

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: LPL-839-03

Name: MUNGER BEAR LAKE DISTRICT: Bear Lake Comp Lk Management Plan

Type: Lakes Grant

Subtype: Large Scale Lake Planning

Status: COMPLETE

Start Date: 10/1/2002

End Date: 6/30/2005

Purpose: The Munger Bear Lake District proposes to conduct a project on Bear Lake that will involve developing a Comprehensive Lake Management Plan aimed to assess the current conditions and processes with the lake and its watershed and develop feasible alternatives to protect the lake as a natural and important ecosystem. The goal of the management plan would be to protect and enhance the lake and its watershed in an effort to maintain or improve the trophic status of the lake. An important aspect of the project will be educating the people who live around and use the lake. The project will also include assessing the watershed land use and using the WILMS model and other information to partition watershed phosphorus loading. A GIS map will be generated to show various land uses and environmentally sensitive areas. Water quality information will be gathered to develop TSI values along with being used with the Wisconsin Internal Load Estimator and WILMS to determine internal loading estimates and help determine response and sensitivity to watershed phosphorus loadings. An aquatic plant survey will be done and the community will be mapped transferred onto a digital map with lake depth contours. Also sensitive areas of particular importance would be identified. The project deliverables would be a single report (for Bear and Munger Lakes) and management plan presenting the results of the project tasks along with management, protection and enhancement alternatives and recommendations along with public education issues and possible opportunities for shoreland buffer restorations. An implementation schedule would also be included for each of the lakes's specific needs. Recommendations for remedial actions and further study options(if needed) would be included for the lake and its drainage basin including possible funding sources. Three hard copies and one electronic copy (PDF) would be made available to the Wisconsin DNR.

Objective:**Comments:** Grantee is MUNGER BEAR LAKE DISTRICT**Outcome:****Study Design:****QA Measures:**

People

Name	Role	Status	Start Date	End Date	Organization	Comments
Munger and Bear Lakes District	GRANT_RECIPIENT	ACTIVE	10/1/2002	6/30/2005	Munger and Bear Lakes District	

Project Statuses

Date	Reported By	Status	Comments
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Actions

Action	Detailed Description	Start Date	End Date	Status
Lake Management Plan Development	10100339	10/1/2002		PROPOSED

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Grant Awarded	<p>The Munger Bear Lake District proposes to conduct a project on Bear Lake that will involve developing a Comprehensive Lake Management Plan aimed to assess the current conditions and processes with the lake and its watershed and develop feasible alternatives to protect the lake as a natural and important ecosystem. The goal of the management plan would be to protect and enhance the lake and its watershed in an effort to maintain or improve the trophic status of the lake. An important aspect of the project will be educating the people who live around and use the lake. The project will also include assessing the watershed land use and using the WILMS model and other information to partition watershed phosphorus loading. A GIS map will be generated to show various land uses and environmentally sensitive areas. Water quality information will be gathered to develop TSI values along with being used with the Wisconsin Internal Load Estimator and WILMS to determine internal loading estimates and help determine response and sensitivity to watershed phosphorus loadings. An aquatic plant survey will be done and the community will be mapped transferred onto a digital map with lake depth contours. Also sensitive areas of particular importance would be identified. The project deliverables would be a single report (for Bear and Munger Lakes) and management plan presenting the results of the project tasks along with management, protection and enhancement alternatives and recommendations along with public education issues and possible opportunities for shoreland buffer restorations. An implementation schedule would also be included for each of the lakes's specific needs. Recommendations for remedial actions and further study options(if needed) would be included for the lake and its drainage basin including possible funding sources. Three hard copies and one electronic copy (PDF) would be made available to the Wisconsin DNR.</p>	10/1/2002		COMPLETE
Water Quality Modeling	10100339	10/1/2002		PROPOSED

Monitoring Stations

Station ID	Name	Comments
433372	Bear Lake - Deep Hole	
433079	Munger Lake - Deep Hole	

Assessment Units

WBIC	Segment	Local Name	Official Name
470900	1	Munger Lake	Munger Lake
471200	1	Bear Lake	Bear Lake

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5524988	1	Local Water	Unnamed
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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
3/18/2003 8:35	COMPLETE	MUNB	433079	Munger Lake - Deep Hole
3/18/2003 15:00	COMPLETE	BEARS	433372	Bear Lake - Deep Hole
4/24/2003 10:15	COMPLETE	BEARS	433372	Bear Lake - Deep Hole
6/18/2003 10:45	COMPLETE	BEARB	433372	Bear Lake - Deep Hole
7/16/2003 13:00	COMPLETE	BEARB	433372	Bear Lake - Deep Hole
7/16/2003 13:50	COMPLETE	BEARS	433372	Bear Lake - Deep Hole
8/14/2003 8:41	COMPLETE	BEARB	433372	Bear Lake - Deep Hole
10/30/2003	COMPLETE	BEARB	433372	Bear Lake - Deep Hole

Documents

Title	Description	Author	Published	Comments
BEAR LAKE COMP LK MANAGEMENT PLAN	Lakes Planning Report	Grant Recipient	6/30/2005	

Budget

Combined Budgets:

Combined WSLH:

Combined Total: \$0.00

Funding

Organization	Source	Type	Amount	Start Date	End Date
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