

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: LPL-1218-08
Name: CITY OF MADISON: Hydrodynamic Modeling-Monona Bay
Type: Lakes Grant
Subtype: Large Scale Lake Planning
Status: COMPLETE
Start Date: 04/01/2008
End Date: 12/31/2008
Purpose: The City of Madison will examine retention time and circulation patterns within Lake Monona and Monona Bay in Dane County. The overall objective is to develop a hydrodynamic model to be used as a tool to assess future designs and improvements to Monona Bay. This project is critical to address the water quality issues within the bay, and was recommended by the WRM study of the Bay. The following project deliverables are expected: 1) data compilation to create an accurate and representative model; 2) model set-up; 3) Model calibration with additional field data measurements.

Objective:

Comments: Grantee is CITY OF MADISON

Outcome:

Study Design:

QA Measures:

People

Name	Role	Status	Start Date	End Date	Organization	Comments
CITY OF MADISON,	GRANT_RECIPII	ACTIVE	04/01/2008	12/31/2008	CITY OF MADISON	

Project Statuses

Date	Reported By	Status	Comments
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Actions

Action	Detailed Description	Start	End Date	Status
Grant Awarded	The City of Madison will examine retention time and circulation patterns within Lake Monona and Monona Bay in Dane County. The overall objective is to develop a hydrodynamic model to be used as a tool to assess future designs and improvements to Monona Bay. This project is critical to address the water quality issues within the bay, and was recommended by the WRM study of the Bay. The following project deliverables are expected: 1) data compilation to create an accurate and representative model; 2) model set-up; 3) Model calibration with additional field data measurements	04/01/2008	12/31/2008	COMPLETE
Water Quality Modeling	22885254	04/01/2008		PROPOSED

Monitoring Stations

Station ID	Name	Comments
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Assessment Units

WBIC	Segment	Local Name	Official Name
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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

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	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
Hydrodynamic and Hydrologic Modeling for Lake Monona, Madison, WI		John Reimer		

Budget

Combined Budgets:

Combined SLOH:

Combined Total:

Funding

Organization	Source	Type	Amount	Start Date	End Date
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