

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: Toxics and Areas of Concern

Status: COMPLETE

Start Date: 7/1/2011

End Date: 6/30/2013

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:****Study Design:****QA Measures:**

People

Name	Role	Status	Start Date	End Date	Organization	Comments
Bell, Amanda	COORDINATOR	ACTIVE	5/23/2012		USGS	
Eikenberry, Barb	INVESTIGATOR	ACTIVE	9/19/2011		USGS	
FAYRAM, ANDREW H	COORDINATOR	INACTIVE	9/19/2011		Wisconsin DNR	
HRON, STACY L	COORDINATOR	ACTIVE	9/19/2011		Wisconsin DNR	
MARCANGELI, APRIL N	TEAM_MEMBER	INACTIVE	7/3/2014	12/31/2015		
Nickel, Adam D	TEAM_MEMBER	INACTIVE	10/14/2013			

Project Statuses

Date	Reported By	Status	Comments
12/31/2011	LAUREL LAST	Progress: 0-25% Complete	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.
3/31/2012	STACY HRON	Progress: 0-25% Complete	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.

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6/30/2012	STACY HRON	Progress: 25-50% Complete	QAPP Approved. First sampling event completed.
9/30/2012	STACY HRON	Progress: 50-75% Complete	Field work has been completed. Data analysis and reporting will begin when analysis is complete.
12/31/2012	STACY HRON	Progress: 75-100% Complete	Data analysis and reporting continue as analyses are completed and data is received.
3/31/2013	STACY HRON	Progress: 75-100% Complete	Data analysis and reporting continue as analyses are completed and data is received.
6/30/2013	STACY HRON	Progress: 75-100% Complete	Data analysis and reporting continue.
9/30/2013	Adam Nickel	Progress: 75-100% Complete	Data analysis and reporting will continue.
12/31/2013	Adam Nickel	Progress: 75-100% Complete	Data analysis is nearing completion and journal articles are being drafted. Reporting will continue next quarter.
3/31/2014	Adam Nickel	Progress: 75-100% Complete	Data analysis and report drafting continued this quarter. Report drafting will continue next quarter and H-D artificial substrate samplers will be deployed.
6/30/2014	STACY HRON	Progress: 75-100% Complete	Reporting continued. USGS to complete final report.
9/30/2014	APRIL MARCANGELI	Complete	Final report is complete.

Project Status Detail

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Answer Set: 2014-Q2

Question	Answer
1. Reporting Timeframe (Q1) (Q2) (Q3) (Q4):	
2. Amount expended this reporting period:	
3. Subcontracts or subgrants awarded this reporting period:	
4. QAPP (Project Plan) status:	
5. Local services and/or products purchased this reporting period:	
6. Number of jobs created this reporting period:	
7. Work accomplished this reporting period:	
8. Work goals for coming reporting period:	
1. Reporting Timeframe Month/Year to Month/Year (Oct-Mar or Apr-Sept):	
2. Quality Documentation status (respond NA if not required):	
3. Describe work performed during this reporting period relating to the activities from the grant workplan (Previous 6 months):	
4. GLRI Action Plan metric(s) accomplished and numerical progress during this reporting period:	
5. GLRI Action Plan metric(s) accomplished and numerical progress since project start (total complete to date):	
6. Percentage (estimate) of project work completed during this reporting period:	
7. Percentage (estimate) of project work completed since the project start (total complete to date):	
8. Is project work on schedule? If no, please explain.	
9. If a problem was encountered, describe the problem and action(s) taken to correct it.	
10. What work is projected during the next reporting period? (Next 6 months):	
11. Will the project take longer than the approved project period? If so, have you requested an extension in writing to the grant coordinator?	
12. Amount expended this reporting period (can be approximate) If no amount expended, explain why.	
13. Is project invoicing/expenditures up to date? If invoicing is more than 3 months overdue, explain why.	
14. Were any significant changes (>10% of the total project amount) made to the project budget? If so, have you notified the grant coordinator in writing?	

