

Wisconsin Department of Natural Resources
SWIMS Project Summary

General Project Information

Project ID: LPL-1095-06

Name: RIDGES SANCTUARY INC: Clark Lake Water Quality, Biotic Evaluation & Strategic Plan Study Ph 6

Type: Lakes Grant

Subtype: Large Scale Lake Planning

Status: COMPLETE

Start Date: 4/1/2006

End Date: 12/31/2007

Purpose: The Ridges Sanctuary in cooperation with the Clark Lake Association proposes to conduct water quality and biotic evaluation and strategic planning in the Clark Lake watershed in Door County. The project elements and deliverables are specified in the grant application materials submitted January 30, 2006. Phase 6 of the study will include aquatic macrophyte survey, sensitive area survey and mapping, and faculty, staff, and student assistance associated with overall study.

If consultant is to provide the final report, it is recommended the Grantee provide the DNR Lakes Coordinator with a draft for comment on report adequacy prior to making final payment to the consultant. DNR to receive both paper and electronic .pdf copies of the final report along with, or prior to, submission of grantee's final payment request.

Objective:

Comments: Grantee is RIDGES SANCTUARY INC

Outcome:

Study Design:

QA Measures:

People						
Name	Role	Status	Start Date	End Date	Organization	Comments
The Ridges Sanctuary,	GRANT_RECIPIENT	ACTIVE	4/1/2006	12/31/2007	The Ridges Sanctuary	

Project Statuses

Date	Reported By	Status	Comments
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Actions

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Action	Detailed Description	Start Date	End Date	Status
Grant Awarded	<p>The Ridges Sanctuary in cooperation with the Clark Lake Association proposes to conduct water quality and biotic evaluation and strategic planning in the Clark Lake watershed in Door County. The project elements and deliverables are specified in the grant application materials submitted January 30, 2006. Phase 6 of the study will include aquatic macrophyte survey, sensitive area survey and mapping, and faculty, staff, and student assistance associated with overall study.</p> <p>If consultant is to provide the final report, it is recommended the Grantee provide the DNR Lakes Coordinator with a draft for comment on report adequacy prior to making final payment to the consultant. DNR to receive both paper and electronic .pdf copies of the final report along with, or prior to, submission of grantee's final payment request.</p>	4/1/2006		COMPLETE
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Watershed Mapping or Assessment		4/1/2006	12/31/2007	PROPOSED
Monitor Water Quality or Sediment		4/1/2006	12/31/2007	PROPOSED

Monitoring Stations

Station ID	Name	Comments
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Assessment Units

WBIC	Segment	Local Name	Official Name
97700	1	Clark Lake	Clark Lake

Lab Account Codes

Account Code	Description	Start Date	End Date
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Forms

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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
2005 Biological Water Quality Assessment of Logan Creek, Door Co., WI	Macroinvertebrate bioassessment samples were collected from Logan Creek, Door County, Wisconsin on May 15 and October 12, 2005 by Dr. Stanley W. Szczytko and Jeffrey Dimick from the University of Wisconsin/Stevens Point. An attempt was made to sample Logan Creek from near the headwaters at Lost Lake to near the outlet at Clark Lake. Sites were selected using criteria established by Hilsenhoff (1987) and used routinely by the Wisconsin Dept. of Natural Resources for rapid macroinvertebrate bioassessment sampling.	Stanley W. Szczytko & Jeffrey J. Dimick	12/2/2005	
2006 Summary and Comparisons of Clark Lake - Door County Aquatic Macrophyte Community Surveys	The aquatic macrophyte community of Clark Lake is characterized by good species diversity, good quality, and abundant frequency of plants and low density of growth. In 2006 a total of 60 species of aquatic plants were identified in Clark Lake and upstream Logan Creek to Highway 57 (Appendix 1). Not all species were present in line/transect sample sites but are included and noted as existing in Clark Lake.	Darrin Hoverson and Nancy Turyk	11/1/2006	
Clark Lake Shore [Photo]	Image of green water and undeveloped shore area on Clark Lake.			
Clark Lake Swamp in Ridges East Tributary [Photo]	Images of sensitive area in Clark Lake Swamp in Ridges East Tributary		5/22/2006	
Clark Lake Watershed, Door County Wisconsin - Sensitive Area Report	All of the areas around Clark Lake that are identified in this document play a role in supporting the lakes ecosystem. However, in addition to taking action to protect these areas efforts should be made to improve conditions in the riparian area of the lake. As a first step riparian land use around the lake should be consistent with the rules in the county zoning ordinance.	Darrin Hoverson and Nancy Turyk	11/1/2006	

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Clark Lake, Abundant Water Cress [Photo]	Image of abundant amount of water cress in Clark Lake.			
Clark Lake, Door County Wisconsin - Bulrush Mapping and Density	The purpose of this study was to determine the density and areal extent of bulrush (<i>Schoenoplectus acutus</i>) beds in Clark Lake. The data may serve as a baseline which can be used to determine the extent of future changes in density and area of bulrush beds. The methods used to determine bulrush density are intended to be easily transferable to Lake Association volunteers to be performed in future years.	Justin Barrick and Ronald Crunkilton	1/1/2007	
Delineation of Area Contributing to Clark Lakes Water - Door County, WI	Clark Lake receives water from precipitation on the lake, runoff directly into the lake, groundwater discharging to the lake, and water flowing from Logan Creek. It is important to know the land area that contributes this water to evaluate the impact of future land management changes. In this report, the delineation of a contributing area for Clark Lake is described.	Paul McGinley and Darrin Hoverson	11/1/2006	
Lake and Watershed Assessment - Clark Lake, Wisconsin [Presentation]	Presentation by the Center for Watershed Science and Education at the University of Wisconsin-Stevens Point about the studies that are contributing to the strategic plan for Clark Lake. Lists recommended actions that were brought up through the multiple studies done.	Center for Watershed Science and Education, University of Wisconsin-Stevens Point	4/1/2007	
Logan Creek Mouth Looking Toward Clark Lake [Photo]	Looking at the mouth of Logan Creek and Clark Lake from the creek.			
Lost Lake Management Area 1 West Side [Photo]	Image of the sensitive area on Lost Lake on the West side.			
Mouth of Logan Creek at Clark Lake [Photo]	Looking at the mouth of Logan Creek from Clark Lake.			

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Water Quality and Bulrush Evaluation in Clark Lake, Door County, Wisconsin Final Report	Clark Lake and its watershed are located in the Door County towns of Jacksonport, Sevastopol and Egg Harbor. The recent history of declining bulrush beds and other aquatic vegetation coupled with less successful fishing and more boating traffic led many lake residents to push for a comprehensive study of the lake conducted by UW Stevens Point Center for Watershed Science and Education (CWSE) in partnership with Clark Lake Association (CLA), Wisconsin Department of Natural Resources (DNR), Door County and The Ridges Conservancy.	J. Barrick, D. Hoverson, P. McGinley, N. Turyk	5/1/2007	
Waves, Wind, Watercraft, and Water Clarity - A Study of Sediment Resuspension in Clark Lake	This study combined boating experiments and continuous turbidity measurements with applied wave theory and sediment analysis to evaluate the mechanisms contributing to the resuspension of sediment in Clark Lake in Door County.	Darrin Hoverson and Paul McGinley	4/1/2007	

Budget

Combined Budgets:
Combined WSLH:
Combined Total:

\$0.00

Funding

Organization	Source	Type	Amount	Start Date	End Date
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