

## Wisconsin Department of Natural Resources SWIMS Project Summary

### General Project Information

**Project ID:** SCR\_04\_CMP14  
**Name:** Indian Creek Watershed Study Continuation - SCR\_04\_CMP14  
**Type:** Competitive Projects  
**Subtype:** Evaluation Monitoring  
**Status:** ACTIVE  
**Start Date:** 01/01/2014  
**End Date:** 03/31/2016  
**Purpose:** This proposal is a continuation of a watershed study from 2013, by Jean Unmuth. See project ID SCR\_17\_CMP13B. Monitoring from 2013 showed qualitative habitat indices for Indian Cr. (WBIC: 1219700 SWIMS Stations: 10040127, 10040182) in poor condition, and for an unnamed tributary (WBIC: 1219300, SWIMS Station 10040719) in poor condition. Fish IBI's in Indian Cr. at the two stations were 10 and zero, respectively, and no fish were captured from the unnamed Trib WBIC 1219300. Excessive phytoplankton and filamentous algae were present in both streams in the watershed, and the watershed has excessively grazed banks in some areas, and in most areas agricultural crops with little vegetative buffer. Both streams have connected ponds on tributaries, and all other tributaries are now grassed waterways with intermittent flow. Macroinvertebrate samples were collected but not yet returned. The proposal is to collect a second year of biological and physical data as well as TP near the pour point of both streams to determine if the streams are impaired, and for watershed planning.  
**Objective:** Indian Cr. (WBIC: 1219700 SWIMS Stations: 10040127, 10040182), and unnamed tributary of WI. River (WBIC: 1219300, SWIMS Station 10040719, and a second site with no station ID to be located closer to the pour point downstream of STH-80). The project will evaluate phosphorus for impaired waters listing in both streams (Six samples each stream). Additional monitoring will include a second year collection of biological data - A second fish sample near the pour points of both streams to supplement the first year of data for impaired waters listing. Flows and quantitative habitat will be also be collected at two sites on Indian Cr., and the pour point of unnamed trib STH-80 stations for watershed planning.  
**Comments:** This is a continuing project (formerly project ID SCR\_17\_CMP13B).  
**Outcome:** Watershed plan document. If impaired, submittal of an impaired (303d) waters document.  
**Study Design:** Three sites FIBI, stream flows, Quantitative habitat and six monthly phosphorus samples at two of the sites,  
**QA Measures:**

### People

| Name                 | Role         | Status   | Start Date | End Date   | Organization  | Comments |
|----------------------|--------------|----------|------------|------------|---------------|----------|
| Delvaux, Joshua      | TEAM_MEMBER  | ACTIVE   | 05/30/2014 |            |               |          |
| Meiborg, Andrew      | DATA_ENTRY   | ACTIVE   | 01/01/2014 | 03/31/2015 | DNR Intern    |          |
| Momchilovich, Elliot | DATA_ENTRY   | ACTIVE   | 01/01/2014 | 03/31/2015 | DNR Intern    |          |
| SEARLE, GREGORY S    | SUPERVISOR   | ACTIVE   | 01/01/2014 | 03/31/2015 | Wisconsin DNR |          |
| Selle, Christin      | TEAM_MEMBER  | ACTIVE   | 06/19/2014 |            | DNR Intern    |          |
| UNMUTH, JEAN M       | PROJECT_LEAD | INACTIVE | 01/01/2014 | 03/31/2015 | Wisconsin DNR |          |

### Project Statuses

| Date       | Reported By | Status                    | Comments   |
|------------|-------------|---------------------------|--|
| 12/19/2013 | JEAN UNMUTH | Proposed                  |  |
| 06/12/2014 | JEAN UNMUTH | Progress: 0-25% Complete  | Fish and habitat monitoring completed, temperature meters installed. |
| 12/11/2014 | JEAN UNMUTH | Progress: 25-50% Complete | All data entered, proofed. Data summary is in progress               |

### Project Status Detail

Answer Set: DEFAULT

| Question  | Answer   |
|---|--|
| 1. Number of Sample Sites (Enter the station IDs if you know them). | Three sites: Indian Cr. STH-60 Station 10040127, Unnamed Tributary WBIC 121930 Station 10040719, and for water chemistry location downstream of STH-80, no SWIMS station available |

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| Question   | Answer  |
|--|---|
| 2. Number of Sample Events (Indicate how many trips into the field you anticipate for this project).                   | 6   |
| 3. Proposed Dates for Sample Collection  | May-October   |
| 4. List applicable databases and who will enter data?  | SWIMS, Fish Management databases. Jean Unmuth and Interns   |
| 5. Did you receive competitive projects funding in the previous year?  | Yes   |
| 6. If yes to question 5, did you complete the projects including data entry and reports as necessary? If not, why not? | Data entry is completed, Macroinvertebrates collected but not yet submitted to the lab. Continuous Hobo data from STH-60 not yet uploaded to SWIMS. Interim report not drafted. |
| 7. Reviewer Notes: Identify questions or issues with project (use during review period)                                |   |
| 8. Reviewer Decision: Is this project recommended for funding?   |   |

### Actions

| Action             | Detailed Description | Start | End Date   | Status   |
|--------------------|----------------------|-------|------------|----------|
| Watershed Planning |                      | ***** | 03/31/2015 | PROPOSED |

### Monitoring Stations

| Station ID | Name  | Comments |
|------------|---|----------|
| 10040182   | Indian Creek 120m DS of CTH OO 2nd Bridge                                     |          |
| 10040127   | Indian Creek 20m US of STH 60   |          |
| 10041734   | Unnamed Trib (WBIC: 1219300) of Open Water Slough (WBIC:5573600) DS of STH 80 |          |
| 10040719   | Unnamed Trib. (WBIC= 1219300) to WI. R. US 10 m of N. Prairie Rd.             |          |
| 10041322   | Unnamed Tributary (WBIC: 1219300)of WI. R. US of Old STH-80                   |          |

