

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: LPL-934-04

Name: LIMNOLOGICAL INSTITUTE: Little Blake Aquatic Plant & Invertebrate Monitoring Project

Type: Lakes Grant

Subtype: Large Scale Lake Planning

Status: UNFUNDED

Start Date: 4/1/2004

End Date: 6/30/2006

Purpose: The Limnological Institute will assess and characterize the current aquatic plant community structure, littoral aquatic macroinvertebrate community structure, and shoreline land use for Little Blake Lake in Polk County. An aquatic plant management plan will be developed including a comprehensive management strategy focusing on the control and prevention of exotic plants and enhancing the native plant community. All aquatic plant transect data including reporting the Relative Abundance & Frequency of Occurrence and other basic statistics including the Floristic Quality Index, will be summarized and reported in table format in the final report.

Aquatic macroinvertebrate monitoring will be conducted twice in 2004 to assess possible impacts of monotypic aquatic plant beds on the density and diversity of aquatic insects. The macroinvertebrate community structure for all samples shall be broken down to Lowest Practical Taxonomic Unit LPTU using Hilsenhoff's most current taxonomic key for each habitat type (treated vs. untreated for the following: high density crispus beds, mixed beds, and native beds). A unit independent measure of the variability of samples coming from each specific habitat type (six in all) using the coefficient of variation reported in table format shall also be provided.

The methodology for the shoreline/riparian zone survey shall be submitted to Jim Cahow, by June 15, 2004 and summarized in the project final report. Recommendations on how to decrease negative impacts from existing shoreland management will be made to the Lake District and property owners. Shoreline restoration goals will be established, impacted shoreland areas contributing nonpoint source pollution will be prioritized and exotic species will be mapped.

Objective:**Comments:** Grantee is LIMNOLOGICAL INSTITUTE**Outcome:****Study Design:****QA Measures:**

People

Name	Role	Status	Start Date	End Date	Organization	Comments
Limnological Institute,	GRANT_RECIPIENT	ACTIVE	4/1/2004	6/30/2006	Limnological Institute	

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	<p>The Limnological Institute will assess and characterize the current aquatic plant community structure, littoral aquatic macroinvertebrate community structure, and shoreline land use for Little Blake Lake in Polk County. An aquatic plant management plan will be developed including a comprehensive management strategy focusing on the control and prevention of exotic plants and enhancing the native plant community. All aquatic plant transect data including reporting the Relative Abundance & Frequency of Occurrence and other basic statistics including the Floristic Quality Index, will be summarized and reported in table format in the final report.</p> <p>Aquatic macroinvertebrate monitoring will be conducted twice in 2004 to assess possible impacts of monotypic aquatic plant beds on the density and diversity of aquatic insects. The macroinvertebrate community structure for all samples shall be broken down to Lowest Paractical Taxonomic Unit LPTU using Hilsenhoff's most current taxonomic key for each habitat type (treated vs. untreated for the following: high density crispus beds, mixed beds, and native beds). A unit independent measure of the variability of samples coming from each specific habitat type (six in all) using the coefficient of variation reported in table format shall also be provided.</p> <p>The methodology for the shoreline/riparian zone survey shall be submitted to Jim Cahow, by June 15, 2004 and summarized in the project final report. Recommendations on how to decrease negative impacts from existing shoreland management will be made to the Lake District and property owners. Shoreline restoration goals will be established, impacted shoreland areas contributing nonpoint source pollution will be prioritized and exotic species will be mapped.</p>	4/1/2004		COMPLETE
Aquatic Plant Management Plan	10100414	4/1/2004		PROPOSED

Monitoring Stations

Station ID	Name	Comments
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Assessment Units

WBIC	Segment	Local Name	Official Name
2626900	3	Straight River	Straight River
2627300	1	Little Blake Lake	Little Blake Lake

Lab Account Codes

Account Code	Description	Start Date	End Date
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Wisconsin Department of Natural Resources SWIMS Project Summary

Forms

Form Code	Form Name

Methods

Method Code	Method Description

Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name

Documents

Title	Description	Author	Published	Comments
2004 Little Blake Lake Aquatic Plant Management Plan	Little Blake Lake Aquatic Plant Management Plan	Aquatic Engineering	1/31/2007	
Little Blake Lake Water Quality Monitoring Technical Report		Aquatic Engineering	1/31/2007	

Budget

Combined Budgets:

Combined WSLH:

Combined Total: \$0.00

Funding

Organization	Source	Type	Amount	Start Date	End Date