

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: 06/23/2001
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 Ass	GRANT_RECIP	ACTIVE	06/23/2001	12/31/2003	Long Lake Advancement Association	

Project Statuses

Date	Reported By	Status	Comments
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Actions

Action	Detailed Description	Start	End Date	Status
Watershed Mapping or Assessment		06/23/2001	12/31/2003	PROPOSED

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Action	Detailed Description	Start	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.	06/23/2001		COMPLETE
Monitor Water Quality or Sediment		06/23/2001	12/31/2003	PROPOSED
Watershed Mapping or Assessment		06/23/2001	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	Description
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Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
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Documents

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

Budget

Combined Budgets:
Combined SLOH:
Combined Total:

Funding

Organization	Source	Type	Amount	Start Date	End Date
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