

## Wisconsin Department of Natural Resources SWIMS Project Summary

### General Project Information

**Project ID:** South\_TWA\_2\_2014  
**Name:** East Branch Rock River Watershed [HUC12]  
**Type:** Targeted Watershed Approach  
**Subtype:** Planning (WQ, Nine Key Element)  
**Status:** COMPLETE  
**Start Date:** 04/01/2014  
**End Date:** 10/31/2014  
**Purpose:** Monitor the status of streams from one HUC 12 subwatersheds in the East Branch Rock River watershed to prioritize future watershed projects. There is currently very limited data in this watershed.

There is also a point source WWTP discharge that may use adaptive management or nutrient trading and the information collected may be useful for them to pursue one of those options.

The six sites in the HUC 12 will be identified later. This HUC 12 has been identified in the TMDL as a sub watershed with high nutrient and sediment loadings to the Rock River.

**Objective:** The information will be used to identify areas of the HUC 12 that are considered to be the most important to work on for watershed improvement and to meet water quality standards.

An inventory needs to be completed to determine where the highest concentrations of nutrients may be coming from. Phosphorus, nitrogen and SS data will be collected at 10 different sites throughout the watershed. The sites will be identified with input from Dodge County Land and Water Conservation Dept. Sampling will occur from May 1 - Oct. 31st on a monthly basis and for significant rain/runoff events. Approximately 8-10 samples should be taken at the 10 different sites.

**Comments:** The six sites in the HUC 12 will be identified later. This HUC 12 has been identified in the TMDL as a subwatershed with high nutrient and sediment loadings to the Rock River.

**Outcome:** Change project name and ID to: "TWA (HUC12 Name)"  
 Fisheries, habitat, and macroinvertebrate data will be collected on 6 sites in the targeted HUC 12s.

Data will be entered into the FH database and SWIMS. Updated streams narratives and watershed reports will be entered into SWIMS and WATERS.

**Study Design:** Fish, qualitative habitat, and macroinvertebrates will be collected from 10 sites in HUC 070900010106. In addition, one phosphorus sample will also be collected from each of the 10 sites identified and 6 phosphorus samples from the pour point of this HUC 12

**QA Measures:**

### People

| Name              | Role        | Status   | Start Date | End Date   | Organization  | Comments |
|-------------------|-------------|----------|------------|------------|---------------|----------|
| HEIM, DANIEL R    | COORDINATOR | INACTIVE | 04/01/2014 | 05/04/2015 | Wisconsin DNR |          |
| SEARLE, GREGORY S | TEAM_MEMBER | ACTIVE   | 05/04/2015 |            | Wisconsin DNR |          |

### Project Statuses

| Date       | Reported By | Status            | Comments  |
|------------|-------------|-------------------|---|
| 12/12/2014 | DANIEL HEIM | Progress: 75-100% | Fish surveys completed, Invertebrates collected, Report nearly completed. Report should be completed and downloaded to SWIMS in January |
| 01/26/2015 | DANIEL HEIM | Complete          |   |

### Actions

## Wisconsin Department of Natural Resources SWIMS Project Summary

| Action                                | Detailed Description  | Start | End Date   | Status   |
|---------------------------------------|---|-------|------------|----------|
| Monitor Targeted Watershed Area (TWA) | Monitor the status of streams from one HUC 12 subwatersheds in the East Branch Rock River watershed to prioritize future watershed projects. There is currently very limited data in this watershed. There is also a point source WWTP discharge that may use adaptive management or nutrient trading and the information collected may be useful for them to pursue one of those options | ***** | 10/31/2014 | COMPLETE |

