

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: SPL-174-08

Name: GRANITE LAKE ASSOCIATION INC.: Water Quality Survey of Granite Lake

Type: Lakes Grant

Subtype: Small Scale Lake Planning

Status: COMPLETE

Start Date: 4/1/2008

End Date: 6/30/2009

Purpose: The Granite Lake Association is sponsoring a 1-year small-scale planning grant to generally appraise water quality conditions in the lake. This project will collect water quality data from an additional surface water location designated by the Citizen Lake Monitoring Network, and at two stream sites, one above the lake inlet and one below the lake outlet. Water samples will be analyzed for a suite of inorganic water quality parameters by the Wisconsin State Lab of Hygiene. In addition, a one time top/bottom paleolimnological core will be collected and evaluated. Watershed analysis data provided by Barron County will be evaluated to determine areas of concern within the watershed. Data from this grant will be combined with existing and future data to help determine the best way to manage Granite Lake to improve or maintain water quality, lake-user satisfaction, and the overall health of the system.

Deliverables include paper and electronic (digital) copies of the Comprehensive Report including: 1) Final Report summarizing the accomplishments of the grant; 2) A Summary document of the results and evaluation of the paleo-core; 3) All raw data pertaining to lake and stream water quality monitoring, including data from the two surface water sites being submitted to the Wisconsin Surface Water Inventory Management System (SWIMS); 4) Copies of and evaluation of the original Barron County Granite Lake watershed analysis to be used to assist in future development of a hydrologic and nutrient budget for the lake.

Objective:

Comments: Grantee is GRANITE LAKE ASSOCIATION INC.

Outcome:

Study Design:

QA Measures:

People

Name	Role	Status	Start Date	End Date	Organization	Comments
Anderson, Roger	TEAM_MEMBER	COMPLETE	4/1/2008	6/30/2009		
Granite Lake Association, Inc.	GRANT_RECIPIENT	ACTIVE	4/1/2008	6/30/2009	Granite Lake Association, Inc.	
McNurlin, Larry C	TEAM_MEMBER	ACTIVE	4/1/2008	6/30/2009		

Project Statuses

Date	Reported By	Status	Comments
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Actions

Action	Detailed Description	Start Date	End Date	Status
Watershed Mapping or Assessment		4/1/2008	6/30/2009	PROPOSED

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Grant Awarded	The Granite Lake Association is sponsoring a 1-year small-scale planning grant to generally appraise water quality conditions in the lake. This project will collect water quality data from an additional surface water location designated by the Citizen Lake Monitoring Network, and at two stream sites, one above the lake inlet and one below the lake outlet. Water samples will be analyzed for a suite of inorganic water quality parameters by the Wisconsin State Lab of Hygiene. In addition, a one time top/bottom paleolimnological core will be collected and evaluated. Watershed analysis data provided by Barron County will be evaluated to determine areas of concern within the watershed.	4/1/2008	6/30/2009	COMPLETE
Monitor Water Quality or Sediment		4/1/2008	6/30/2009	PROPOSED
Grant Awarded	The Granite Lake Association is sponsoring a 1-year small-scale planning grant to generally appraise water quality conditions in the lake. This project will collect water quality data from an additional surface water location designated by the Citizen Lake Monitoring Network, and at two stream sites, one above the lake inlet and one below the lake outlet. Water samples will be analyzed for a suite of inorganic water quality parameters by the Wisconsin State Lab of Hygiene. In addition, a one time top/bottom paleolimnological core will be collected and evaluated. Watershed analysis data provided by Barron County will be evaluated to determine areas of concern within the watershed.	4/1/2008	6/30/2009	COMPLETE

Monitoring Stations

Station ID	Name	Comments
10022924	Unnamed Granite Lake Inlet Stream 200 Yds. Above Granite Lake	

Assessment Units

WBIC	Segment	Local Name	Official Name
2100000	4	Unnamed Creek	Unnamed
2100800	1	Granite Lake	Granite Lake

Lab Account Codes

Account Code	Description	Start Date	End Date
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Forms

Form Code	Form Name
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Methods

Method Code	Method Description
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Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
5/13/2008 13:55	COMPLETE	INL#1	10022924	Unnamed Granite Lake Inlet Stream 200 Yds. Above Granite Lake
6/12/2008 15:00	COMPLETE	INL#1	10022924	Unnamed Granite Lake Inlet Stream 200 Yds. Above Granite Lake
8/13/2008 16:00	COMPLETE	INL#1	10022924	Unnamed Granite Lake Inlet Stream 200 Yds. Above Granite Lake

Documents

Title	Description	Author	Published	Comments
Results of Sediment Core Taken from Granite Lake, Barron County, Wisconsin	On 29 July 2008 a sediment core were taken in Granite Lake using a gravity corer. Granite Lake has experienced a moderate increase in nutrients which has resulted in a decline in water clarity as algal growth has increased. In addition to the increased nutrients, there appear to be more submerged aquatic plants at the present time. These changes are common in lakes like Granite Lake that have shoreline development as well as some agriculture in their watershed.	Paul Garrison, Wisconsin Dnr	11/30/2008	
The Story of Granite Lake		Pam Toshner, Wisconsin Dnr	11/19/2009	

Budget

Combined Budgets:

Combined WSLH:

Combined Total: \$0.00

Funding

Organization	Source	Type	Amount	Start Date	End Date
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