

## 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 |          |
| Nickel, Adam     | TEAM_MEMBER  | ACTIVE | 10/14/2013 |          |               |          |

### 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% Cc | QAPP Approved. First sampling event completed.  |
| 09/30/2012 | STACY HRON  | Progress: 50-75% Cc | Field work has been completed. Data analysis and reporting will begin when analysis is complete.  |
| 12/31/2012 | STACY HRON  | Progress: 75-100% C | Data analysis and reporting continue as analyses are completed and data is received.  |
| 03/31/2013 | STACY HRON  | Progress: 75-100% C | Data analysis and reporting continue as analyses are completed and data is received.  |
| 06/30/2013 | STACY HRON  | Progress: 75-100% C | Data analysis and reporting continue.   |
| 09/30/2013 | Adam Nickel | Progress: 75-100% C | Data analysis and reporting will continue.  |
| 12/31/2013 | Adam Nickel | Progress: 75-100% C | Data analysis is nearing completion and journal articles are being  |

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| Date       | Reported By | Status              | Comments   |
|------------|-------------|---------------------|--|
| 03/31/2014 | Adam Nickel | Progress: 75-100% C | drafted. Reporting will continue next quarter.<br>Data analysis and report drafting continued this quarter. Report drafting will continue next quarter and H-D artificial substrate samplers will be deployed. |

### Project Status Detail

Answer Set: DEFAULT

| Question   | Answer  |
|--|---|
| 1. Reporting Timeframe (Q1) (Q2) (Q3) (Q4):                        | Q3 - January 1 to March 31, 2014  |
| 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 period: | none  |
| 6. Number of jobs created this reporting period:                   | none  |
| 7. Work accomplished this reporting period:                        | Data analysis and drafting of journal articles continued.                     |
| 8. Work goals for coming reporting period:                         | Report drafting will continue next quarter and H-D samplers will be deployed. |

### 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 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                                       |          |
| 10037436   | Kewaunee River US HWY42   |          |
| 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

## Wisconsin Department of Natural Resources SWIMS Project Summary

| WBIC   | Segment | Local Name                            | Official Name          |
|--------|---------|---------------------------------------|------------------------|
| 20     | 2       | Bradford Beach, Lake Michigan         | Lake Michigan          |
| 20     | 12      | Lake Michigan                         | Lake Michigan          |
| 36     | 1       | Sheboygan Harbor                      | Sheboygan Harbor       |
| 70     | 1       | Green Bay (Inner Bay, Aoc)            | Green Bay              |
| 2900   | 1       | Root River                            | Root River             |
| 15000  | 1       | Milwaukee River                       | Milwaukee River        |
| 15010  | 1       | Milwaukee Harbor                      | Milwaukee Harbor Outer |
| 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          |
| 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 | 05/03/2011 | 06/30/2012 |
| GL024        | BENTHOS & PLANKTON IN WI LAKE | 04/01/2014 | 12/31/2014 |

### Forms

| Form Code | Form Name |
|-----------|-----------|
|-----------|-----------|

### Methods

| Method Code | Description |
|-------------|-------------|
|-------------|-------------|

