

## Wisconsin Department of Natural Resources SWIMS Project Summary

### General Project Information

**Project ID:** GLRI-9KM60  
**Name:** Benthos & Plankton in WI Lake Michigan AOC (USGS # 9KM60)  
**Type:** Great Lakes Restoration Initiative  
**Subtype:** Accountability, Monitoring, Collaboration, Education, Partnership  
**Status:** ACTIVE  
**Start Date:** 07/01/2011  
**End Date:** 06/30/2013  
**Purpose:** Benthos (benthic invertebrate) and plankton (phytoplankton/zooplankton) communities in Wisconsin's four Lake Michigan Areas of Concern (AOCs; Menominee River, Lower Green Bay and Fox River, Sheboygan River, and Milwaukee Estuary) and six non-AOCs will be quantified. The inclusion of non-AOC sites will allow comparison of AOC sites to relatively unimpacted or less-impacted control sites with natural physical and chemical characteristics that are as close as possible to that of the AOCs. Comparison to less-impacted control sites as site pairs and as a group is consistent with the approaches used by other Great Lakes states, such as Michigan and Ohio (Michigan Department of Environmental Quality, 2008; Ohio EPA, 2008). The community data within and between the AOCs and non-AOCs will be analyzed and the differences and similarities will assist in determining the status of the communities and, when appropriate, support delisting of the "Degraded Benthos" and "Degradation of phytoplankton / zooplankton populations" beneficial use impairments in each AOC. This project is a cooperative agreement between the Wisconsin Department of Natural Resources (WDNR) and the US Geological Survey (USGS).  
**Objective:**  
**Comments:** DNR \$300,000 FY2012  
**Outcome:**

### People

Name	Role	Status	Start Date	End Date	Organization	Comments
Bell, Amanda	COORDINATOR	ACTIVE	05/23/2012		USGS	
Eikenberry, Barb	INVESTIGATOR	ACTIVE	09/19/2011		USGS	
FAYRAM, ANDREW H	COORDINATOR	ACTIVE	09/19/2011		Wisconsin DNR	
HRON, STACY L	COORDINATOR	ACTIVE	09/19/2011		Wisconsin DNR	

### Project Statuses

Date	Reported By	Status	Comments
12/31/2011	LAUREL LAST	Progress: 0-25% Cor	This project is being completed under contract with the USGS. The contract was drafted and approved by WDNR and USGS. The background research, site reconnaissance, equipment procurement and planning necessary before sampling are currently underway. A QAPP is in progress. Approx. 10% complete.
03/31/2012	STACY HRON	Progress: 0-25% Cor	QAPP has been completed and submitted for approval. Preparations for field work were completed during this quarter with sampling anticipated to begin in April 2012.
06/30/2012	STACY HRON	Progress: 25-50% Cor	QAPP Approved. First sampling event completed.

### Project Status Detail

Question	Answer
1. Reporting Timeframe (Q1) (Q2) (Q3) (Q4):	Q4 - April 1, 2012 - June 30, 2012
2. Amount expended this reporting period:	see parent project for details
3. Subcontracts or subgrants awarded this reporting period:	none
4. QAPP (Project Plan) status:	approved
5. Local services and/or products purchased this reporting	none

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Question	Answer
period:	
6. Number of jobs created this reporting period:	none
7. Work accomplished this reporting period:	Initial deployment of samplers and first field sampling event were completed.
8. Work goals for coming reporting period:	Second field sampling event in August 2012.

### Actions

Action	Detailed Description	Start	End Date	Status
Grant Awarded	Benthos (benthic invertebrate) and plankton (phytoplankton/zooplankton) communities in Wisconsin's four Lake Michigan Areas of Concern (AOCs; Menominee River, Lower Green Bay and Fox River, Sheboygan River, and Milwaukee Estuary) and six non-AOCs will be quantified.	*****	06/30/2013	PROPOSED

### Monitoring Stations

Station ID	Name	Comments
10037430	Ahnapee River US 2nd Street	
10037530	Dead Horse Bay (Green Bay) South of State Wildlife Area	
10037431	Escanaba River Mouth at Lake Michigan	
10037433	Fox River at DePere, US Fox Point Boat Launch	
10037435	Fox River at RR Bridge US HWY54	
10037436	Kewaunee River US HWY42	
10037444	Manitowoc River US 10th Street Bridge	
10037445	Menominee River US Ogden St Bridge	
10037446	Menominee River US North 6th Street	
10037447	Milwaukee Harbor DS 794	
10037448	Milwaukee River US East Knapp Street	
10037449	Oconto River Mouth at Lake Michigan, US of Marina	
10037450	Root River at Racine US State Street	
10037451	Sheboygan River at Sheboygan Harbor US of Marina	

### Assessment Units

WBIC	Segment	Local Name	Official Name
20	2	Bradford Beach, Lake Michigan	Lake Michigan
20	12	Lake Michigan	Lake Michigan

### Lab Account Codes

Account Code	Description	Start Date	End Date
GL006	BENTHOS & PLANKTON IN WI LAKE	05/03/2011	06/30/2012

### Forms

Form Code	Form Name
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### Methods

Method Code	Description
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## Wisconsin Department of Natural Resources SWIMS Project Summary

### Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
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### Documents

Title	Description	Author	Published	Comments
Plankton Benthos Project QAPP approved version Quarterly Progress Report (Plankton & Benthos) - Jan-Mar 2012	PDF with EPA signatures	Amanda Bell	05/01/2012	
			03/31/2012	
SWIMS project summary GLRI-9KM60 benthos & plankton Q1-2	SWIMS project summary for GLRI-9KM60 Benthos & Plankton in WI Lake Michigan AOCs (Q1-2 report).	SWIMS	02/03/2012	

### Budget

Combined Budgets:

Combined SLOH:

### Funding

Organization	Source	Type	Amount	Start Date	End Date
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