

## Wisconsin Department of Natural Resources SWIMS Project Summary

### General Project Information

**Project ID:** NER\_03\_CMP12  
**Name:** West Twin River 303(d) validation NER\_03\_CMP12 -  
**Type:** Targeted Monitoring  
**Subtype:** Special Project  
**Status:** COMPLETE  
**Start Date:** 07/01/2011  
**End Date:** 06/30/2012  
**Purpose:** The West Twin River (WBIC = 87000, assessment units 9948, 9949, 9950, 18050, & 18051) is currently on the 303(d) list. However, some of the data used to determine the impairments are old and need to be updated and verified. This project will also compile existing data on the West Twin River to update data documentation sheets. This project will improve the accuracy of the 303(d) list.  
**Objective:**  
**Comments:** 303(d) Impaired Waters List Project  
**Outcome:** 1) The West Twin River will be monitored at five locations: one site in each assessment unit 9948, 9949, 9950, 18050, & 18051. 2) A habitat assessment will be conducted in each assessment unit. Also continuous dissolved oxygen (DO) and temperature monitoring will be done for one week in each assessment unit. 3) Habitat assessments and continuous DO monitoring will be done in July or August 2011. 4) All data will be entered into appropriate databases by February 2012, 5) Final report will be complete by June 30, 2012.  
**Study Design:**  
**QA Measures:**

### People

| Name             | Role        | Status   | Start Date | End Date   | Organization  | Comments |
|------------------|-------------|----------|------------|------------|---------------|----------|
| Gansberg, Mary K | COORDINATOR | COMPLETE | 07/01/2011 | 06/30/2012 | Wisconsin DNR |          |

### Project Statuses

| Date       | Reported By     | Status                    | Comments  |
|------------|-----------------|---------------------------|---|
| 01/28/2011 | MOLLI MACDONALD | Proposed                  |   |
| 09/29/2011 | Mary Gansberg   | Progress: 50-75% Complete | Monitoring completed as planned.Waiting results.  |
| 01/13/2012 | Mary Gansberg   | Progress: 50-75% Complete | Continuous DO/temperature meter installed at five different locations (each assessment unit) in summer 2011. Waiting for guidance from Lisa Helmuth to upload data into SWIMS. Habitat assessment completed and entered into the FH database. Summary report will be developed. |
| 08/29/2012 | Mary Gansberg   | Progress: 50-75% Complete | No significant progress since last update. I plan to complete this over the winter.   |
| 02/01/2013 | Mary Gansberg   | Progress: 50-75% Complete | All water quality monitoring completed as planned. Data entered in appropriate databases. Summary report needed yet.  |
| 09/20/2013 | Mary Gansberg   | Progress: 50-75% Complete | Final report will be completed over the winter.   |
| 05/14/2014 | Mary Gansberg   | Complete                  | Final report in SWIMS   |

### Project Status Detail

**Answer Set: DEFAULT**

| Question  | Answer |
|---|--------|
| 5. FTE Hours (Funds) Needed                                   |        |
| 6. LTE Hours (Funds) Needed                                   |        |
| 7. Supplies - Describe in Detail                              |        |
| 8. Describe Travel Needed                                     |        |
| 9. UWSP Samples (Number)                                      |        |
| 10. Additional Contractual dollars - Who? What? and How much? |        |

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| Question   | Answer |
|--|--------|
| 11. Equipment - What is needed and Why? (New Equipment, Cost?)   |        |
| 12. Capital Equipment >\$5,000 - Describe needed equipment [Note: Federal funds cannot be used to purchase capital equipment]. |        |
| 13. State Lab of Hygiene Analyses: Describe the number and type of parameters - See Worksheet                                  |        |
| 14. Partner Contributions: Describe any funding provided by other DNR programs or non-DNR contributions.                       |        |
| 18. Regional Priority by Category (ex: Cat. 1-1st, Cat. 2-2nd)   |        |