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Answer Set: 2014-Q3

Question	Answer
1. Reporting Timeframe (Q1) (Q2) (Q3) (Q4):	
2. Amount expended this reporting period:	
3. Subcontracts or subgrants awarded this reporting period:	
4. QAPP (Project Plan) status:	
5. Local services and/or products purchased this reporting period:	
6. Number of jobs created this reporting period:	
7. Work accomplished this reporting period:	
8. Work goals for coming reporting period:	
1. Reporting Timeframe Month/Year to Month/Year (Oct-Mar or Apr-Sept):	
2. Quality Documentation status (respond NA if not required):	
3. Describe work performed during this reporting period relating to the activities from the grant workplan (Previous 6 months):	
4. GLRI Action Plan metric(s) accomplished and numerical progress during this reporting period:	
5. GLRI Action Plan metric(s) accomplished and numerical progress since project start (total complete to date):	
6. Percentage (estimate) of project work completed during this reporting period:	
7. Percentage (estimate) of project work completed since the project start (total complete to date):	
8. Is project work on schedule? If no, please explain.	
9. If a problem was encountered, describe the problem and action(s) taken to correct it.	
10. What work is projected during the next reporting period? (Next 6 months):	
11. Will the project take longer than the approved project period? If so, have you requested an extension in writing to the grant coordinator?	
12. Amount expended this reporting period (can be approximate) If no amount expended, explain why.	
13. Is project invoicing/expenditures up to date? If invoicing is more than 3 months overdue, explain why.	
14. Were any significant changes (>10% of the total project amount) made to the project budget? If so, have you notified the grant coordinator in writing?	

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Answer Set: DEFAULT

Question	Answer
1. Reporting Timeframe (Q1) (Q2) (Q3) (Q4):	
2. Amount expended this reporting period:	
3. Subcontracts or subgrants awarded this reporting period:	
4. QAPP (Project Plan) status:	
5. Local services and/or products purchased this reporting period:	
6. Number of jobs created this reporting period:	
7. Work accomplished this reporting period:	
8. Work goals for coming reporting period:	
1. Reporting Timeframe Month/Year to Month/Year (Oct-Mar or Apr-Sept):	
2. Quality Documentation status (respond NA if not required):	
3. Describe work performed during this reporting period relating to the activities from the grant workplan (Previous 6 months):	
4. GLRI Action Plan metric(s) accomplished and numerical progress during this reporting period:	
5. GLRI Action Plan metric(s) accomplished and numerical progress since project start (total complete to date):	
6. Percentage (estimate) of project work completed during this reporting period:	
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13. Is project invoicing/expenditures up to date? If invoicing is more than 3 months overdue, explain why.	
14. Were any significant changes (>10% of the total project amount) made to the project budget? If so, have you notified the grant coordinator in writing?	

Actions				
Action	Detailed Description	Start Date	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.	7/1/2011	6/30/2013	PROPOSED

Monitoring Stations

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Station ID	Name	Comments
10037430	Ahnapee River US 2nd St	
10037431	Escanaba River Mouth at Lake Michigan	
10037433	Fox River at De Pere US Fox Point Boat Launch	
10037435	Fox River at RR Bridge US HWY54	
053477	Green Bay - Gr Bay Sty S Of Grassy Island	
057	Green Bay - Green Bay At Dead Horse Bay	
053243	Green Bay - Nr Shr Std Sta 52a03	
053273	Green Bay - Nr Shr Stdy Sta 77a37	
10042339	Green Bay Historical Site 17	
10037436	Kewaunee River US HWY42	
10042335	Lake Michigan (Green Bay) Historic Site 16	
10037530	Lake Michigan Dead Horse Bay (Green Bay) South of State Wildlife Area	
10037444	Manitowoc River US 10th Street Bridge	
10037445	Menominee River US Ogden St Bridge	
10037446	Menomonee River US North 6th St	
10037447	Milwaukee Harbor DS 794	
10037448	Milwaukee River US East Knapp St	
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
70	1	Green Bay (Inner Bay, Aoc)	Green Bay
2900	1	Root River	Root River
15000	1	Milwaukee River	Milwaukee River
15100	1	Kinnickinnic River	Kinnickinnic River
16000	2	Menomonee River	Menomonee River
50700	1	Sheboygan River	Sheboygan River
71000	1	Manitowoc River (Main Stem)	Manitowoc River
90700	1	Kewaunee River and Marsh	Kewaunee River
94800	1	Ahnapee River	Ahnapee River