### Fieldwork Events

| Start Date       | Status   | Field ID | Station ID | Station Name  |
|------------------|----------|----------|------------|---|
| 05/29/2012 11:45 | COMPLETE | GREESPP  | 10037530   | Lake Michigan Dead Horse Bay (Green Bay) South of State Wildlife Area |
| 05/29/2012 11:45 | COMPLETE | ROOTSPP  | 10037450   | Root River at Racine US State Street                                  |
| 05/29/2012 11:45 | COMPLETE | ROOTSPP  | 10037450   | Root River at Racine US State Street                                  |
| 05/29/2012 11:45 | COMPLETE | ROOTSPP  | 10037450   | Root River at Racine US State Street                                  |
| 05/29/2012 11:45 | COMPLETE | ROOTSPP  | 10037450   | Root River at Racine US State Street                                  |
| 05/30/2012 08:30 | COMPLETE | MILHSPP  | 10037447   | Milwaukee Harbor DS 794   |
| 05/30/2012 08:30 | COMPLETE | MILHSPP  | 10037447   | Milwaukee Harbor DS 794   |
| 05/30/2012 08:30 | COMPLETE | MILHSPP  | 10037447   | Milwaukee Harbor DS 794   |
| 05/30/2012 08:30 | COMPLETE | MILHSPP  | 10037447   | Milwaukee Harbor DS 794   |
| 05/31/2012 10:10 | COMPLETE | MILRSPP  | 10037448   | Milwaukee River US East Knapp St                                      |
| 05/31/2012 10:10 | COMPLETE | MILRSPP  | 10037448   | Milwaukee River US East Knapp St                                      |
| 05/31/2012 10:10 | COMPLETE | MILRSPP  | 10037448   | Milwaukee River US East Knapp St                                      |
| 05/31/2012 10:10 | COMPLETE | MILRSPP  | 10037448   | Milwaukee River US East Knapp St                                      |
| 05/31/2012 13:00 | COMPLETE | MENOSPP  | 10037446   | Menomonee River US North 6th St                                       |
| 05/31/2012 13:00 | COMPLETE | MENOSPP  | 10037446   | Menomonee River US North 6th St                                       |
| 05/31/2012 13:00 | COMPLETE | MENOSPP  | 10037446   | Menomonee River US North 6th St                                       |
| 05/31/2012 14:00 | COMPLETE | MENOSPP  | 10037446   | Menomonee River US North 6th St                                       |