### Actions

| Action  | Detailed Description   | Start      | End Date   | Status      |
|---|--|------------|------------|-------------|
| Monitor or Propose 303(d) Listing   | 1) The West Twin River will be monitored at five locations: one site in each assessment unit 9948, 9949, 9950, 18050, & 18051. 2) A habitat assessment will be conducted in each assessment unit. Also continuous dissolved oxygen (DO) and temperature monitoring will be done for one week in each assessment unit. 3) Habitat assessments and continuous DO monitoring will be done in July or August 2011.       | 07/01/2011 | 06/30/2012 | COMPLETE    |
| <b>Details:</b><br>Parameter<br>Temperature<br>Total Nitrogen<br>Total Phosphorus<br>Total Suspended Solids | <b>Value/Amount</b><br><br><br><br><br><b>Units</b><br><br><br><br><br><b>Comments</b>   |            |            |             |
| Monitor or Propose 303(d) Listing   | West Twin River (WBIC 87000) will be monitored at five locations: one site in each assessment unit 9948, 9949, 9950, 18050, & 18051. 2) A habitat assessment will be conducted in each assessment unit. Also continuous dissolved oxygen (DO) and temperature monitoring will be done for one week in each assessment unit. 3) Habitat assessments and continuous DO monitoring will be done in July or August 2011. | 07/01/2011 | 06/30/2012 | IN_PROGRESS |

### Monitoring Stations

| Station ID | Name   | Comments |
|------------|--|----------|
| 10029483   | West Twin River at CYH Y   |          |
| 10012506   | West Twin River at Cth Z   |          |
| 10034796   | West Twin River at Maribel Caves County Park                           |          |
| 10009868   | West Twin River at Melnik Rd   |          |
| 10034797   | West Twin River at Shoto Conservation Club access site below Shoto dam |          |

### Assessment Units

| WBIC | Segment | Local Name    | Official Name |
|------|---------|---------------|---------------|
| 20   | 12      | Lake Michigan | Lake Michigan |

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| WBIC  | Segment | Local Name               | Official Name     |
|-------|---------|--------------------------|-------------------|
| 47    | 1       | Two Rivers Harbor        | Two Rivers Harbor |
| 84000 | 1       | East Twin River          | East Twin River   |
| 87000 | 1       | West Twin River          | West Twin River   |
| 87000 | 2       | West Twin River          | West Twin River   |
| 87000 | 3       | West Twin River          | West Twin River   |
| 87000 | 4       | West Twin River          | West Twin River   |
| 87000 | 5       | West Twin River          | West Twin River   |
| 87000 | 6       | West Twin River          | West Twin River   |
| 87300 | 1       | Shoto Lake (Impoundment) | Shoto Lake        |
| 88000 | 1       | Kriwanek Creek           | Kriwanek Creek    |

### Lab Account Codes

| Account Code | Description | Start Date | End Date |
|--------------|-------------|------------|----------|
|--------------|-------------|------------|----------|

### Forms

| Form Code  | Form Name              |
|------------|------------------------|
| CONTINUOUS | Continuous Data Upload |

### Methods

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

### Fieldwork Events

| Start Date | Status   | Field ID | Station ID | Station Name   |
|------------|----------|----------|------------|--|
| 07/01/2011 | COMPLETE |          | 10012506   | West Twin River at Cth Z   |
| 07/01/2011 | COMPLETE |          | 10009868   | West Twin River at Melnik Rd   |
| 07/14/2011 | COMPLETE |          | 10029483   | West Twin River at CYH Y   |
| 07/14/2011 | COMPLETE |          | 10034796   | West Twin River at Maribel Caves County Park                           |
| 07/26/2011 | COMPLETE |          | 10034797   | West Twin River at Shoto Conservation Club access site below Shoto dam |