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117900	1	Lower Fox River (Mouth To Depere Dam)	Fox River
440200	1	Oconto River	Oconto River
609000	1	Menominee River	Menominee River

Lab Account Codes

Account Code	Description	Start Date	End Date
GL006	BENTHOS & PLANKTON IN WI LAKE MICHIGAN AOC	5/3/2011	6/30/2012

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
5/29/2012 11:45	COMPLETE	GREESPP	10037530	Lake Michigan Dead Horse Bay (Green Bay) South of State Wildlife Area
5/29/2012 11:45	COMPLETE	ROOTSPP	10037450	Root River at Racine US State Street
5/29/2012 11:45	COMPLETE	ROOTSPP	10037450	Root River at Racine US State Street
5/29/2012 11:45	COMPLETE	ROOTSPP	10037450	Root River at Racine US State Street
5/29/2012 11:45	COMPLETE	ROOTSPP	10037450	Root River at Racine US State Street
5/30/2012 8:30	COMPLETE	MILHSPP	10037447	Milwaukee Harbor DS 794
5/30/2012 8:30	COMPLETE	MILHSPP	10037447	Milwaukee Harbor DS 794
5/30/2012 8:30	COMPLETE	MILHSPP	10037447	Milwaukee Harbor DS 794
5/30/2012 8:30	COMPLETE	MILHSPP	10037447	Milwaukee Harbor DS 794
5/31/2012 10:10	COMPLETE	MILRSPP	10037448	Milwaukee River US East Knapp St
5/31/2012 10:10	COMPLETE	MILRSPP	10037448	Milwaukee River US East Knapp St
5/31/2012 10:10	COMPLETE	MILRSPP	10037448	Milwaukee River US East Knapp St
5/31/2012 10:10	COMPLETE	MILRSPP	10037448	Milwaukee River US East Knapp St
5/31/2012 13:00	COMPLETE	MENOSPP	10037446	Menomonee River US North 6th St
5/31/2012 13:00	COMPLETE	MENOSPP	10037446	Menomonee River US North 6th St
5/31/2012 13:00	COMPLETE	MENOSPP	10037446	Menomonee River US North 6th St
5/31/2012 14:00	COMPLETE	MENOSPP	10037446	Menomonee River US North 6th St
6/4/2012 13:00	COMPLETE	GREESPP	10037530	Lake Michigan Dead Horse Bay (Green Bay) South of State Wildlife Area
6/4/2012 13:00	COMPLETE	GREESPP	057	Green Bay - Green Bay At Dead Horse Bay
6/4/2012 13:00	COMPLETE	GREESPP	10037530	Lake Michigan Dead Horse Bay (Green Bay) South of State Wildlife Area
6/5/2012 8:30	COMPLETE	FOXRSPP	10037436	Kewaunee River US HWY42