## Wisconsin Department of Natural Resources SWIMS Project Summary

| Start Date       | Status   | Field ID | Station ID | Station Name  |
|------------------|----------|----------|------------|---|
| 06/04/2012 13:00 | COMPLETE | GREESPP  | 10037530   | Lake Michigan Dead Horse Bay (Green Bay) South of State Wildlife Area |
| 06/04/2012 13:00 | COMPLETE | GREESPP  | 10037530   | Lake Michigan Dead Horse Bay (Green Bay) South of State Wildlife Area |
| 06/04/2012 13:00 | COMPLETE | GREESPP  | 057        | Green Bay - Green Bay At Dead Horse Bay                               |
| 06/05/2012 08:30 | COMPLETE | FOXRSP   | 10037436   | Kewaunee River US HWY42   |
| 06/05/2012 08:30 | COMPLETE | FOXRSP   | 10037436   | Kewaunee River US HWY42   |
| 06/05/2012 08:30 | COMPLETE | FOXRSP   | 10037436   | Kewaunee River US HWY42   |
| 06/05/2012 08:30 | COMPLETE | FOXRSP   | 10037435   | Fox River at RR Bridge US HWY54                                       |
| 06/05/2012 08:30 | COMPLETE | FOXRSP   | 10037436   | Kewaunee River US HWY42   |
| 06/05/2012 10:15 | COMPLETE | FOXDSPP  | 10037433   | Fox River at De Pere, US Fox Point Boat Launch                        |
| 06/06/2012 09:00 | COMPLETE | MANIPSPP | 10037444   | Manitowoc River US 10th Street Bridge                                 |
| 06/06/2012 09:00 | COMPLETE | MANIPSPP | 10037444   | Manitowoc River US 10th Street Bridge                                 |
| 06/06/2012 09:00 | COMPLETE | MANIPSPP | 10037444   | Manitowoc River US 10th Street Bridge                                 |
| 06/06/2012 09:00 | COMPLETE | MANIPSPP | 10037444   | Manitowoc River US 10th Street Bridge                                 |
| 06/06/2012 09:15 | COMPLETE | MANIRSPR | 10037444   | Manitowoc River US 10th Street Bridge                                 |
| 06/06/2012 09:15 | COMPLETE | MANIRSPR | 10037444   | Manitowoc River US 10th Street Bridge                                 |
| 06/06/2012 09:15 | COMPLETE | MANIRSPR | 10037444   | Manitowoc River US 10th Street Bridge                                 |
| 06/06/2012 09:15 | COMPLETE | MANIRSPR | 10037444   | Manitowoc River US 10th Street Bridge                                 |
| 06/07/2012 08:30 | COMPLETE | KEWASPP  | 10037436   | Kewaunee River US HWY42   |
| 06/07/2012 08:30 | COMPLETE | KEWASPP  | 10037436   | Kewaunee River US HWY42   |
| 06/07/2012 08:30 | COMPLETE | KEWASPP  | 10037436   | Kewaunee River US HWY42   |
| 06/07/2012 08:30 | COMPLETE | KEWASPP  | 10037436   | Kewaunee River US HWY42   |
| 06/07/2012 11:15 | COMPLETE | AHNASPP  | 10037430   | Ahnapee River US 2nd St   |
| 06/07/2012 11:15 | COMPLETE | AHNASPP  | 10037430   | Ahnapee River US 2nd St   |
| 06/07/2012 11:15 | COMPLETE | AHNASPP  | 10037430   | Ahnapee River US 2nd St   |
