

## Wisconsin Department of Natural Resources SWIMS Project Summary

### General Project Information

**Project ID:** LPL-1007-05  
**Name:** RIDGES SANCTUARY INC: Clark Lake Water Quality, Biotic Eval & Strategic Plan Study Phase 1  
**Type:** Lakes Grant  
**Subtype:** Large Scale Lake Planning  
**Status:** COMPLETE  
**Start Date:** 04/01/2005  
**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, 2005. Phase 1 of the study will include lake and river water quality sampling, stream flow measurements, macroinvertebrate sampling, coordinator, and faculty associated with overall study, macroinvertebrate and fishery study components.  
**Objective:**  
**Comments:**  
**Outcome:**  
**Study Design:**  
**QA Measures:**

### People

Name	Role	Status	Start Date	End Date	Organization	Comments
The Ridges Sanctuary,	GRANT_RECIPII	ACTIVE	04/01/2005	12/31/2007	The Ridges Sanctuary	

### Project Statuses

Date	Reported By	Status	Comments
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### Actions

Action	Detailed Description	Start	End Date	Status
Grant Awarded	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, 2005. Phase 1 of the study will include lake and river water quality sampling, stream flow measurements, macroinvertebrate sampling, coordinator, and faculty associated with overall study, macroinvertebrate and fishery study components.	04/01/2005		COMPLETE
Monitor Water Quality or Sediment		04/01/2005	12/31/2007	PROPOSED
Watershed Mapping or Assessment		04/01/2005	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

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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	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
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	12/02/2005	
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	11/01/2006	
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 lake's 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	11/01/2006	
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> )	Justin Barrick and Ronald Crunkilton	01/01/2007	

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Title	Description	Author	Published	Comments
Delineation of Area Contributing to Clark Lake's Water - Door County, WI	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. 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	11/01/2006	
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	04/01/2007	
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	05/01/2007	
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	04/01/2007	

### Budget

**Combined Budgets:**

**Combined SLOH:**

**Combined Total:**

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**Funding**

Organization	Source	Type	Amount	Start Date	End Date
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