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6/5/2012 8:30	COMPLETE	FOXRSP	10037436	Kewaunee River US HWY42
6/5/2012 8:30	COMPLETE	FOXRSP	10037436	Kewaunee River US HWY42
6/5/2012 8:30	COMPLETE	FOXRSP	10037435	Fox River at RR Bridge US HWY54
6/5/2012 10:15	COMPLETE	FOXDSPP	10037433	Fox River at De Pere US Fox Point Boat Launch
6/6/2012 9:00	COMPLETE	MANIPSPP	10037444	Manitowoc River US 10th Street Bridge
6/6/2012 9:00	COMPLETE	MANIPSPP	10037444	Manitowoc River US 10th Street Bridge
6/6/2012 9:00	COMPLETE	MANIPSPP	10037444	Manitowoc River US 10th Street Bridge
6/6/2012 9:00	COMPLETE	MANIPSPP	10037444	Manitowoc River US 10th Street Bridge
6/6/2012 9:15	COMPLETE	MANIRSPR	10037444	Manitowoc River US 10th Street Bridge
6/6/2012 9:15	COMPLETE	MANIRSPR	10037444	Manitowoc River US 10th Street Bridge
6/6/2012 9:15	COMPLETE	MANIRSPR	10037444	Manitowoc River US 10th Street Bridge
6/6/2012 9:15	COMPLETE	MANIRSPR	10037444	Manitowoc River US 10th Street Bridge
6/7/2012 8:30	COMPLETE	KEWASPP	10037436	Kewaunee River US HWY42
6/7/2012 8:30	COMPLETE	KEWASPP	10037436	Kewaunee River US HWY42
6/7/2012 8:30	COMPLETE	KEWASPP	10037436	Kewaunee River US HWY42
6/7/2012 8:30	COMPLETE	KEWASPP	10037436	Kewaunee River US HWY42
6/7/2012 11:15	COMPLETE	AHNASPP	10037430	Ahnapee River US 2nd St
6/7/2012 11:15	COMPLETE	AHNASPP	10037430	Ahnapee River US 2nd St
6/7/2012 11:15	COMPLETE	AHNASPP	10037430	Ahnapee River US 2nd St
6/7/2012 11:15	COMPLETE	AHNASPP	10037430	Ahnapee River US 2nd St
6/11/2012 11:00	COMPLETE	SHEBPSPP	10037451	Sheboygan River - at Sheboygan Harbor US of Marina
6/11/2012 11:00	COMPLETE	SHEBPSPP	10037451	Sheboygan River - at Sheboygan Harbor US of Marina
6/11/2012 11:00	COMPLETE	SHEBPSPP	10037451	Sheboygan River - at Sheboygan Harbor US of Marina
6/11/2012 11:00	COMPLETE	SHEBPSPP	10037451	Sheboygan River - at Sheboygan Harbor US of Marina
6/11/2012 11:15	COMPLETE	SHEBRSPR	10037451	Sheboygan River - at Sheboygan Harbor US of Marina
6/11/2012 11:15	COMPLETE	SHEBRSPR	10037451	Sheboygan River - at Sheboygan Harbor US of Marina
6/11/2012 11:15	COMPLETE	SHEBRSPR	10037451	Sheboygan River - at Sheboygan Harbor US of Marina
6/11/2012 11:15	COMPLETE	SHEBRSPR	10037451	Sheboygan River - at Sheboygan Harbor US of Marina
6/12/2012 13:30	COMPLETE	ESCASPP	10037431	Escanaba River Mouth at Lake Michigan
6/12/2012 13:30	COMPLETE	ESCASPP	10037431	Escanaba River Mouth at Lake Michigan
6/12/2012 13:30	COMPLETE	ESCASPP	10037431	Escanaba River Mouth at Lake Michigan
6/12/2012 13:30	COMPLETE	ESCASPP	10037431	Escanaba River Mouth at Lake Michigan
6/13/2012 8:30	COMPLETE	MENISPP	10037445	Menominee River US Ogden St Bridge
6/13/2012 8:30	COMPLETE	MENISPP	10037445	Menominee River US Ogden St Bridge
6/13/2012 8:30	COMPLETE	MENISPP	10037445	Menominee River US Ogden St Bridge

