near Inlet
8/27/2012 14:00	COMPLETE	SL-NB-AUG	10030739	Sand Lake - North Basin
8/27/2012 14:00	COMPLETE	SL-OUT-AUG	10034773	Sand Lake Outlet
8/27/2012 15:00	COMPLETE	SL-CB-AUG	10030738	Sand Lake - Central Basin
8/27/2012 15:00	COMPLETE	SL-DH-AUG	033143	Sand Lake - Near Deepest Pt
9/15/2012 14:00	COMPLETE	SL-OUT-SEP	10034773	Sand Lake Outlet
10/16/2012 14:00	COMPLETE	SL-CB-OCT	10030738	Sand Lake - Central Basin
10/16/2012 14:00	COMPLETE	SL-DH-OCT	033143	Sand Lake - Near Deepest Pt
10/16/2012 14:00	COMPLETE	SL-NB-OCT	10030739	Sand Lake - North Basin
10/16/2012 14:00	COMPLETE	SL-OUT-OCT	10034773	Sand Lake Outlet
4/26/2013 14:20	COMPLETE	SL-WTR-SNOW MELT 201	10034770	Sand Lake W Trib at Silo Bay
4/26/2013 14:40	COMPLETE	SL-NWT-SNOW MELT 201	10034768	Sand Lake near Northwest Tributary
4/26/2013 14:45	COMPLETE	SL-ETR-SNOW MELT 201	10034768	Sand Lake near Northwest Tributary
4/26/2013 15:15	COMPLETE	SL-OUTLET SNOW MELT	10034772	Sand Lake East Tributary at PL Site
4/26/2013 17:30	COMPLETE	SL-INLET SNOW MELT 2	10034771	Sand Lake - Near Inlet

Documents

Title	Description	Author	Published	Comments
Sand Lake Comprehensive Management Plan 2014	Sand Lake Comprehensive Management Plan, prepared for the Sand Lake Management District, includes figures, maps, tables, and photos	Dave Blumer, Jacob A. Macholl	9/8/2014	
Sand Lake Management Plan Approval Request Letter	Sand Lake Management Plan Approval	Alex Smith	9/23/2014	

Budget

Combined Budgets:

Combined WSLH:

Combined Total: \$0.00

Funding

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