

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: ACEI-008-06

Name: CITY OF EAU CLAIRE: Half-Moon Alum Research

Type: Aquatic Invasives Grant

Subtype: Aquatic Invasives Control

Status: COMPLETE

Start Date: 10/1/2005

End Date: 12/31/2008

Purpose: The City of Eau Claire proposes to contract with the Army Corps of Engineers to identify the optimal application strategy for an Alum treatment and to study the effectiveness of Lime applications in controlling aquatic weed growth in Half-Moon Lake in Eau Claire County. Major project elements to include: 1) Sediment core collection, 2) Core analysis and experimentation, 3) Test plot applications, 4) Water quality and aquatic plant sampling and analysis. 5) Recommendations and final report.

Objective:

Comments: Grantee is CITY OF EAU CLAIRE

Outcome:

Study Design:

QA Measures:

People

Name	Role	Status	Start Date	End Date	Organization	Comments
City of Eau Claire,	GRANT_RECIPIENT	COMPLETE	10/1/2005	12/31/2008	City of Eau Claire	

Project Statuses

Date	Reported By	Status	Comments
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Actions

Action	Detailed Description	Start Date	End Date	Status
Monitor Water Quality or Sediment	10101384	10/1/2005		PROPOSED
Diagnostic/Feasibility Assessment	10101384	10/1/2005		PROPOSED
Grant Awarded	ACEI-008-06	10/1/2005	12/31/2008	COMPLETE
Aquatic Plant Monitoring or Survey	10101384	10/1/2005		PROPOSED
Grant Awarded	ACEI-008-06Half-Moon Alum Research	10/1/2005		COMPLETE

Monitoring Stations

Station ID	Name	Comments
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Assessment Units

WBIC	Segment	Local Name	Official Name
2125400	1	Half Moon Lake	Halfmoon Lake

Lab Account Codes

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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
Changes in the Aquatic Plant Community of Halfmoon Lake 2008-2014	The aquatic plant community of a lake is full of complex interactions that contribute to the overall health of an aquatic ecosystem. Every level of the aquatic food chain from bacteria and invertebrates to fish and waterfowl are dependent upon aquatic plants to some degree for their survival (Engel, 1985; Wetzel, 2001). Photosynthesis and respiration are important in maintaining clear waters (Engel, 1990). Aquatic plants stabilize sediments and absorb wave action which in turn prevents turbidity caused by suspended sediments. Light penetration, excess nutrients from run-off, wave action and lake morphometry all affect the plant community of the littoral zone (Barko 1988; Duarte and Kalff, 1986). The importance of aquatic plants in an aquatic ecosystem creates the need to study the diversity, density and distribution of the aquatic plant community as well as an examination of the factors impacting the plant community.	Wisconsin Department of Natural Resources	2/1/2015	

Budget

Combined Budgets:

Combined WSLH:

Combined Total: \$0.00

Funding

Organization	Source	Type	Amount	Start Date	End Date
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8/28/2024

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