

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: LPL-1034-05

Name: TOWN OF JACKSON: Comprehensive Study of Loon Lake, Burnett Co., - Phase 1

Type: Lakes Grant

Subtype: Large Scale Lake Planning

Status: COMPLETE

Start Date: 4/1/2005

End Date: 12/31/2005

Purpose: The Town of Jackson, in cooperation with the Loon Lake Property Owners Association, will conduct a two-phase Comprehensive Survey Project for Loon Lake in Burnett County. This current application is for the phase 1 study involving a lake water quality assessment, a watershed assessment, and a lake water level assessment. [The Phase 2 study, planned for 2006, will focus on an aquatic plant survey, continued water chemistry assessment, a literature review, data analysis, and report writing.]

Activities involved in this current Phase 1 survey project include; 1.) a water quality assessment including water chemistry analysis, dissolved oxygen and temperature data, and the development of lake TSI's, 2.) a watershed assessment including boundary delineation, land use and cover type assessment, and identification of potential nutrient loading sources, and 3.) a lake level assessment including a review of historical level information, identify groundwater flow patterns utilizing piezometers, mapping ground water flow patterns, and investigate potential causes for lake level fluctuations.

The specific deliverable for this project will consist of a final grant project report, including a listing of all grant activities and results.

The Department of Natural Resources will be provided with both a paper copy and an electronic copy of the final report. The project results will be disseminated to the public by newsletter(s), public meeting(s), and local newspaper articles.

Objective:

Comments: Grantee is TOWN OF JACKSON

Outcome:

Study Design:

QA Measures:

People

Name	Role	Status	Start Date	End Date	Organization	Comments
Town of Jackson,	GRANT_RECIPIENT	ACTIVE	4/1/2005	12/31/2005	Town of Jackson	

Project Statuses

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

Actions

Action	Detailed Description	Start Date	End Date	Status
Aquatic Plant Monitoring or Survey		4/1/2005	12/31/2005	PROPOSED

Wisconsin Department of Natural Resources SWIMS Project Summary

Grant Awarded	The Town of Jackson, in cooperation with the Loon Lake Property Owners Association, will conduct a two-phase Comprehensive Survey Project for Loon Lake in Burnett County. This current application is for the phase 1 study involving a lake water quality assessment, a watershed assessment, and a lake water level assessment. [The Phase 2 study, planned for 2006, will focus on an aquatic plant survey, continued water chemistry assessment, a literature review, data analysis, and report writing.] Activities involved in this current Phase 1 survey project include; 1.) a water quality assessment including water chemistry analysis, dissolved oxygen and temperature data, and the development of lake TSI's, 2.) a watershed assessment including boundary delineation, land use and cover type assessment, and identification of potential nutrient loading sources, and 3.) a lake level assessment including a review of historical level information, identify groundwater flow patterns utilizing piezometers, mapping ground water flow patterns, and investigate potential causes for lake level fluctuations	4/1/2005		COMPLETE
Lakes Planning Grant		4/1/2005	12/31/2005	PROPOSED
Watershed Mapping or Assessment		4/1/2005	12/31/2005	PROPOSED
Develop/Distribute Newsletter		4/1/2005	12/31/2005	PROPOSED
Issue News/Media Release		4/1/2005	12/31/2005	PROPOSED
Monitor or Assess Watershed Condition		4/1/2005	12/31/2005	PROPOSED
Informational Meetings		4/1/2005	12/31/2005	PROPOSED
Monitor Water Quality or Sediment		4/1/2005	12/31/2005	PROPOSED
Project Deliverable	Final Report	4/1/2005	12/31/2005	PROPOSED

Monitoring Stations

Station ID	Name	Comments
073125	Loon Lake - Deep Hole	
073147	Loon Lake - Kilkare Marsh Near Golf Course	
073146	Loon Lake - SE Corner Of Loon Lk Adj To Marsh	

Assessment Units

WBIC	Segment	Local Name	Official Name
2670400	1	Loon Creek	Loon Creek
2673500	1	Loon Lake T40n R15w S01	Loon Lake

Lab Account Codes

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

Wisconsin Department of Natural Resources SWIMS Project Summary

Forms

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

Methods

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

Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
5/2/2005	COMPLETE	LL050205B	073146	Loon Lake - SE Corner Of Loon Lk Adj To Marsh
5/2/2005	COMPLETE	LL050205C	073147	Loon Lake - Kilcare Marsh Near Golf Course
5/28/2005	COMPLETE	LL052805B	073146	Loon Lake - SE Corner Of Loon Lk Adj To Marsh
5/28/2005	COMPLETE	LL052805C	073147	Loon Lake - Kilcare Marsh Near Golf Course
7/5/2005 16:00	COMPLETE	LL070505B	073146	Loon Lake - SE Corner Of Loon Lk Adj To Marsh
7/5/2005 16:00	COMPLETE	LL070505C	073147	Loon Lake - Kilcare Marsh Near Golf Course
8/11/2005	COMPLETE	LL081105A1	073125	Loon Lake - Deep Hole
8/11/2005	COMPLETE	LL081105B	073146	Loon Lake - SE Corner Of Loon Lk Adj To Marsh
8/11/2005	COMPLETE	LL081105C	073147	Loon Lake - Kilcare Marsh Near Golf Course
8/19/2005	COMPLETE	LL081905A2	073125	Loon Lake - Deep Hole
10/14/2005	COMPLETE	LL101405B	073146	Loon Lake - SE Corner Of Loon Lk Adj To Marsh
10/14/2005	COMPLETE	LL101405C	073147	Loon Lake - Kilcare Marsh Near Golf Course

Documents

Title	Description	Author	Published	Comments
Progress Report		Loon Lake Association	7/17/2006	

Budget

Combined Budgets:
Combined WSLH:
Combined Total: \$0.00

Funding

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