

## Wisconsin Department of Natural Resources SWIMS Project Summary

### General Project Information

**Project ID:** LPL-752-01

**Name:** LONG LAKE ADVANCEMENT ASSOCIATION: Long Lake Water Quality Study

**Type:** Lakes Grant

**Subtype:** Large Scale Lake Planning

**Status:** COMPLETE

**Start Date:** 6/23/2001

**End Date:** 12/31/2003

**Purpose:** The Long Lake Association proposes to conduct a water quality analysis study on Long Lake. The project will consist of collecting water samples at six different times from two locations near the inlet and outlet of the lake; and collecting samples from two locations in the water column, one meter off the bottom and one meter from the surface. A watershed evaluation will be done to include delineation of the watershed boundary, determination and mapping of land uses, and an estimation of the annual Phosphorus load based on land uses using runoff coefficients. The dam will be evaluated for its current use and operation, with alternatives evaluated to provide a variable water level and associated cost estimates; potential impact on fish habitat and spawning will be evaluated. A report will be prepared which will present the results and analysis of the data collected. The existing water quality and trophic status will be described, the watershed will be evaluated and nutrient loads identified from the potential sources. The existing dam will be described and water levels on the fishery will be presented. Conclusions and recommendations based on the data collected will also be included in the report. An electronic copy and a paper copy of this Final Report will be submitted to the DNR and Lake Association members; results of this report will be presented to the Association at its annual meeting and report progress in Association newsletters.

**Objective:**

**Comments:**

**Outcome:**

**Study Design:**

**QA Measures:**

### People

Name	Role	Status	Start Date	End Date	Organization	Comments
Long Lake Advancement Associat	GRANT_RECIPIENT	ACTIVE	6/23/2001	12/31/2003	Long Lake Advancement Association	

### Project Statuses

Date	Reported By	Status	Comments
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### Actions

## Wisconsin Department of Natural Resources SWIMS Project Summary

Action	Detailed Description	Start Date	End Date	Status
Grant Awarded	The Long Lake Association proposes to conduct a water quality analysis study on Long Lake. The project will consist of collecting water samples at six different times from two locations near the inlet and outlet of the lake; and collecting samples from two locations in the water column, one meter off the bottom and one meter from the surface. A watershed evaluation will be done to include delineation of the watershed boundary, determination and mapping of land uses, and an estimation of the annual Phosphorus load based on land uses using runoff coefficients. The dam will be evaluated for its current use and operation, with alternatives evaluated to provide a variable water level and associated cost estimates; potential impact on fish habitat and spawning will be evaluated. A report will be prepared which will present the results and analysis of the data collected. The existing water quality and trophic status will be described, the watershed will be evaluated and nutrient loads identified from the potential sources. The existing dam will be described and water levels on the fishery will be presented. Conclusions and recommendations based on the data collected will also be included in the report.	6/23/2001		COMPLETE
Watershed Mapping or Assessment		6/23/2001	12/31/2003	PROPOSED
Monitor Water Quality or Sediment		6/23/2001	12/31/2003	PROPOSED
Watershed Mapping or Assessment		6/23/2001	12/31/2003	PROPOSED

### Monitoring Stations

Station ID	Name	Comments
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### Assessment Units

WBIC	Segment	Local Name	Official Name
77500	1	Long Lake (Big Long)	Long 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
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**Wisconsin Department of Natural Resources  
SWIMS Project Summary****Documents**

<b>Title</b>	<b>Description</b>	<b>Author</b>	<b>Published</b>	<b>Comments</b>
LONG LAKE WATER QUALITY STUDY	Lakes Planning Report	Grant Recipient	12/31/2003	

**Budget****Combined Budgets:****Combined WSLH:****Combined Total:** \$0.00**Funding**

<b>Organization</b>	<b>Source</b>	<b>Type</b>	<b>Amount</b>	<b>Start Date</b>	<b>End Date</b>
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