| 06/07/2012 11:15 | COMPLETE | AHNASPP  | 10037430   | Ahnapee River US 2nd St   |
| 06/11/2012 11:00 | COMPLETE | SHEBPSPP | 10037451   | Sheboygan River - at Sheboygan Harbor US of Marina                    |
| 06/11/2012 11:00 | COMPLETE | SHEBPSPP | 10037451   | Sheboygan River - at Sheboygan Harbor US of Marina                    |
| 06/11/2012 11:00 | COMPLETE | SHEBPSPP | 10037451   | Sheboygan River - at Sheboygan Harbor US of Marina                    |
| 06/11/2012 11:00 | COMPLETE | SHEBPSPP | 10037451   | Sheboygan River - at Sheboygan Harbor US of Marina                    |
| 06/11/2012 11:15 | COMPLETE | SHEBRSPR | 10037451   | Sheboygan River - at Sheboygan Harbor US of Marina                    |
| 06/11/2012 11:15 | COMPLETE | SHEBRSPR | 10037451   | Sheboygan River - at Sheboygan Harbor US of Marina                    |
| 06/11/2012 11:15 | COMPLETE | SHEBRSPR | 10037451   | Sheboygan River - at Sheboygan Harbor US of Marina                    |
| 06/11/2012 11:15 | COMPLETE | SHEBRSPR | 10037451   | Sheboygan River - at Sheboygan Harbor US of Marina                    |
| 06/12/2012 13:30 | COMPLETE | ESCASPP  | 10037431   | Escanaba River Mouth at Lake Michigan                                 |
| 06/12/2012 13:30 | COMPLETE | ESCASPP  | 10037431   | Escanaba River Mouth at Lake Michigan                                 |
| 06/12/2012 13:30 | COMPLETE | ESCASPP  | 10037431   | Escanaba River Mouth at Lake Michigan                                 |
| 06/12/2012 13:30 | COMPLETE | ESCASPP  | 10037431   | Escanaba River Mouth at Lake Michigan                                 |
| 06/13/2012 08:30 | COMPLETE | MENISPP  | 10037445   | Menominee River US Ogden St Bridge                                    |
| 06/13/2012 08:30 | COMPLETE | MENISPP  | 10037445   | Menominee River US Ogden St Bridge                                    |
| 06/13/2012 08:30 | COMPLETE | MENISPP  | 10037445   | Menominee River US Ogden St Bridge                                    |
| 06/13/2012 08:30 | COMPLETE | MENISPP  | 10037445   | Menominee River US Ogden St Bridge                                    |
| 06/13/2012 12:30 | COMPLETE | OCONSPP  | 10037449   | Oconto River Mouth at Lake Michigan, US of Marina                     |
| 06/13/2012 12:30 | COMPLETE | OCONSPP  | 10037449   | Oconto River Mouth at Lake Michigan, US of Marina                     |
| 06/13/2012 12:30 | COMPLETE | OCONSPP  | 10037449   | Oconto River Mouth at Lake Michigan, US of Marina                     |
| 06/13/2012 12:30 | COMPLETE | OCONSPP  | 10037449   | Oconto River Mouth at Lake Michigan, US of Marina                     |
| 07/09/2012 11:00 | COMPLETE | ROOTSMP  | 10037450   | Root River at Racine US State Street                                  |