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6/13/2012 8:30	COMPLETE	MENISPP	10037445	Menominee River US Ogden St Bridge
6/13/2012 12:30	COMPLETE	OCONSPP	10037449	Oconto River Mouth at Lake Michigan US of Marina
6/13/2012 12:30	COMPLETE	OCONSPP	10037449	Oconto River Mouth at Lake Michigan US of Marina
6/13/2012 12:30	COMPLETE	OCONSPP	10037449	Oconto River Mouth at Lake Michigan US of Marina
6/13/2012 12:30	COMPLETE	OCONSPP	10037449	Oconto River Mouth at Lake Michigan US of Marina
7/9/2012 11:00	COMPLETE	ROOTSMP	10037450	Root River at Racine US State Street
7/9/2012 11:00	COMPLETE	ROOTSMP	10037450	Root River at Racine US State Street
7/9/2012 11:00	COMPLETE	ROOTSMP	10037450	Root River at Racine US State Street
7/9/2012 11:00	COMPLETE	ROOTSMP (FX000093)	10037450	Root River at Racine US State Street
7/9/2012 11:00	COMPLETE		10037450	Root River at Racine US State Street
7/10/2012 8:45	COMPLETE	MENOSMP	10037446	Menomonee River US North 6th St
7/10/2012 8:45	COMPLETE	MENOSMP	10037446	Menomonee River US North 6th St
7/10/2012 8:45	COMPLETE	MILHSMP	10037447	Milwaukee Harbor DS 794
7/10/2012 8:45	COMPLETE	MILHSMP (FX000086)	10037446	Menomonee River US North 6th St
7/10/2012 8:45	COMPLETE		10037446	Menomonee River US North 6th St
7/10/2012 10:15	COMPLETE	MILRSMP	10037448	Milwaukee River US East Knapp St
7/10/2012 10:15	COMPLETE	MILRSMP	10037448	Milwaukee River US East Knapp St
7/10/2012 10:15	COMPLETE	MILRSMP	10037448	Milwaukee River US East Knapp St
7/10/2012 10:15	COMPLETE	MILRSMP (FX000092)	10037448	Milwaukee River US East Knapp St
7/10/2012 10:15	COMPLETE		10037448	Milwaukee River US East Knapp St
7/10/2012 12:00	COMPLETE	MILHSMP	10037447	Milwaukee Harbor DS 794
7/10/2012 12:00	COMPLETE	MILHSMP	10037447	Milwaukee Harbor DS 794
7/10/2012 12:00	COMPLETE	MILHSMP	10037447	Milwaukee Harbor DS 794
7/10/2012 12:00	COMPLETE	MILHSMP (FX000091)	10037447	Milwaukee Harbor DS 794
7/10/2012 12:00	COMPLETE		10037447	Milwaukee Harbor DS 794
7/11/2012 11:30	COMPLETE	MANISMP	10037444	Manitowoc River US 10th Street Bridge
7/11/2012 11:30	COMPLETE	MANISMP	10037444	Manitowoc River US 10th Street Bridge
7/11/2012 11:30	COMPLETE	MANISMP	10037444	Manitowoc River US 10th Street Bridge
7/11/2012 11:30	COMPLETE	MANISMP (FX000088)	10037444	Manitowoc River US 10th Street Bridge
7/11/2012 11:30	COMPLETE		10037444	Manitowoc River US 10th Street Bridge
7/11/2012 11:45	COMPLETE	MANISMR	10037444	Manitowoc River US 10th Street Bridge
7/11/2012 11:45	COMPLETE	MANISMR	10037444	Manitowoc River US 10th Street Bridge
7/11/2012 11:45	COMPLETE	MANISMR	10037444	Manitowoc River US 10th Street Bridge
7/11/2012 11:45	COMPLETE	MANISMR (FX000087)	10037444	Manitowoc River US 10th Street Bridge
7/11/2012 11:45	COMPLETE		10037444	Manitowoc River US 10th Street Bridge