### Monitoring Stations

| Station ID | Name   | Comments                                  |
|------------|--|---|
| 10041918   | Unnamed trib to East Branch RR_Hwy Y           |   |
| 10041919   | East Branch RR - Gill Rd.                      | needs assessment unit 861400 mile 11 - 43 |
| 10042281   | East Branch Rock River near Theresa Ln         | AU: 5699888 SPATIAL FEATURE DIDN'T WORK   |
| 10041924   | Unnamed trib to East Branch RR - Hwy 28        |   |
| 10041921   | Unnamed trib to East Branch RR - McArthur Rd.  |   |
| 10041922   | Unnamed trib to East Branch RR - N. Pole Rd.   |   |
| 10041920   | Unnamed trib to East Branch Rock R - Allen Rd. |   |

### Assessment Units

| WBIC   | Segment | Local Name | Official Name |
|--------|---------|------------|---------------|
| 862700 | 1       | Unnamed    | Unnamed       |
| 862800 | 1       | Unnamed    | Unnamed       |
| 862900 | 1       | Unnamed    | Unnamed       |
| 863100 | 1       | Unnamed    | Unnamed       |
| 863400 | 1       | Unnamed    | Unnamed       |

### Lab Account Codes

| Account Code | Description                    | Start Date | End Date   |
|--------------|--------------------------------|------------|------------|
| WQ002        | TARGETED WATERSHED ASSESSMENTS | 03/26/2014 | 12/31/2099 |

### Forms

| Form Code        | Form Name   |
|------------------|---|
| CONTINUOUS       | Continuous Data Upload                                      |
| INORGANIC        | Inorganic Lab - Field Data                                  |
| STREAM_MON       | Stream Monitoring (Temp, DO, Trans, Flow)                   |
| WADEABLE_MACRO_F | Wadeable Macroinvertebrate Field & Habitat Data             |
| WADEABLE_MACRO_F | Wadeable Macroinvertebrate Stream and Watershed Descriptors |

### Methods

| Method Code  | Description   |
|--|---|
| DNR-FPM-1001.3   | Benthic Invertebrate - D-Frame Net  |
| DNR-FPM 1001.3 BENTHIC INVERTEBRATE SAMPLING - D-FRAME NET, KICK SAMPLES | DNR Field Procedures Manual, 1001.3 Benthic Invertebrate Sampling - D-Frame Net, Kick Samples |
| ELECTROFISHING: BACKPACK SHOCKER   | ELECTROFISHING: BACKPACK SHOCKER  |