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| Start Date       | Status   | Field ID         | Station ID | Station Name                                       |
|------------------|----------|------------------|------------|--|
| 07/09/2012 11:00 | COMPLETE | ROOTSMP          | 10037450   | Root River at Racine US State Street               |
| 07/09/2012 11:00 | COMPLETE | ROOTSMP          | 10037450   | Root River at Racine US State Street               |
| 07/09/2012 11:00 | COMPLETE | ROOTSMP (FX0000  | 10037450   | Root River at Racine US State Street               |
| 07/09/2012 11:00 | COMPLETE |                  | 10037450   | Root River at Racine US State Street               |
| 07/10/2012 08:45 | COMPLETE | MENOSMP          | 10037446   | Menomonee River US North 6th St                    |
| 07/10/2012 08:45 | COMPLETE | MENOSMP          | 10037446   | Menomonee River US North 6th St                    |
| 07/10/2012 08:45 | COMPLETE | MILHSMP          | 10037447   | Milwaukee Harbor DS 794                            |
| 07/10/2012 08:45 | COMPLETE | MILHSMP          | 10037447   | Milwaukee Harbor DS 794                            |
| 07/10/2012 08:45 | COMPLETE | MILHSMP (FX00008 | 10037446   | Menomonee River US North 6th St                    |
| 07/10/2012 08:45 | COMPLETE |                  | 10037446   | Menomonee River US North 6th St                    |
| 07/10/2012 10:15 | COMPLETE | MILRSMP          | 10037448   | Milwaukee River US East Knapp St                   |
| 07/10/2012 10:15 | COMPLETE | MILRSMP          | 10037448   | Milwaukee River US East Knapp St                   |
| 07/10/2012 10:15 | COMPLETE | MILRSMP          | 10037448   | Milwaukee River US East Knapp St                   |
| 07/10/2012 10:15 | COMPLETE | MILRSMP (FX00009 | 10037448   | Milwaukee River US East Knapp St                   |
| 07/10/2012 10:15 | COMPLETE |                  | 10037448   | Milwaukee River US East Knapp St                   |
| 07/10/2012 12:00 | COMPLETE | MILHSMP          | 10037447   | Milwaukee Harbor DS 794                            |
| 07/10/2012 12:00 | COMPLETE | MILHSMP          | 10037447   | Milwaukee Harbor DS 794                            |
| 07/10/2012 12:00 | COMPLETE | MILHSMP          | 10037447   | Milwaukee Harbor DS 794                            |
| 07/10/2012 12:00 | COMPLETE | MILHSMP (FX00009 | 10037447   | Milwaukee Harbor DS 794                            |
| 07/10/2012 12:00 | COMPLETE |                  | 10037447   | Milwaukee Harbor DS 794                            |
| 07/11/2012 11:30 | COMPLETE | MANISMP          | 10037444   | Manitowoc River US 10th Street Bridge              |
| 07/11/2012 11:30 | COMPLETE | MANISMP          | 10037444   | Manitowoc River US 10th Street Bridge              |
| 07/11/2012 11:30 | COMPLETE | MANISMP          | 10037444   | Manitowoc River US 10th Street Bridge              |
| 07/11/2012 11:30 | COMPLETE | MANISMP (FX00008 | 10037444   | Manitowoc River US 10th Street Bridge              |
| 07/11/2012 11:30 | COMPLETE |                  | 10037444   | Manitowoc River US 10th Street Bridge              |
| 07/11/2012 11:45 | COMPLETE | MANISMR          | 10037444   | Manitowoc River US 10th Street Bridge              |
| 07/11/2012 11:45 | COMPLETE | MANISMR          | 10037444   | Manitowoc River US 10th Street Bridge              |
| 07/11/2012 11:45 | COMPLETE | MANISMR          | 10037444   | Manitowoc River US 10th Street Bridge              |
| 07/11/2012 11:45 | COMPLETE | MANISMR (FX00008 | 10037444   | Manitowoc River US 10th Street Bridge              |
| 07/11/2012 11:45 | COMPLETE |                  | 10037444   | Manitowoc River US 10th Street Bridge              |
| 07/12/2012 08:30 | COMPLETE | KEWASMP          | 10037436   | Kewaunee River US HWY42                            |
| 07/12/2012 08:30 | COMPLETE | KEWASMP          | 10037436   | Kewaunee River US HWY42                            |
| 07/12/2012 08:30 | COMPLETE | KEWASMP          | 10037436   | Kewaunee River US HWY42                            |
| 07/12/2012 08:30 | COMPLETE | KEWASMP (FX0000  | 10037436   | Kewaunee River US HWY42                            |
| 07/12/2012 08:30 | COMPLETE |                  | 10037436   | Kewaunee River US HWY42                            |
| 07/12/2012 11:00 | COMPLETE | AHNASMP          | 10037430   | Ahnapee River US 2nd St                            |
| 07/12/2012 11:00 | COMPLETE | AHNASMP          | 10037430   | Ahnapee River US 2nd St                            |
| 07/12/2012 11:00 | COMPLETE | AHNASMP          | 10037430   | Ahnapee River US 2nd St                            |
| 07/12/2012 11:00 | COMPLETE | AHNASMP          | 10037430   | Ahnapee River US 2nd St                            |
| 07/12/2012 11:00 | COMPLETE | AHNASMP (FX00008 | 10037430   | Ahnapee River US 2nd St                            |
| 07/12/2012 11:00 | COMPLETE |                  | 10037430   | Ahnapee River US 2nd St                            |
| 07/16/2012 11:00 | COMPLETE | SHEBSMP          | 10037451   | Sheboygan River - at Sheboygan Harbor US of Marina |
| 07/16/2012 11:00 | COMPLETE | SHEBSMP          | 10037451   | Sheboygan River - at Sheboygan Harbor US of Marina |
| 07/16/2012 11:00 | COMPLETE | SHEBSMP          | 10037451   | Sheboygan River - at Sheboygan Harbor US of Marina |
| 07/16/2012 11:00 | COMPLETE | SHEBSMP (FX0000: | 10037451   | Sheboygan River - at Sheboygan Harbor US of Marina |
| 07/16/2012 11:00 | COMPLETE |                  | 10037451   | Sheboygan River - at Sheboygan Harbor US of Marina |
| 07/16/2012 11:15 | COMPLETE | SHEBSMR          | 10037451   | Sheboygan River - at Sheboygan Harbor US of Marina |
| 07/16/2012 11:15 | COMPLETE | SHEBSMR          | 10037451   | Sheboygan River - at Sheboygan Harbor US of Marina |

