

Wisconsin Department of Natural Resources
SWIMS Project Summary

General Project Information

Project ID: LPL-1151-07

Name: BIG CHETAC CHAIN LAKE ASSOCIATION: "Getting Rid of the Green" Project-Phase 2

Type: Lakes Grant

Subtype: Large Scale Lake Planning

Status: COMPLETE

Start Date: 4/1/2007

End Date: 12/31/2009

Purpose: Big Chetac Chain Lake Association is sponsoring a multi-phase comprehensive lake management planning project for Big Chetac Lake, Sawyer County. The project includes tributary, in-lake, and groundwater monitoring; septic survey; nutrient budget development; paleoecological core; aquatic plant survey and management plan; and community survey and education with a comprehensive lake management and implementation plan as the final deliverable.

Phase 2 includes:

1. Installation (two times) of fourteen mini-piezometers to determine direction and extent of groundwater movement. Those with positive heads will be sampled for nutrients.
2. Internal load calculations under various conditions (oxic/ambient pH, oxic/high pH, and anoxic) for cores collected at the three deep sites and one shallow site - to be completed by the Army Corps of Engineers ERDC Eau Galle Aquatic Ecology Laboratory staff.
3. GPS mapping and density estimates of curlyleaf pondweed beds for comparison to previous mapping/survey.

Army Corps of Engineers water quality staff is a project partner and will be contracted for all laboratory analyses. The Phase 2 deliverables are groundwater data collection spreadsheets/summaries, internal loading report describing sediment phosphorous release rates, and curlyleaf pondweed maps and density estimates.

Data, records, and reports, including GIS-based maps and digital images, must be submitted to the Department in a format specified by the regional Lake Coordinator.

Objective:

Comments: Grantee is BIG CHETAC CHAIN LAKE ASSOCIATION

Outcome:

Study Design:

QA Measures:

People						
Name	Role	Status	Start Date	End Date	Organization	Comments
Army Corps - Eau Galle Aquatic	TEAM_MEMBER	ACTIVE	4/1/2007	12/31/2009	Army Corps of Engineers ERDC Eau Galle Aquatic Ecology Laboratory	
Big Chetac And Birch Lakes Ass	GRANT_RECIPIENT	ACTIVE	4/1/2007	12/31/2009	Big Chetac And Birch Lakes Association	

Project Statuses

Date	Reported By	Status	Comments
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Actions

**Wisconsin Department of Natural Resources
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Action	Detailed Description	Start Date	End Date	Status
Grant Awarded	<p>Big Chetac Chain Lake Association is sponsoring a multi-phase comprehensive lake management planning project for Big Chetac Lake, Sawyer County. The project includes tributary, in-lake, and groundwater monitoring; septic survey; nutrient budget development; paleoecological core; aquatic plant survey and management plan; and community survey and education with a comprehensive lake management and implementation plan as the final deliverable.</p> <p>Phase 2 includes:</p> <ol style="list-style-type: none">1. Installation (two times) of fourteen mini-piezometers to determine direction and extent of groundwater movement. Those with positive heads will be sampled for nutrients.2. Internal load calculations under various conditions (oxic/ambient pH, oxic/high pH, and anoxic) for cores collected at the three deep sites and one shallow site - to be completed by the Army Corps of Engineers ERDC Eau Galle Aquatic Ecology Laboratory staff.3. GPS mapping and density estimates of curlyleaf pondweed beds for comparison to previous mapping/survey. <p>Army Corps of Engineers water quality staff is a project partner and will be contracted for all laboratory analyses. The Phase 2 deliverables are groundwater data collection spreadsheets/summaries, internal loading report describing sediment phosphorous release rates, and curlyleaf pondweed maps and density estimates.</p>	4/1/2007	12/31/2009	COMPLETE

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Grant Awarded	<p>Big Chetac Chain Lake Association is sponsoring a multi-phase comprehensive lake management planning project for Big Chetac Lake, Sawyer County. The project includes tributary, in-lake, and groundwater monitoring; septic survey; nutrient budget development; paleoecological core; aquatic plant survey and management plan; and community survey and education with a comprehensive lake management and implementation plan as the final deliverable.</p> <p>Phase 2 includes:</p> <ol style="list-style-type: none"> 1. Installation (two times) of fourteen mini-piezometers to determine direction and extent of groundwater movement. Those with positive heads will be sampled for nutrients. 2. Internal load calculations under various conditions (oxic/ambient pH, oxic/high pH, and anoxic) for cores collected at the three deep sites and one shallow site - to be completed by the Army Corps of Engineers ERDC Eau Galle Aquatic Ecology Laboratory staff. 3. GPS mapping and density estimates of curlyleaf pondweed beds for comparison to previous mapping/survey. <p>Army Corps of Engineers water quality staff is a project partner and will be contracted for all laboratory analyses. The Phase 2 deliverables are groundwater data collection spreadsheets/summaries, internal loading report describing sediment phosphorous release rates, and curlyleaf pondweed maps and density estimates.</p>	4/1/2007		COMPLETE
Lake Management Plan Development	18613658	4/1/2007		PROPOSED
Nutrient Budget Development	18613658	4/1/2007		PROPOSED

Monitoring Stations

Station ID	Name	Comments
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Assessment Units

WBIC	Segment	Local Name	Official Name
2113000	1	Birch Lake	Birch Lake
2113300	1	Lake Chetac	Lake Chetac
2113600	1	Malviney Creek	Malviney Creek
2113700	1	Knuteson Creek	Knuteson Creek
2115000	1	Heron Creek	Heron Creek
2116400	1	Benson Creek	Benson Creek

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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Budget

Combined Budgets:

Combined WSLH:

Combined Total: \$0.00

Funding

Organization	Source	Type	Amount	Start Date	End Date
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