## Wisconsin Department of Natural Resources SWIMS Project Summary

**Method Code**  
GRAB SAMPLE

**Description**  
Water Grab Sample (2005) Guidelines and Procedures

### Fieldwork Events

| Start Date       | Status    | Field ID | Station ID | Station Name                                   |
|------------------|-----------|----------|------------|--|
| 06/25/2014 13:30 | COMPLETE  | S-01     | 10041918   | Unnamed trib to East Branch RR_Hwy Y           |
| 06/25/2014 13:40 | COMPLETE  | S-02     | 10041920   | Unnamed trib to East Branch Rock R - Allen Rd. |
| 06/25/2014 13:55 | COMPLETE  | S-03     | 10041921   | Unnamed trib to East Branch RR - McArthur Rd.  |
| 06/25/2014 14:15 | COMPLETE  | S-04     | 10042281   | East Branch Rock River near Theresa Ln         |
| 06/25/2014 14:30 | COMPLETE  | S-05     | 10041922   | Unnamed trib to East Branch RR - N. Pole Rd.   |
| 06/25/2014 14:45 | COMPLETE  | S-06     | 10041924   | Unnamed trib to East Branch RR - Hwy 28        |
| 06/25/2014 15:00 | COMPLETE  | S-07     | 10041919   | East Branch RR - Gill Rd.                      |
| 07/29/2014       | SCHEDULED |          | 10041920   | Unnamed trib to East Branch Rock R - Allen Rd. |
| 07/29/2014       | SCHEDULED |          | 10041918   | Unnamed trib to East Branch RR_Hwy Y           |
| 07/29/2014       | SCHEDULED |          | 10041922   | Unnamed trib to East Branch RR - N. Pole Rd.   |
| 07/29/2014       | SCHEDULED |          | 10041921   | Unnamed trib to East Branch RR - McArthur Rd.  |
| 07/29/2014       | SCHEDULED |          | 10041924   | Unnamed trib to East Branch RR - Hwy 28        |
| 07/29/2014       | SCHEDULED |          | 10042281   | East Branch Rock River near Theresa Ln         |
| 07/29/2014       | SCHEDULED |          | 10041924   | Unnamed trib to East Branch RR - Hwy 28        |
| 07/29/2014       | SCHEDULED |          | 10041919   | East Branch RR - Gill Rd.                      |
| 07/29/2014 12:05 | COMPLETE  | S-01     | 10041918   | Unnamed trib to East Branch RR_Hwy Y           |
| 07/29/2014 12:15 | COMPLETE  | S-02     | 10041920   | Unnamed trib to East Branch Rock R - Allen Rd. |
| 07/29/2014 12:25 | COMPLETE  | S-03     | 10041921   | Unnamed trib to East Branch RR - McArthur Rd.  |
| 07/29/2014 12:35 | COMPLETE  | S-04     | 10042281   | East Branch Rock River near Theresa Ln         |
| 07/29/2014 12:50 | COMPLETE  | S-05     | 10041922   | Unnamed trib to East Branch RR - N. Pole Rd.   |
| 07/29/2014 13:05 | COMPLETE  | S-06     | 10041924   | Unnamed trib to East Branch RR - Hwy 28        |
| 07/29/2014 13:20 | COMPLETE  | S-07     | 10041919   | East Branch RR - Gill Rd.                      |
| 07/30/2014       | SCHEDULED |          | 10041920   | Unnamed trib to East Branch Rock R - Allen Rd. |
| 07/30/2014       | SCHEDULED |          | 10041918   | Unnamed trib to East Branch RR_Hwy Y           |
| 07/30/2014       | SCHEDULED |          | 10041924   | Unnamed trib to East Branch RR - Hwy 28        |
| 07/30/2014       | SCHEDULED |          | 10041921   | Unnamed trib to East Branch RR - McArthur Rd.  |
| 07/30/2014       | SCHEDULED |          | 10041922   | Unnamed trib to East Branch RR - N. Pole Rd.   |
| 07/30/2014       | SCHEDULED |          | 10041919   | East Branch RR - Gill Rd.                      |
| 07/30/2014       | SCHEDULED |          | 10042281   | East Branch Rock River near Theresa Ln         |
| 07/31/2014       | SCHEDULED |          | 10041922   | Unnamed trib to East Branch RR - N. Pole Rd.   |
| 07/31/2014       | SCHEDULED |          | 10041920   | Unnamed trib to East Branch Rock R - Allen Rd. |
| 07/31/2014       | SCHEDULED |          | 10042281   | East Branch Rock River near Theresa Ln         |
| 07/31/2014       | SCHEDULED |          | 10041924   | Unnamed trib to East Branch RR - Hwy 28        |
| 07/31/2014       | SCHEDULED |          | 10041919   | East Branch RR - Gill Rd.                      |
| 07/31/2014       | SCHEDULED |          | 10041921   | Unnamed trib to East Branch RR - McArthur Rd.  |
| 07/31/2014       | SCHEDULED |          | 10041918   | Unnamed trib to East Branch RR_Hwy Y           |
| 08/01/2014       | SCHEDULED |          | 10041919   | East Branch RR - Gill Rd.                      |
| 08/01/2014       | SCHEDULED |          | 10041920   | Unnamed trib to East Branch Rock R - Allen Rd. |
| 08/01/2014       | SCHEDULED |          | 10041918   | Unnamed trib to East Branch RR_Hwy Y           |
| 08/01/2014       | SCHEDULED |          | 10041922   | Unnamed trib to East Branch RR - N. Pole Rd.   |
| 08/01/2014       | SCHEDULED |          | 10041921   | Unnamed trib to East Branch RR - McArthur Rd.  |
| 08/01/2014       | SCHEDULED |          | 10041924   | Unnamed trib to East Branch RR - Hwy 28        |
| 08/01/2014       | SCHEDULED |          | 10042281   | East Branch Rock River near Theresa Ln         |
| 08/02/2014       | SCHEDULED |          | 10041919   | East Branch RR - Gill Rd.                      |