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7/12/2012 8:30	COMPLETE	KEWASMP	10037436	Kewaunee River US HWY42
7/12/2012 8:30	COMPLETE	KEWASMP	10037436	Kewaunee River US HWY42
7/12/2012 8:30	COMPLETE	KEWASMP	10037436	Kewaunee River US HWY42
7/12/2012 8:30	COMPLETE	KEWASMP (FX000079)	10037436	Kewaunee River US HWY42
7/12/2012 8:30	COMPLETE		10037436	Kewaunee River US HWY42
7/12/2012 11:00	COMPLETE	AHNASMP	10037430	Ahnapee River US 2nd St
7/12/2012 11:00	COMPLETE	AHNASMP	10037430	Ahnapee River US 2nd St
7/12/2012 11:00	COMPLETE	AHNASMP	10037430	Ahnapee River US 2nd St
7/12/2012 11:00	COMPLETE	AHNASMP (FX000083)	10037430	Ahnapee River US 2nd St
7/12/2012 11:00	COMPLETE		10037430	Ahnapee River US 2nd St
7/16/2012 11:00	COMPLETE	SHEBSMP	10037451	Sheboygan River - at Sheboygan Harbor US of Marina
7/16/2012 11:00	COMPLETE	SHEBSMP	10037451	Sheboygan River - at Sheboygan Harbor US of Marina
7/16/2012 11:00	COMPLETE	SHEBSMP	10037451	Sheboygan River - at Sheboygan Harbor US of Marina
7/16/2012 11:00	COMPLETE	SHEBSMP (FX000090)	10037451	Sheboygan River - at Sheboygan Harbor US of Marina
7/16/2012 11:00	COMPLETE		10037451	Sheboygan River - at Sheboygan Harbor US of Marina
7/16/2012 11:15	COMPLETE	SHEBSMR	10037451	Sheboygan River - at Sheboygan Harbor US of Marina
7/16/2012 11:15	COMPLETE	SHEBSMR	10037451	Sheboygan River - at Sheboygan Harbor US of Marina
7/16/2012 11:15	COMPLETE	SHEBSMR	10037451	Sheboygan River - at Sheboygan Harbor US of Marina
7/16/2012 11:15	COMPLETE	SHEBSMR (FX000089)	10037451	Sheboygan River - at Sheboygan Harbor US of Marina
7/16/2012 11:15	COMPLETE		10037451	Sheboygan River - at Sheboygan Harbor US of Marina
7/17/2012 8:15	COMPLETE	FOXRSMP	10037436	Kewaunee River US HWY42
7/17/2012 8:15	COMPLETE	FOXRSMP	10037436	Kewaunee River US HWY42
7/17/2012 8:15	COMPLETE	FOXRSMP (FX000081)	10037436	Kewaunee River US HWY42
7/17/2012 8:15	COMPLETE		10037435	Fox River at RR Bridge US HWY54
7/17/2012 8:30	COMPLETE	FOXRSMP	10037436	Kewaunee River US HWY42
7/17/2012 10:00	COMPLETE	FOXDSMP	10037433	Fox River at De Pere US Fox Point Boat Launch
7/18/2012 7:30	COMPLETE		10037431	Escanaba River Mouth at Lake Michigan
7/18/2012 9:00	COMPLETE	GREESMP	10037530	Lake Michigan Dead Horse Bay (Green Bay) South of State Wildlife Area
7/18/2012 9:00	COMPLETE	GREESMP	10037530	Lake Michigan Dead Horse Bay (Green Bay) South of State Wildlife Area
7/18/2012 9:00	COMPLETE	GREESMP (FX000080)	10037530	Lake Michigan Dead Horse Bay (Green Bay) South of State Wildlife Area
7/18/2012 9:00	COMPLETE		10037530	Lake Michigan Dead Horse Bay (Green Bay) South of State Wildlife Area
7/18/2012 11:30	COMPLETE	OCONSMP	10037449	Oconto River Mouth at Lake Michigan US of Marina
7/18/2012 11:30	COMPLETE	OCONSMP	10037449	Oconto River Mouth at Lake Michigan US of Marina
7/18/2012 11:30	COMPLETE	OCONSMP	10037449	Oconto River Mouth at Lake Michigan US of Marina

