

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: LPL-1135-07

Name: TOWN OF PRESQUE ISLE: Crab Lake Limnological Baseline Study & APM Plan

Type: Lakes Grant

Subtype: Large Scale Lake Planning

Status: COMPLETE

Start Date: 10/1/2006

End Date: 12/31/2012

Purpose: The Town of Presque Isle is sponsoring a large scale lake planning grant to study Crab Lake in Vilas County with a study completion date of June 30, 2008. The Crab Lake Property Owners Association is a project partner. The project will focus on developing an Aquatic Plant Management (APM) Plan.

Project activities include:

- 1) Data review and project kick-off meeting, one site visit to discuss goals, and project final meeting
- 2) Develop public questionnaire and prepare educational article
- 3) Point-intercept (PI) survey of aquatic plants with 2 sets of pressed plants
- 4) Aquatic plant community mapping and analysis
- 5) Water quality sampling - secchi, DO, P, and Chla through citizen lake monitor and Temp during aquatic plant sampling
- 6) Watershed and land use analysis
- 7) Develop APM Plan

Project deliverables include:

- 1) Public questionnaire and educational article
- 2) PI data and aquatic plant community and watershed maps
- 3) 2 sets of pressed aquatic plants (one set for lake group and second for Dept)
- 4) Water quality sampling results
- 5) APM Plan

Specific conditions for this project:

- Draft of public questionnaire should be submitted to Lakes Management Coordinator for review before sending to public
- APM Plan needs Dept review and approval

WDNR Lakes Management Coordinator will be provided with an electronic (pdf or word) and hard copy of APM Plan, educational article, public questionnaire, data from watershed and land use analysis, data from PI survey, data from water quality sampling, all maps from project, and a set of pressed aquatic plants.

Objective:

Comments: Grantee is TOWN OF PRESQUE ISLE

Outcome:

Study Design:

QA Measures:

People

Name	Role	Status	Start Date	End Date	Organization	Comments
Town of Presque Isle,	GRANT_RECIP ENT	ACTIVE	10/1/2006	12/31/2012	Town of Presque Isle	

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 Town of Presque Isle is sponsoring a large scale lake planning grant to study Crab Lake in Vilas County with a study completion date of June 30, 2008. The Crab Lake Property Owners Association is a project partner. The project will focus on developing an Aquatic Plant Management (APM) Plan.</p> <p>Project activities include:</p> <ol style="list-style-type: none"> 1) Data review and project kick-off meeting, one site visit to discuss goals, and project final meeting 2) Develop public questionnaire and prepare educational article 3) Point-intercept (PI) survey of aquatic plants with 2 sets of pressed plants 4) Aquatic plant community mapping and analysis 5) Water quality sampling - secchi, DO, P, and Chla through citizen lake monitor and Temp during aquatic plant sampling 6) Watershed and land use analysis 7) Develop APM Plan. 	10/1/2006		COMPLETE
Comprehensive Planning Studies	14416812	10/1/2006		PROPOSED
Grant Awarded	<p>The Town of Presque Isle is sponsoring a large scale lake planning grant to study Crab Lake in Vilas County with a study completion date of June 30, 2008. The Crab Lake Property Owners Association is a project partner. The project will focus on developing an Aquatic Plant Management (APM) Plan.</p> <p>Project activities include:</p> <ol style="list-style-type: none"> 1) Data review and project kick-off meeting, one site visit to discuss goals, and project final meeting 2) Develop public questionnaire and prepare educational article 3) Point-intercept (PI) survey of aquatic plants with 2 sets of pressed plants 4) Aquatic plant community mapping and analysis 5) Water quality sampling - secchi, DO, P, and Chla through citizen lake monitor and Temp during aquatic plant sampling 6) Watershed and land use analysis 7) Develop APM Plan. 	10/1/2006	6/30/2011	COMPLETE

Monitoring Stations

Station ID	Name	Comments
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Assessment Units

WBIC	Segment	Local Name	Official Name
2952500	1	Crab Creek	Crab Creek
2953500	1	Crab Lake	Crab Lake
2953600	1	Lynx Creek	Lynx Creek

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Lab Account Codes			
Account Code	Description	Start Date	End Date
LM016	Lake Planning Lab Services	1/1/1960	12/31/2099
LM017	LAKE MANAGEMENT PLANNING GRANTS	1/1/1960	12/31/2099
LM018	LAKE MANAGEMENT PLANNING GRANTS	1/1/1960	12/31/2099

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
Aquatic Plant Survey - Crab Lake, Vilas County - 8/2/2007 - 8/4/2007			8/4/2007	

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Report - Aquatic Plant Management Plan - Crab Lake	<p>The Presque Isle Town Lakes Committee (PITLC) was formed in 2005 to address resource management concerns in lakes within the Town of Presque Isle. The Committee has been active in a number of lake management activities on Crab Lake including: aquatic plant management, water quality sampling, invasive species sampling, and community education activities. The Committee contracted Northern Environmental (now Bonestroo, Inc.) to help develop an aquatic plant management (APM) plan for Crab Lake. The Crab Lake APM Plan includes a review of available lake information, an aquatic plant survey, and an evaluation of feasible physical, mechanical, biological, and chemical management alternatives if deemed appropriate. The APM plan also recommends specific prevention activities for aquatic invasive species (AIS) in the lake system; which are discussed below. Northern Environmental completed an aquatic plant survey on Crab Lake in 2007, which identified twenty seven aquatic plant species. The most abundant aquatic plants identified during the survey were wild celery (<i>Vallisneria americana</i>), dwarf watermilfoil (<i>Myriophyllum tenellum</i>), and three equally abundant species creeping spikerush (<i>Eleocharis palustris</i>), large-leaf pondweed (<i>Potamogeton amplifolius</i>), and fern pondweed (<i>Potamogeton robbinsii</i>). A brief aquatic plant survey was also conducted on North Crab Lake identifying twenty seven aquatic plant species. The Floristic Quality Index (FQI) is an index that uses the aquatic plant community as an indicator of lake health. Crab Lake exhibited an FQI of 37.07, higher than the state northern ecoregion average (24.3). North Crab Lake exhibited and FQI of 34.1, also higher than the northern ecoregion average.</p>	Bonestroo	9/30/2011	
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Budget

7/5/2024

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Combined Budgets:

Combined WSLH:

Combined Total: \$0.00

Funding					
Organization	Source	Type	Amount	Start Date	End Date