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| Start Date       | Status    | Field ID | Station ID | Station Name                                   |
|------------------|-----------|----------|------------|--|
| 08/02/2014       | SCHEDULED |          | 10042281   | East Branch Rock River near Theresa Ln         |
| 08/02/2014       | SCHEDULED |          | 10041924   | Unnamed trib to East Branch RR - Hwy 28        |
| 08/02/2014       | SCHEDULED |          | 10041921   | Unnamed trib to East Branch RR - McArthur Rd.  |
| 08/02/2014       | SCHEDULED |          | 10041922   | Unnamed trib to East Branch RR - N. Pole Rd.   |
| 08/02/2014       | SCHEDULED |          | 10041918   | Unnamed trib to East Branch RR_Hwy Y           |
| 08/02/2014       | SCHEDULED |          | 10041920   | Unnamed trib to East Branch Rock R - Allen Rd. |
| 08/03/2014       | SCHEDULED |          | 10042281   | East Branch Rock River near Theresa Ln         |
| 08/03/2014       | SCHEDULED |          | 10041919   | East Branch RR - Gill Rd.                      |
| 08/03/2014       | SCHEDULED |          | 10041924   | Unnamed trib to East Branch RR - Hwy 28        |
| 08/03/2014       | SCHEDULED |          | 10041921   | Unnamed trib to East Branch RR - McArthur Rd.  |
| 08/03/2014       | SCHEDULED |          | 10041922   | Unnamed trib to East Branch RR - N. Pole Rd.   |
| 08/03/2014       | SCHEDULED |          | 10041918   | Unnamed trib to East Branch RR_Hwy Y           |
| 08/03/2014       | SCHEDULED |          | 10041920   | Unnamed trib to East Branch Rock R - Allen Rd. |
| 08/04/2014       | SCHEDULED |          | 10042281   | East Branch Rock River near Theresa Ln         |
| 08/04/2014       | SCHEDULED |          | 10041919   | East Branch RR - Gill Rd.                      |
| 08/04/2014       | SCHEDULED |          | 10041924   | Unnamed trib to East Branch RR - Hwy 28        |
| 08/04/2014       | SCHEDULED |          | 10041920   | Unnamed trib to East Branch Rock R - Allen Rd. |
| 08/04/2014       | SCHEDULED |          | 10041918   | Unnamed trib to East Branch RR_Hwy Y           |
| 08/04/2014       | SCHEDULED |          | 10041922   | Unnamed trib to East Branch RR - N. Pole Rd.   |
| 08/04/2014       | SCHEDULED |          | 10041921   | Unnamed trib to East Branch RR - McArthur Rd.  |
| 09/22/2014 12:50 | COMPLETE  | S-01     | 10041918   | Unnamed trib to East Branch RR_Hwy Y           |
| 09/22/2014 13:00 | COMPLETE  | S-02     | 10041920   | Unnamed trib to East Branch Rock R - Allen Rd. |
| 09/22/2014 13:20 | COMPLETE  | S-03     | 10041921   | Unnamed trib to East Branch RR - McArthur Rd.  |
| 09/22/2014 13:40 | COMPLETE  | S-04     | 10042281   | East Branch Rock River near Theresa Ln         |
| 09/22/2014 13:45 | COMPLETE  | S-05     | 10041922   | Unnamed trib to East Branch RR - N. Pole Rd.   |
| 09/22/2014 14:10 | COMPLETE  | S-06     | 10041924   | Unnamed trib to East Branch RR - Hwy 28        |
| 09/22/2014 14:40 | COMPLETE  | S-07     | 10041919   | East Branch RR - Gill Rd.                      |
| 09/22/2014 14:40 | SCHEDULED | S-07     | 10041919   | East Branch RR - Gill Rd.                      |
| 10/16/2014       | COMPLETE  |          | 10041918   | Unnamed trib to East Branch RR_Hwy Y           |
| 10/16/2014       | COMPLETE  |          | 10041920   | Unnamed trib to East Branch Rock R - Allen Rd. |
| 10/22/2014       | COMPLETE  |          | 10042281   | East Branch Rock River near Theresa Ln         |
| 10/22/2014       | COMPLETE  |          | 10041921   | Unnamed trib to East Branch RR - McArthur Rd.  |
| 10/22/2014       | COMPLETE  |          | 10041922   | Unnamed trib to East Branch RR - N. Pole Rd.   |
| 10/23/2014       | COMPLETE  |          | 10041919   | East Branch RR - Gill Rd.                      |
| 10/23/2014       | COMPLETE  |          | 10041924   | Unnamed trib to East Branch RR - Hwy 28        |