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7/18/2012 11:30	COMPLETE	OCONSMP (FX000084)	10037449	Oconto River Mouth at Lake Michigan US of Marina
7/18/2012 11:30	COMPLETE		10037449	Oconto River Mouth at Lake Michigan US of Marina
7/19/2012 7:30	COMPLETE	ESCASMP	10037431	Escanaba River Mouth at Lake Michigan
7/19/2012 7:30	COMPLETE	ESCASMP	10037431	Escanaba River Mouth at Lake Michigan
7/19/2012 7:30	COMPLETE	ESCASMP	10037431	Escanaba River Mouth at Lake Michigan
7/19/2012 7:30	COMPLETE	ESCASMP (FX000082)	10037431	Escanaba River Mouth at Lake Michigan
7/19/2012 11:30	COMPLETE	MENISMP	10037445	Menominee River US Ogden St Bridge
7/19/2012 11:30	COMPLETE	MENISMP	10037445	Menominee River US Ogden St Bridge
7/19/2012 11:30	COMPLETE	MENISMP	10037445	Menominee River US Ogden St Bridge
7/19/2012 11:30	COMPLETE	MENISMP (FX000085)	10037445	Menominee River US Ogden St Bridge
7/19/2012 11:30	COMPLETE		10037445	Menominee River US Ogden St Bridge
8/20/2012 10:30	COMPLETE	ROOTFLP	10037450	Root River at Racine US State Street
8/20/2012 10:30	COMPLETE	ROOTFLP	10037450	Root River at Racine US State Street
8/20/2012 10:30	COMPLETE	ROOTFLP	10037450	Root River at Racine US State Street
8/20/2012 10:30	COMPLETE	ROOTFLP	10037450	Root River at Racine US State Street
8/21/2012	COMPLETE	MILHFLP	10037447	Milwaukee Harbor DS 794
8/21/2012 8:45	COMPLETE	MILRFLP	10037448	Milwaukee River US East Knapp St
8/21/2012 8:45	COMPLETE	MILRFLP	10037448	Milwaukee River US East Knapp St
8/21/2012 8:45	COMPLETE	MILRFLP	10037448	Milwaukee River US East Knapp St
8/21/2012 8:45	COMPLETE	MILRFLP	10037448	Milwaukee River US East Knapp St
8/21/2012 11:00	COMPLETE	MILHFLP	10037447	Milwaukee Harbor DS 794
8/21/2012 11:00	COMPLETE	MILHFLP	10037447	Milwaukee Harbor DS 794
8/21/2012 11:00	COMPLETE	MILHFLP	10037447	Milwaukee Harbor DS 794
8/21/2012 12:20	COMPLETE	MENOFPL	10037446	Menomonee River US North 6th St
8/21/2012 12:20	COMPLETE	MENOFPL	10037446	Menomonee River US North 6th St
8/21/2012 12:20	COMPLETE	MENOFPL	10037446	Menomonee River US North 6th St
8/21/2012 12:20	COMPLETE	MENOFPL	10037446	Menomonee River US North 6th St
8/22/2012 13:10	COMPLETE	SHEBFLP	10037451	Sheboygan River - at Sheboygan Harbor US of Marina
8/22/2012 13:10	COMPLETE	SHEBFLP	10037451	Sheboygan River - at Sheboygan Harbor US of Marina
8/22/2012 13:10	COMPLETE	SHEBFLP	10037451	Sheboygan River - at Sheboygan Harbor US of Marina
8/22/2012 13:10	COMPLETE	SHEBFLP	10037451	Sheboygan River - at Sheboygan Harbor US of Marina
8/22/2012 13:25	COMPLETE	SHEBFLR	10037451	Sheboygan River - at Sheboygan Harbor US of Marina
8/22/2012 13:25	COMPLETE	SHEBFLR	10037451	Sheboygan River - at Sheboygan Harbor US of Marina
8/22/2012 13:25	COMPLETE	SHEBFLR	10037451	Sheboygan River - at Sheboygan Harbor US of Marina
8/22/2012 13:25	COMPLETE	SHEBFLR	10037451	Sheboygan River - at Sheboygan Harbor US of Marina

