

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: SPL-226-10
Name: DANE COUNTY: Algae Boom Study- Dane Co
Type: Lakes Grant
Subtype: Small Scale Lake Planning
Status: COMPLETE
Start Date: 04/01/2010
End Date: 12/31/2012
Purpose: Dane County is investigating the utility of beach booms to improve water quality for swimmers at area beaches. The booms are intended to divert floating planktonic algae scums from the beach areas being tested. Since they received the initial grant ((SPL-226-10, \2010Algae Boom Study \2013 Dane County\2010D), the scope of this project has expanded, advancing the knowledge even further than originally intended, and they are working with many more partners. In 2010, Dane County partnered with City of Madison Engineering and Parks, DNR, and UW Limnology staff, and used county funds to purchase and install floating booms around the swim areas of Bernie\2019s and BB Clarke Beach to act as deflectors for floating weeds and algae scum. The first year was a success and the project was expanded to Brittingham Beach in 2011.

In 2011, the County Board allocated additional funding for beach deflector pilot projects, and those funds are being used in 2012 to support purchase and installation of an additional floating boom system at Warner Beach in the City of Madison, in order to keep algae scum and nuisance floating weeds away from the swim area. Dane County will apply the \$3000 grant (SPL-226-10) to the costs of purchasing this floating boom system for Warner Beach.

Part of the county funding in 2012 will support development of a detailed written report of the various deflector projects on different beaches and under different current situations, and associated City of Madison water quality testing. The written report will include a discussion of project results and their applicability to other areas, and recommendations about the need for funding and program continuation. This report, including beach and boom photos, will be provided to DNR and all project partners, and posted on Dane County and partner websites.

Objective:**Comments:** Grantee is DANE COUNTY**Outcome:****Study Design:****QA Measures:**

People

Name	Role	Status	Start Date	End Date	Organization	Comments
DANE COUNTY,	GRANT_RECIPII	ACTIVE	04/01/2010	12/31/2012	DANE COUNTY	

Project Statuses

Date	Reported By	Status	Comments
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Actions

Action	Detailed Description	Start	End Date	Status
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Action	Detailed Description	Start	End Date	Status
Grant Awarded	Dane County is investigating the utility of beach booms to improve water quality for swimmers at area beaches. The booms are intended to divert floating planktonic algae scums from the beach areas being tested. Since they received the initial grant ((SPL-226-10, \201CAlgae Boom Study \2013 Dane County\201D), the scope of this project has expanded, advancing the knowledge even further than originally intended, and they are working with many more partners. In 2010, Dane County partnered with City of Madison Engineering and Parks, DNR, and UW Limnology staff, and used county funds to purchase and install floating booms around the swim areas of Bernie\2019s and BB Clarke Beach to act as deflectors for floating weeds and algae scum.	04/01/2010	06/30/2011	COMPLETE
Grant Awarded	Dane County is investigating the utility of beach booms to improve water quality for swimmers at area beaches. The booms are intended to divert floating planktonic algae scums from the beach areas being tested. Since they received the initial grant ((SPL-226-10, \201CAlgae Boom Study \2013 Dane County\201D), the scope of this project has expanded, advancing the knowledge even further than originally intended, and they are working with many more partners. In 2010, Dane County partnered with City of Madison Engineering and Parks, DNR, and UW Limnology staff, and used county funds to purchase and install floating booms around the swim areas of Bernie\2019s and BB Clarke Beach to act as deflectors for floating weeds and algae scum.	04/01/2010	06/30/2011	COMPLETE
Diagnostic/Feasibility Assessment	34941894	04/01/2010		PROPOSED

Monitoring Stations

Station ID	Name	Comments
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Assessment Units

WBIC	Segment	Local Name	Official Name
798300	3	Yahara River	Yahara River
804600	1	Monona Lake	Lake Monona
804600	2	Brittingham Beach	Lake Monona
804600	3	Esther Park Beach	Lake Monona
804600	5	Hudson Park Beach	Lake Monona
804600	6	Bernies Beach	Lake Monona
804600	7	Olbrich Park Beach	Lake Monona
804600	9	BB Clark Beach, Monona Lake	Lake Monona
805400	1	Mendota Lake	Lake Mendota
805400	2	James Madison Park Beach	Lake Mendota
805400	3	Marshall Park Beach	Lake Mendota

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WBIC	Segment	Local Name	Official Name
805400	39	Spring Harbor Beach	Lake Mendota
805400	41	Memorial Union Pier Beach, Lake Mendota	Lake Mendota
805400	42	Tenny Park Beach, Lake Mendota	Lake Mendota
805400	43	Warner Park Beach, Lake Mendota	Lake Mendota

Lab Account Codes

Account Code	Description	Start Date	End Date
SL011	SMALL SCALE LAKE GRANTS	01/01/1960	12/31/2099
SL012	SMALL SCALE LAKE GRANTS	01/01/1960	12/31/2099

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
Madison Area Deflector Boom Evaluation Final Report 2013	"Floating booms to prevent blue-green algal scums and other floating debris from fouling Madison area swimming beaches: a pilot test" Final evaluation of Madison area deflector booms on algae, includes photos and diagrams	Richard C. Lathrop, John R. Reimer, Kirsti K. Sorsa, Genesis M. Steinhorst, Chin H. Wu	03/20/2013	

Budget

Combined Budgets:
 Combined SLOH:
 Combined Total:

Funding

Organization	Source	Type	Amount	Start Date	End Date
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