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| Start Date       | Status   | Field ID        | Station ID | Station Name  |
|------------------|----------|-----------------|------------|---|
| 07/16/2012 11:15 | COMPLETE | SHEBSMR         | 10037451   | Sheboygan River - at Sheboygan Harbor US of Marina                    |
| 07/16/2012 11:15 | COMPLETE | SHEBSMR (FX0000 | 10037451   | Sheboygan River - at Sheboygan Harbor US of Marina                    |
| 07/16/2012 11:15 | COMPLETE |                 | 10037451   | Sheboygan River - at Sheboygan Harbor US of Marina                    |
| 07/17/2012 08:15 | COMPLETE | FOXRSMP         | 10037436   | Kewaunee River US HWY42   |
| 07/17/2012 08:15 | COMPLETE | FOXRSMP         | 10037436   | Kewaunee River US HWY42   |
| 07/17/2012 08:15 | COMPLETE | FOXRSMP (FX0000 | 10037436   | Kewaunee River US HWY42   |
| 07/17/2012 08:15 | COMPLETE |                 | 10037435   | Fox River at RR Bridge US HWY54                                       |
| 07/17/2012 08:15 | COMPLETE |                 | 10037436   | Kewaunee River US HWY42   |
| 07/17/2012 08:30 | COMPLETE | FOXRSMP         | 10037436   | Kewaunee River US HWY42   |
| 07/17/2012 10:00 | COMPLETE | FOXDSMP         | 10037433   | Fox River at De Pere, US Fox Point Boat Launch                        |
| 07/18/2012 07:30 | COMPLETE |                 | 10037431   | Escanaba River Mouth at Lake Michigan                                 |
| 07/18/2012 09:00 | COMPLETE | GREESMP         | 10037530   | Lake Michigan Dead Horse Bay (Green Bay) South of State Wildlife Area |
| 07/18/2012 09:00 | COMPLETE | GREESMP         | 10037530   | Lake Michigan Dead Horse Bay (Green Bay) South of State Wildlife Area |
| 07/18/2012 09:00 | COMPLETE | GREESMP (FX0000 | 10037530   | Lake Michigan Dead Horse Bay (Green Bay) South of State Wildlife Area |
| 07/18/2012 09:00 | COMPLETE |                 | 10037530   | Lake Michigan Dead Horse Bay (Green Bay) South of State Wildlife Area |
| 07/18/2012 11:30 | COMPLETE | OCONSMP         | 10037449   | Oconto River Mouth at Lake Michigan, US of Marina                     |
| 07/18/2012 11:30 | COMPLETE | OCONSMP         | 10037449   | Oconto River Mouth at Lake Michigan, US of Marina                     |
| 07/18/2012 11:30 | COMPLETE | OCONSMP         | 10037449   | Oconto River Mouth at Lake Michigan, US of Marina                     |
| 07/18/2012 11:30 | COMPLETE | OCONSMP (FX0000 | 10037449   | Oconto River Mouth at Lake Michigan, US of Marina                     |
| 07/18/2012 11:30 | COMPLETE |                 | 10037449   | Oconto River Mouth at Lake Michigan, US of Marina                     |
| 07/19/2012 07:30 | COMPLETE | ESCASMP         | 10037431   | Escanaba River Mouth at Lake Michigan                                 |
| 07/19/2012 07:30 | COMPLETE | ESCASMP         | 10037431   | Escanaba River Mouth at Lake Michigan                                 |
| 07/19/2012 07:30 | COMPLETE | ESCASMP         | 10037431   | Escanaba River Mouth at Lake Michigan                                 |
| 07/19/2012 07:30 | COMPLETE | ESCASMP (FX0000 | 10037431   | Escanaba River Mouth at Lake Michigan                                 |
| 07/19/2012 11:30 | COMPLETE | MENISMP         | 10037445   | Menominee River US Ogden St Bridge                                    |
| 07/19/2012 11:30 | COMPLETE | MENISMP         | 10037445   | Menominee River US Ogden St Bridge                                    |
| 07/19/2012 11:30 | COMPLETE | MENISMP         | 10037445   | Menominee River US Ogden St Bridge                                    |
| 07/19/2012 11:30 | COMPLETE | MENISMP (FX0000 | 10037445   | Menominee River US Ogden St Bridge                                    |
| 07/19/2012 11:30 | COMPLETE |                 | 10037445   | Menominee River US Ogden St Bridge                                    |
| 08/20/2012 10:30 | COMPLETE | ROOTFLP         | 10037450   | Root River at Racine US State Street                                  |
| 08/20/2012 10:30 | COMPLETE | ROOTFLP         | 10037450   | Root River at Racine US State Street                                  |
| 08/20/2012 10:30 | COMPLETE | ROOTFLP         | 10037450   | Root River at Racine US State Street                                  |
| 08/20/2012 10:30 | COMPLETE | ROOTFLP         | 10037450   | Root River at Racine US State Street                                  |
| 08/21/2012       | COMPLETE | MILHFLP         | 10037447   | Milwaukee Harbor DS 794   |
| 08/21/2012 08:45 | COMPLETE | MILRFLP         | 10037448   | Milwaukee River US East Knapp St                                      |
| 08/21/2012 08:45 | COMPLETE | MILRFLP         | 10037448   | Milwaukee River US East Knapp St                                      |
| 08/21/2012 08:45 | COMPLETE | MILRFLP         | 10037448   | Milwaukee River US East Knapp St                                      |
| 08/21/2012 08:45 | COMPLETE | MILRFLP         | 10037448   | Milwaukee River US East Knapp St                                      |
| 08/21/2012 11:00 | COMPLETE | MILHFLP         | 10037447   | Milwaukee Harbor DS 794   |
| 08/21/2012 11:00 | COMPLETE | MILHFLP         | 10037447   | Milwaukee Harbor DS 794   |
| 08/21/2012 11:00 | COMPLETE | MILHFLP         | 10037447   | Milwaukee Harbor DS 794   |
| 08/21/2012 12:20 | COMPLETE | MENOFPLP        | 10037446   | Menomonee River US North 6th St                                       |
| 08/21/2012 12:20 | COMPLETE | MENOFPLP        | 10037446   | Menomonee River US North 6th St                                       |
| 08/21/2012 12:20 | COMPLETE | MENOFPLP        | 10037446   | Menomonee River US North 6th St                                       |
| 08/21/2012 12:20 | COMPLETE | MENOFPLP        | 10037446   | Menomonee River US North 6th St                                       |