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8/23/2012 11:00	COMPLETE	MANIFLP	10037444	Manitowoc River US 10th Street Bridge
8/23/2012 11:00	COMPLETE	MANIFLP	10037444	Manitowoc River US 10th Street Bridge
8/23/2012 11:00	COMPLETE	MANIFLP	10037444	Manitowoc River US 10th Street Bridge
8/23/2012 11:00	COMPLETE	MANIFLP	10037444	Manitowoc River US 10th Street Bridge
8/23/2012 11:15	COMPLETE	MANIFLR	10037444	Manitowoc River US 10th Street Bridge
8/23/2012 11:15	COMPLETE	MANIFLR	10037444	Manitowoc River US 10th Street Bridge
8/23/2012 11:15	COMPLETE	MANIFLR	10037444	Manitowoc River US 10th Street Bridge
8/23/2012 11:15	COMPLETE	MANIFLR	10037444	Manitowoc River US 10th Street Bridge
8/23/2012 17:00	COMPLETE	KEWAFLP	10037436	Kewaunee River US HWY42
8/23/2012 17:00	COMPLETE	KEWAFLP	10037436	Kewaunee River US HWY42
8/23/2012 17:00	COMPLETE	KEWAFLP	10037436	Kewaunee River US HWY42
8/23/2012 17:00	COMPLETE	KEWAFLP	10037436	Kewaunee River US HWY42
8/25/2012 14:30	COMPLETE	GREEFLP	10037530	Lake Michigan Dead Horse Bay (Green Bay) South of State Wildlife Area
8/27/2012 11:45	COMPLETE	FOXRFLP	10037436	Kewaunee River US HWY42
8/27/2012 11:45	COMPLETE	FOXRFLP	10037436	Kewaunee River US HWY42
8/27/2012 11:45	COMPLETE	FOXRFLP	10037435	Fox River at RR Bridge US HWY54
8/27/2012 11:45	COMPLETE	FOXRFLP	10037436	Kewaunee River US HWY42
8/27/2012 13:15	COMPLETE	FOXDFLP	10037433	Fox River at De Pere US Fox Point Boat Launch
8/28/2012 10:00	COMPLETE	AHNAFLP	10037430	Ahnapee River US 2nd St
8/28/2012 10:00	COMPLETE	AHNAFLP	10037430	Ahnapee River US 2nd St
8/28/2012 10:00	COMPLETE	AHNAFLP	10037430	Ahnapee River US 2nd St
8/28/2012 10:00	COMPLETE	AHNAFLP	10037430	Ahnapee River US 2nd St
8/28/2012 14:30	COMPLETE	GREEFLP	10037530	Lake Michigan Dead Horse Bay (Green Bay) South of State Wildlife Area
8/28/2012 14:30	COMPLETE	GREEFLP	10037530	Lake Michigan Dead Horse Bay (Green Bay) South of State Wildlife Area
8/29/2012 10:00	COMPLETE	ESCAFLP	10037431	Escanaba River Mouth at Lake Michigan
8/29/2012 10:00	COMPLETE	ESCAFLP	10037431	Escanaba River Mouth at Lake Michigan
8/29/2012 10:00	COMPLETE	ESCAFLP	10037431	Escanaba River Mouth at Lake Michigan
8/29/2012 10:00	COMPLETE	ESCAFLP	10037431	Escanaba River Mouth at Lake Michigan
8/29/2012 14:00	COMPLETE	MENIFLP	10037445	Menominee River US Ogden St Bridge
8/29/2012 14:00	COMPLETE	MENIFLP	10037445	Menominee River US Ogden St Bridge
8/29/2012 14:00	COMPLETE	MENIFLP	10037445	Menominee River US Ogden St Bridge
8/29/2012 14:00	COMPLETE	MENIFLP	10037445	Menominee River US Ogden St Bridge
8/30/2012 9:00	COMPLETE	OCONFLP	10037449	Oconto River Mouth at Lake Michigan US of Marina
8/30/2012 9:00	COMPLETE	OCONFLP	10037449	Oconto River Mouth at Lake Michigan US of Marina

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8/30/2012 9:00	COMPLETE	OCONFLP	10037449	Oconto River Mouth at Lake Michigan US of Marina
8/30/2012 9:00	COMPLETE	OCONFLP	10037449	Oconto River Mouth at Lake Michigan US of Marina

Documents

Title	Description	Author	Published	Comments
Plankton Benthos Project QAPP approved version	PDF with EPA signatures	Amanda Bell	5/1/2012	
Plankton and Benthos 2012 Data Report pub2014				
Plankton and Benthos 2012 Interpretive Report pub2016				
Quarterly Progress Report (Plankton & Benthos)		Stacy Hron	9/30/2012	
Quarterly Progress Report (Plankton & Benthos) - Apr-June 2012		Stacy Hron	6/30/2012	
Quarterly Progress Report (Plankton & Benthos) - Apr-June 2013		Stacy Hron	6/30/2013	
Quarterly Progress Report (Plankton & Benthos) - Apr-June 2014		Hron, Stacy		
Quarterly Progress Report (Plankton & Benthos) - Jan-Mar 2012			3/31/2012	
Quarterly Progress Report (Plankton & Benthos) - Jan-Mar2013			3/31/2013	
Quarterly Progress Report (Plankton and Benthos) - Jan-March 2014	Quarterly Report	Adam Nickel	3/31/2014	
Quarterly Progress Report (Plankton and Benthos) - July-September 2013	Quarterly Report	Adam Nickel	9/30/2013	
Quarterly Progress Report (Plankton and Benthos) - Oct-Dec 2013				
Quarterly Progress Report (Plankton& Benthos) - Oct-Dec 2012		Stacy Hron	12/31/2012	
Revised Project Overview 2013 WI AOCs Benthos-Plankton USGS Proposal for 2014-15 extension of GLRI sampling	Project Overview	Amanda Bell		

Wisconsin Department of Natural Resources SWIMS Project Summary

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	2/3/2012	
USGS Plankton and Benthos final report 2019				

Budget

Combined Budgets:

Combined WSLH:

Combined Total: \$0.00

Funding

Organization	Source	Type	Amount	Start Date	End Date
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