

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: LPL-006 (4006-01)

Name: WHITE LAKE PRESERVATION ASSOCIATION: White Lake & Watershed Data Collection, Water Qual Sampling

Type: Lakes Grant

Subtype: Large Scale Lake Planning

Status: COMPLETE

Start Date: 12/20/1990

End Date: 11/15/1992

Purpose: Assemble and review existing data on the lake and watershed. Define data gaps from above information and gather additional data to include: a) water quality sampling at 2 sites for all or some of the parameters in table 1 of the application, water quality analysis to be performed by the State Lab of Hygiene, b) cored sediment sample to be analyzed for % organics, total solids, total-P, ammonia N, Kjeldahl N. Develop and implement public involvement program. Prepare land use map for lake and watershed. Identify and evaluate existing ordinances related to nonpoint source pollution control. Develop draft report for public review and comment. Information will be disseminated through newsletter mailings, public meetings, summary report mailings, local newspaper articles, and a comprehensive management plan. Project results will be reposted at UW-Extension, Waupaca County Courthouse and Royalton Town Hall.

Objective:

Comments: Grantee is WHITE LAKE PRESERVATION ASSOCIATION

Outcome:

Study Design:

QA Measures:

People

Name	Role	Status	Start Date	End Date	Organization	Comments
White Lake Preservation Associ	GRANT_RECIPIENT	ACTIVE	12/20/1990	11/15/1992	White Lake Preservation Association	

Project Statuses

Date	Reported By	Status	Comments
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Actions

Action	Detailed Description	Start Date	End Date	Status
Watershed Mapping or Assessment		12/20/1990	11/15/1992	PROPOSED
Monitor Paleocore		12/20/1990	11/15/1992	PROPOSED
Lake Management Plan Development		12/20/1990	11/15/1992	PROPOSED

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Grant Awarded	Assemble and review existing data on the lake and watershed. Define data gaps from above information and gather additional data to include: a) water quality sampling at 2 sites for all or some of the parameters in table 1 of the application, water quality analysis to be performed by the State Lab of Hygiene, b) cored sediment sample to be analyzed for % organics, total solids, total-P, ammonia N, Kjeldahl N. Develop and implement public involvement program. Prepare land use map for lake and watershed. Identify and evaluate existing ordinances related to nonpoint source pollution control. Develop draft report for public review and comment. Information will be disseminated through newsletter mailings, public meetings, summary report mailings, local newspaper articles, and a comprehensive management plan. Project results will be reposted at UW-Extension, Waupaca County Courthouse and Royalton Town Hall.	12/20/1990		COMPLETE
Data analysis, report production	10100598	12/20/1990		PROPOSED
Monitor Water Quality or Sediment	10100598	12/20/1990		PROPOSED

Monitoring Stations

Station ID	Name	Comments
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Assessment Units

WBIC	Segment	Local Name	Official Name
272900	1	White Lake	White 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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Documents

Title	Description	Author	Published	Comments
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<p>Lake Management Plan - White Lake - Waupaca County, Wisconsin</p>	<p>White Lake, Waupaca County, Wisconsin, is a shallow relatively large groundwater drainage lake which despite its location in a primarily agricultural watershed, retains good water quality with respect to all parameters measured including transparency and water column nutrient content. These same qualities, however, provide excellent habitat for aquatic macrophyte growth. Macrophyte growth in White Lake currently occurs at nuisance levels during the open water season and causes, even with aeration, dissolved oxygen depletion over much of the lake during decomposition under ice in winter. White Lake, even if subjected to costly and drastic habitat alteration (e.g. extensive dredging), will likely continue to be a very productive habitat for aquatic macrophytes. Riparian landowner diligence with respect to land use/care and septic tank maintenance should be emphasized to maintain water quality. This and physical or mechanical control of macrophytes, to best provide a recreationally usable and aesthetic resource, are recommended as realistic and achievable management objectives.</p> <p>Water quality maintenance recommendations are common sense approaches aimed at control of nutrient and sediment inputs. Macrophyte control methods will eventually have to be intense and widespread, but must be designed to 1) minimize dispersal of current (bushy pondweed) and potential (Eurasian Milfoil) nuisance species and 2) maximize retrieval efficiency of cut organic debris. A seasonal and localized harvest strategy is recommended for the near term. "Demonstration plots", with implications for a combination of control techniques, are recommended to evaluate and ultimately select cost-effective long term management that would minimize potential complications related to dispersal, succession, and higher competitiveness of nuisance species.</p>	<p>IPS Environmental and Analytical Services</p>	<p>12/31/1991</p>	
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Budget

Combined Budgets:

Combined WSLH:

Combined Total: \$0.00

Funding

Organization	Source	Type	Amount	Start Date	End Date
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