## Wisconsin Department of Natural Resources SWIMS Project Summary

| Start Date       | Status   | Field ID | Station ID | Station Name  |
|------------------|----------|----------|------------|---|
| 08/22/2012 13:10 | COMPLETE | SHEBFLP  | 10037451   | Sheboygan River - at Sheboygan Harbor US of Marina                    |
| 08/22/2012 13:10 | COMPLETE | SHEBFLP  | 10037451   | Sheboygan River - at Sheboygan Harbor US of Marina                    |
| 08/22/2012 13:10 | COMPLETE | SHEBFLP  | 10037451   | Sheboygan River - at Sheboygan Harbor US of Marina                    |
| 08/22/2012 13:10 | COMPLETE | SHEBFLP  | 10037451   | Sheboygan River - at Sheboygan Harbor US of Marina                    |
| 08/22/2012 13:25 | COMPLETE | SHEBFLR  | 10037451   | Sheboygan River - at Sheboygan Harbor US of Marina                    |
| 08/22/2012 13:25 | COMPLETE | SHEBFLR  | 10037451   | Sheboygan River - at Sheboygan Harbor US of Marina                    |
| 08/22/2012 13:25 | COMPLETE | SHEBFLR  | 10037451   | Sheboygan River - at Sheboygan Harbor US of Marina                    |
| 08/22/2012 13:25 | COMPLETE | SHEBFLR  | 10037451   | Sheboygan River - at Sheboygan Harbor US of Marina                    |
| 08/23/2012 11:00 | COMPLETE | MANIFLP  | 10037444   | Manitowoc River US 10th Street Bridge                                 |
| 08/23/2012 11:00 | COMPLETE | MANIFLP  | 10037444   | Manitowoc River US 10th Street Bridge                                 |
| 08/23/2012 11:00 | COMPLETE | MANIFLP  | 10037444   | Manitowoc River US 10th Street Bridge                                 |
| 08/23/2012 11:00 | COMPLETE | MANIFLP  | 10037444   | Manitowoc River US 10th Street Bridge                                 |
| 08/23/2012 11:15 | COMPLETE | MANIFLR  | 10037444   | Manitowoc River US 10th Street Bridge                                 |
| 08/23/2012 11:15 | COMPLETE | MANIFLR  | 10037444   | Manitowoc River US 10th Street Bridge                                 |
| 08/23/2012 11:15 | COMPLETE | MANIFLR  | 10037444   | Manitowoc River US 10th Street Bridge                                 |
| 08/23/2012 11:15 | COMPLETE | MANIFLR  | 10037444   | Manitowoc River US 10th Street Bridge                                 |
| 08/23/2012 17:00 | COMPLETE | KEWAFLP  | 10037436   | Kewaunee River US HWY42   |
| 08/23/2012 17:00 | COMPLETE | KEWAFLP  | 10037436   | Kewaunee River US HWY42   |
| 08/23/2012 17:00 | COMPLETE | KEWAFLP  | 10037436   | Kewaunee River US HWY42   |
| 08/23/2012 17:00 | COMPLETE | KEWAFLP  | 10037436   | Kewaunee River US HWY42   |
| 08/25/2012 14:30 | COMPLETE | GREEFLP  | 10037530   | Lake Michigan Dead Horse Bay (Green Bay) South of State Wildlife Area |
| 08/27/2012 11:45 | COMPLETE | FOXRFLP  | 10037436   | Kewaunee River US HWY42   |
| 08/27/2012 11:45 | COMPLETE | FOXRFLP  | 10037436   | Kewaunee River US HWY42   |
| 08/27/2012 11:45 | COMPLETE | FOXRFLP  | 10037436   | Kewaunee River US HWY42   |
| 08/27/2012 11:45 | COMPLETE | FOXRFLP  | 10037436   | Kewaunee River US HWY42   |
| 08/27/2012 11:45 | COMPLETE | FOXRFLP  | 10037435   | Fox River at RR Bridge US HWY54                                       |
| 08/27/2012 13:15 | COMPLETE | FOXDFLP  | 10037433   | Fox River at De Pere, US Fox Point Boat Launch                        |
| 08/28/2012 10:00 | COMPLETE | AHNAFLP  | 10037430   | Ahnapee River US 2nd St   |