### Documents

| Title   | Description | Author    | Published  | Comments |
|---|-------------|-----------|------------|----------|
| East Branch Theresa Subwatershed Monitoring Final Report January 2015 |             | Heim, Dan | 01/26/2015 |          |

### Budget

**Budget Description:** East branch watershed survey **Start Date:** 05/01/2014 **End Date:** 10/31/2014

| Code    | Description | Quantity | Units | Unit Cost | Total Cost | Comments                                  |
|---------|-------------|----------|-------|-----------|------------|---|
| FTE     | FTE Hours   | 0        | Hours | \$0.00    | \$0.00     | 30 trips x 1 FTE x 8 hrs + report writing |
| LTE SAL | LTE Salary  |          | Hours | \$13.00   | \$0.00     |   |

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| Code         | Description                       | Quantity | Units | Unit Cost | Total Cost        | Comments |
|--------------|-----------------------------------|----------|-------|-----------|-------------------|----------|
| LTE FR       | LTE Fringe                        |          |       |           | \$0.00            |          |
| LTE IND      | LTE Indirect                      |          |       |           | \$0.00            |          |
| LTE TOT      | LTE Total Cost                    |          |       |           | \$0.00            |          |
| SUPPLY       | Supplies                          |          |       |           | \$0.00            |          |
| EQUIP        | Equipment                         |          |       |           | \$0.00            |          |
| MILEAGE      | Mileage                           | 600      | Miles | \$0.72    | \$432.00          |          |
| MEAL         | Meals                             | 12       | Meals | \$4.00    | \$48.00           |          |
| LODGE        | Lodging                           |          |       |           | \$0.00            |          |
| TRAVEL       | Travel Total                      |          |       |           | \$480.00          |          |
| BUG          | Bug Contracts                     | 7        |       | \$180.00  | \$1,260.00        |          |
| OTHER        | Other Contracts                   |          |       |           | \$0.00            |          |
| USGS         | USGS Costs                        |          |       |           | \$0.00            |          |
| <b>TOTAL</b> | <b>Total Cost (excludes SLOH)</b> |          |       |           | <b>\$1,740.00</b> |          |

| Test Code | Description           | Test Group          | # Planned | Unit Cost | Total Cost |
|-----------|-----------------------|---------------------|-----------|-----------|------------|
| IC46005   | NO2+NO3 LAB PRESERVED | INORGANIC CHEMISTRY | 2         | \$27.00   | \$54.00    |
| IC47001   | TKN TOTAL             | INORGANIC CHEMISTRY | 2         | \$32.99   | \$65.98    |
| IC52010   | PHOSPHORUS TOTAL      | INORGANIC CHEMISTRY | 17        | \$23.60   | \$401.20   |
| IC65000   | SUSPENDED SOLIDS      | INORGANIC CHEMISTRY | 2         | \$18.80   | \$37.60    |

**Total SLOH Lab Costs:** \$558.78

**Combined Budgets:** \$1,740.00

**Combined SLOH:** \$558.78

**Funding**

| Organization | Source | Type | Amount | Start Date | End Date |
|--------------|--------|------|--------|------------|----------|
|--------------|--------|------|--------|------------|----------|