### Documents

| Title  | Description   | Author        | Published  | Comments     |
|--|---|---------------|------------|--------------|
| Total Phosphorus monitoring summary West Twin River at County Highway Z                                    | Total Phosphorus monitoring summary WAV Program report WAV TP REPORT - West Twin River at County Highway Z                          |               | 01/25/2013 |              |
| Total Phosphorus monitoring summary West Twin River at Shoto Conservation Club access site below Shoto dam | Total Phosphorus monitoring summary WAV Program report WAV TP REPORT - West Twin River at Shoto                                     |               | 01/25/2013 |              |
| Total phosphorus monitoring summary West Twin River at Melnik Rd   | Total Phosphorus monitoring report WAV TP REPORT - West Twin River at Melnik Rd   | WAV Program   | 01/25/2013 |              |
| West Twin River WBIC 87000   | Summary report of monitoring conducted on the West Twin River between the confluence with the Devils River/Neshota and river mouth. | Mary Gansberg | 05/14/2014 | Final report |
| West Twin River at CTH Y continuous data   | Continuous dissolved oxygen, temperature, pH, specific conductivity data West Twin River at CTH Y (10029483) July 14-25, 2011.      | Mary Gansberg |            | Spreadsheet  |
| West Twin River at CTH Z   | Continuous dissolved oxygen,  | Mary Gansberg | 05/14/2014 | Spreadsheet  |

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| Title  | Description   | Author        | Published  | Comments    |
|--|---|---------------|------------|-------------|
| (Hwy 147) continuous data                        | temperature, pH, specific conductivity data West Twin River at CTH Z (Hwy 147)(10012506) July 1-13, 2011.   |               |            |             |
| West Twin River at Maribel Caves continuous data | Continuous dissolved oxygen, temperature, pH, specific conductivity data West Twin River at Maribel Caves (10034796) July 14-25, 2011.                    | Mary Gansberg | 05/14/2014 | Spreadsheet |
| West Twin River at Melnik Road continuous data   | Continuous dissolved oxygen, temperature, pH, specific conductivity data West Twin River at Melnik Road (10009868) July 1-13, 2011.                       | Mary Gansberg | 05/14/2014 | Spreadsheet |
| West Twin River at Shoto Conservation Club CTH V | Continuous dissolved oxygen, temperature, pH, specific conductivity data West Twin River at Shoto Conservation Club access 10034797) July 26-Aug.3, 2011. | Mary Gansberg | 05/14/2014 | Spreadsheet |

### Budget

**Budget Description:** Budget for West Twin River 303(d) validation  
NER\_03\_CMP12 - **Start Date:** 07/01/2011 **End Date:** 06/30/2012

| Code         | Description                       | Quantity | Units | Unit Cost | Total Cost        | Comments |
|--------------|-----------------------------------|----------|-------|-----------|-------------------|----------|
| FTE          | FTE Hours                         | 100      | Hours | \$0.00    | \$0.00            |          |
| LTE SAL      | LTE Salary                        | 45       | Hours | \$13.00   | \$585.00          |          |
| LTE FR       | LTE Fringe                        |          |       |           | \$144.50          |          |
| LTE IND      | LTE Indirect                      |          |       |           | \$117.96          |          |
| LTE TOT      | LTE Total Cost                    |          |       |           | \$847.45          |          |
| SUPPLY       | Supplies                          |          |       |           | \$0.00            |          |
| MILEAGE      | Mileage                           | 400      | Miles | \$0.72    | \$288.00          |          |
| MEAL         | Meals                             | 10       | Meals | \$9.00    | \$90.00           |          |
| LODGE        | Lodging                           |          |       |           | \$0.00            |          |
| TRAVEL       | Travel Total                      |          |       |           | \$378.00          |          |
| BUG          | Bug Contracts                     |          |       |           | \$0.00            |          |
| OTHER        | Other Contracts                   |          |       |           | \$0.00            |          |
| EQUIP        | Equipment                         |          |       |           | \$0.00            |          |
| USGS         | USGS Costs                        |          |       |           | \$0.00            |          |
| <b>TOTAL</b> | <b>Total Cost (excludes SLOH)</b> |          |       |           | <b>\$1,225.45</b> |          |

| Test Code                    | Description | Test Group | # Planned | Unit Cost  | Total Cost |
|------------------------------|-------------|------------|-----------|------------|------------|
| <b>Total SLOH Lab Costs:</b> |             |            |           | \$0.00     |            |
| <b>Total Budget:</b>         |             |            |           | \$1,225.45 |            |

**Combined Budgets:** \$1,225.45  
**Combined SLOH:** \$0.00  
**Combined Total:** \$1,225.45

### Funding

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