

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: LPL-039 (4009-1)
Name: ENGLISH LAKE MANAGEMENT DISTRICT: English Lake Management Plan
Type: Lakes Grant
Subtype: Large Scale Lake Planning
Status: COMPLETE
Start Date: 04/01/1991
End Date: 06/30/1993
Purpose: REVIEW EXISTING DATA ON LAKE TO DEFINE DATA GAPS. INITIATE PUBLIC INVOLVEMENT/INFORMATION PROGRAM. WATER QUALITY MONITORING. TWO SAMPLES OF AGRICULTURAL DRAIN TILE DISCHARGES TO BE ANALYZED. MACROPHYTE SURVEY. BASE MAP OF LAKE AND WATERSHED WILL BE PREPARED. DRAFT AND FINAL LAKE MANAGEMENT PLAN.
Objective:
Comments: Grantee is ENGLISH LAKE MANAGEMENT DISTRICT
Outcome:
Study Design:
QA Measures:

People

Name	Role	Status	Start Date	End Date	Organization	Comments
English Lake P & R District,	GRANT_RECIP	ACTIVE	04/01/1991	06/30/1993	English Lake P & R District	

Project Statuses

Date	Reported By	Status	Comments
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Actions

Action	Detailed Description	Start	End Date	Status
Grant Awarded	Review existing data on lake to define data gaps. Initiate public involvement/information program. Water quality discharges to be analyzed. Macrophyte survey. Base map of lake and watershed will be prepared. Draft and final lake management plan.	04/01/1991		COMPLETE
Data analysis, report production		04/01/1991		PROPOSED
Watershed Mapping or Assessment		04/01/1991	06/30/1993	PROPOSED
Aquatic Plant Monitoring or Survey	10099757	04/01/1991		PROPOSED
Lake Management Plan Development		04/01/1991	06/30/1993	PROPOSED
Monitor Water Quality or Sediment	10099757	04/01/1991		PROPOSED

Monitoring Stations

Station ID	Name	Comments
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Assessment Units

WBIC	Segment	Local Name	Official Name
68000	1	Unnamed Trib (T18n, R23e, S07)	Unnamed
68100	1	English Lake	English Lake

Lab Account Codes

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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
Phase I - Lake Management Plan - English Lake - Manitowoc County, Wisconsin	<p>English Lake is a small, relatively deep, fertile lake located six miles southwest of the City of Manitowoc in Manitowoc County, Wisconsin. The lake receives overland runoff and drainage tile inputs from a predominantly agricultural watershed, with fertile loamy soils, and exhibits yearly and seasonal. algal blooms. Water quality, when rated according to Trophic State Index, was mesotrophic to eutrophic for total phosphorus and chlorophyll a, and oligotrophic to eutrophic for Secchi depth. English Lake, however, has a very narrow littoral zone which limits the amount of rooted aquatic plants (macrophytes) and allows nutrients to be available for algal growth. Filamentous algae and water celery were most abundant; a relatively low number of species was noted on the mainly sandy substrates.</p> <p>Summer surface total phosphorus in English Lake was lower than expected in 1991-1992. Lowest surface total phosphorous readings were observed during summer months and may be the result of lower runoff, algal binding of nutrients and/or stratification. Management objectives should target continued monitoring, better definition and reduction of surface runoff (where possible and practical), riparian education/awareness of land use practice effects on water quality and potential use conflicts:</p> <ul style="list-style-type: none"> - Water quality monitoring, including regular, event, Secchi and rainfall data, should be continued to track trends. - Many riparian lots on English Lake are located on a steep slope and provide the only buffer strip between the lake and the agricultural watershed. Some runoff is directed to the lake via underground tile systems, but buffer stripping, contour sloping, fertilizer 	IPS Environmental and Analytical Services, Appleton, Wisconsin	11/30/1992	

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	<p>management and other common sense practices should be implemented to slow overland runoff and eliminate its potentially harmful effects. - Agricultural land owners in the English Lake watershed should implement Best Management Practices (BMPs) where practical and take advantage of cost-share funding where available. Consideration may specifically be given to eliminating winter manure spreading, planting sod waterways, controlling barnyard runoff and crop rotation conservation. The feasibility of redirecting drain tiles should be examined. - Distribution of a recreational use survey may help to solicit opinions and attitudes to guide management.</p>			

Budget

Combined Budgets:
 Combined SLOH:
 Combined Total:

Funding

Organization	Source	Type	Amount	Start Date	End Date
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