General Project Information

Project ID:	SPL-226-10
Name:	DANE COUNTY: Algae Boom Study- Dane Co
Гуре:	Lakes Grant
Subtype:	Small Scale Lake Planning
Status:	COMPLETE
Start Date:	4/1/2010
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 grar ((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 week

beach areas being tested. Since they received the initial grant 1D), the scope of this project has expanded, advancing the working with many more partners. In 2010, Dane County and UW Limnology staff, and used county funds to purchase 19s 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:

Grantee is DANE COUNTY **Comments:**

Outcome:

Study Design:

QA Measures:

People

Name Ro		Role	Sta	atus	Start Date End D		Organization		Comments
DANE COUNTY,		GRANT_RECI ENT	PI AC	TIVE	4/1/2010	12/31/2012	DANE COUNTY		
Project Statuses									
Date	Reported B	у У	Status			Comments	S		
Actions									
Action		Detailed Description				Start Date	End Date	Status	
Diagnostic/Feasibility Assessment		34941894				4/1/2010		PROPOSED	

Wisconsin Department of Natural Resources SWIMS Project Summary

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.	4/1/2010	6/30/2011	COMPLETE
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Monitoring Stations

Station ID	Name		Comments						
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						

Wisconsin Department of Natural Resources SWIMS Project Summary

Lab Account Code	s		
805400	43	Warner Park Beach, Lake Mendota	Lake Mendota
805400	42	Tenny Park Beach, Lake Mendota	Lake Mendota
805400	41	Memorial Union Pier Beach, Lake Mendota	Lake Mendota
805400	39	Spring Harbor Beach	Lake Mendota
805400	3	Marshall Park Beach	Lake Mendota

Account Code		Description								End Date
SL011 SMALL SCALE LAKE GRANTS									1/1/1960	12/31/2099
SL012		SMALL SCAL	E LAKE GRANTS						1/1/1960	12/31/2099
Forms										
Form Code		Form Na	me							
Methods										
Method Code	Description									
Fieldwork Even	ts									
Start Date	Status	Field ID Stat			tion ID Station Name					
Documents										
Title Description			Author		Published	Commer	nts			
Madison Area Deflector "Floating B Boom Evaluation Final algal scum Report 2013 from foulin beaches: a of Madiso algae, inclu		booms to prevent blue-green ns and other floating debris ing Madison area swimming a pilot test" Final evaluation on area deflector booms on ludes photos and diagrams		Richard C. Lathrop, John R. Reimer, Kirsti K. Sorsa, Genesis M. Steinhorst, Chin H. Wu		3/20/2013				
Budget										
Combined Budge	ts:									

Combined WSLH:

Combined Total:

\$0.00

Funding					
Organization	Source	Туре	Amount	Start Date	End Date