| 08/28/2012 10:00 | COMPLETE | AHNAFLP  | 10037430   | Ahnapee River US 2nd St   |
| 08/28/2012 10:00 | COMPLETE | AHNAFLP  | 10037430   | Ahnapee River US 2nd St   |
| 08/28/2012 10:00 | COMPLETE | AHNAFLP  | 10037430   | Ahnapee River US 2nd St   |
| 08/28/2012 14:30 | COMPLETE | GREEFLP  | 10037530   | Lake Michigan Dead Horse Bay (Green Bay) South of State Wildlife Area |
| 08/28/2012 14:30 | COMPLETE | GREEFLP  | 10037530   | Lake Michigan Dead Horse Bay (Green Bay) South of State Wildlife Area |
| 08/29/2012 10:00 | COMPLETE | ESCAFLP  | 10037431   | Escanaba River Mouth at Lake Michigan                                 |
| 08/29/2012 10:00 | COMPLETE | ESCAFLP  | 10037431   | Escanaba River Mouth at Lake Michigan                                 |
| 08/29/2012 10:00 | COMPLETE | ESCAFLP  | 10037431   | Escanaba River Mouth at Lake Michigan                                 |
| 08/29/2012 10:00 | COMPLETE | ESCAFLP  | 10037431   | Escanaba River Mouth at Lake Michigan                                 |
| 08/29/2012 14:00 | COMPLETE | MENIFLP  | 10037445   | Menominee River US Ogden St Bridge                                    |
| 08/29/2012 14:00 | COMPLETE | MENIFLP  | 10037445   | Menominee River US Ogden St Bridge                                    |
| 08/29/2012 14:00 | COMPLETE | MENIFLP  | 10037445   | Menominee River US Ogden St Bridge                                    |
| 08/29/2012 14:00 | COMPLETE | MENIFLP  | 10037445   | Menominee River US Ogden St Bridge                                    |
| 08/30/2012 09:00 | COMPLETE | OCONFLP  | 10037449   | Oconto River Mouth at Lake Michigan, US of Marina                     |
| 08/30/2012 09:00 | COMPLETE | OCONFLP  | 10037449   | Oconto River Mouth at Lake Michigan, US of Marina                     |
| 08/30/2012 09:00 | COMPLETE | OCONFLP  | 10037449   | Oconto River Mouth at Lake Michigan, US of Marina                     |
| 08/30/2012 09:00 | COMPLETE | OCONFLP  | 10037449   | Oconto River Mouth at Lake Michigan, US of Marina                     |

## Wisconsin Department of Natural Resources SWIMS Project Summary

### Documents

| Title  | Description   | Author      | Published  | Comments |
|--|---|-------------|------------|----------|
| Plankton Benthos Project QAPP approved version                         | PDF with EPA signatures   | Amanda Bell | 05/01/2012 |          |
| Quarterly Progress Report (Plankton & Benthos)                         |   | Stacy Hron  | 09/30/2012 |          |
| Quarterly Progress Report (Plankton & Benthos) - Apr-June 2012         |   | Stacy Hron  | 06/30/2012 |          |
| Quarterly Progress Report (Plankton & Benthos) - Apr-June 2013         |   | Stacy Hron  | 06/30/2013 |          |
| Quarterly Progress Report (Plankton & Benthos) - Jan-Mar 2012          |   |             | 03/31/2012 |          |
| Quarterly Progress Report (Plankton & Benthos) - Jan-Mar 2013          |   |             | 03/31/2013 |          |
| Quarterly Progress Report (Plankton and Benthos) - July-September 2013 |   | Adam Nickel | 09/30/2013 |          |
| 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  |   | Amanda Bell |            |          |
| 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 |
|--------------|--------|------|--------|------------|----------|
|--------------|--------|------|--------|------------|----------|