### Assessment Units

| WBIC    | Segment | Local Name                      | Official Name |
|---------|---------|---------------------------------|---------------|
| 1219300 | 1       | Unnamed Trib to Wisconsin River | Unnamed       |
| 1219700 | 1       | Indian Creek                    | Indian Creek  |

### Lab Account Codes

| Account Code | Description           | Start Date | End Date   |
|--------------|-----------------------|------------|------------|
| WT161        | EVALUATION MONITORING | 05/10/2012 | 03/31/2015 |

### Forms

| Form Code   | Form Name                  |
|-------------|----------------------------|
| CONTINUOUS  | Continuous Data Upload     |
| INORGANIC   | Inorganic Lab - Field Data |
| WT-001-2010 | Stream Baseflow Data       |

### Methods

| Method Code                      | Description                      |
|----------------------------------|----------------------------------|
| ELECTROFISHING: BACKPACK SHOCKER | ELECTROFISHING: BACKPACK SHOCKER |

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| Method Code  | Description  |
|--|--|
| ELECTROFISHING: MULTIPLE GEAR TYPES                  | Electrofishing: Multiple Gear Types                  |
| ELECTROFISHING: MULTIPLE GEAR TYPES                  | Electrofishing: Multiple Gear Types                  |
| KICKNET SAMPLING - MACROINVERTEBRATE DATA COLLECTION | Kicknet Sampling - Macroinvertebrate Data Collection |
| GRAB SAMPLE  | Water Grab Sample (2005) Guidelines and Procedures   |

### Fieldwork Events

| Start Date       | Status   | Field ID | Station ID | Station Name  |
|------------------|----------|----------|------------|---|
| 05/16/2014 10:00 | COMPLETE | NA       | 10040127   | Indian Creek 20m US of STH 60                                     |
| 05/16/2014 10:30 | COMPLETE | NA       | 10040719   | Unnamed Trib. (WBIC= 1219300) to WI. R. US 10 m of N. Prairie Rd. |
| 05/19/2014 09:45 | COMPLETE | NA       | 10040127   | Indian Creek 20m US of STH 60                                     |
| 05/22/2014 11:40 | COMPLETE | UNTRIB1  | 10040719   | Unnamed Trib. (WBIC= 1219300) to WI. R. US 10 m of N. Prairie Rd. |
| 06/02/2014 17:00 | COMPLETE |          | 10040719   | Unnamed Trib. (WBIC= 1219300) to WI. R. US 10 m of N. Prairie Rd. |
| 06/02/2014 17:00 | COMPLETE |          | 10040182   | Indian Creek 120m DS of CTH OO 2nd Bridge                         |
| 06/05/2014       | COMPLETE |          | 10040182   | Indian Creek 120m DS of CTH OO 2nd Bridge                         |
| 06/05/2014 12:20 | COMPLETE |          | 10040127   | Indian Creek 20m US of STH 60                                     |
| 06/16/2014 10:00 | COMPLETE |          | 10040127   | Indian Creek 20m US of STH 60                                     |
| 06/16/2014 10:30 | COMPLETE |          | 10040719   | Unnamed Trib. (WBIC= 1219300) to WI. R. US 10 m of N. Prairie Rd. |
| 08/18/2014 09:00 | COMPLETE | NA       | 10040127   | Indian Creek 20m US of STH 60                                     |
| 08/18/2014 09:00 | COMPLETE | NA       | 10040719   | Unnamed Trib. (WBIC= 1219300) to WI. R. US 10 m of N. Prairie Rd. |
| 09/15/2014 09:30 | COMPLETE | NA       | 10040719   | Unnamed Trib. (WBIC= 1219300) to WI. R. US 10 m of N. Prairie Rd. |
| 09/15/2014 09:30 | COMPLETE | NA       | 10040127   | Indian Creek 20m US of STH 60                                     |
| 10/21/2014 09:00 | COMPLETE | NA       | 10040719   | Unnamed Trib. (WBIC= 1219300) to WI. R. US 10 m of N. Prairie Rd. |
| 10/21/2014 09:30 | COMPLETE | NA       | 10040127   | Indian Creek 20m US of STH 60                                     |

### Documents

| Title  | Description  | Author           | Published  | Comments |
|--|--|------------------|------------|----------|
| 2014 Total Phosphorus Monitoring Report - Indian Cr. 20 m US of STH 60 | The Indian Creek Watershed Study was a continuation of a DNR watershed study started in 2013. Monitoring from 2013 showed qualitative habitat indices for Indian Creek in poor condition as well as for an unnamed tributary to Indian Creek. Both streams have connected ponds on tributaries, and all other tributaries are now grassed waterways with intermittent flow. Continued monitoring in 2014 was conducted to determine if the streams are impaired, and for watershed planning. | Lindsey Albright | 02/04/2015 |          |

### Budget

## Wisconsin Department of Natural Resources SWIMS Project Summary

**Budget Description:**Jan-June 2014 **Start Date:** **End Date:**

| Code         | Description                       | Quantity | Units | Unit Cost | Total Cost      | Comments                      |
|--------------|-----------------------------------|----------|-------|-----------|-----------------|-------------------------------|
| FTE          | FTE Hours                         | 20       | Hours | \$0.00    | \$0.00          |                               |
| LTE SAL      | LTE Salary                        | 16       | Hours | \$13.00   | \$208.00        | 2 interns from UW-Platteville |
| LTE FR       | LTE Fringe                        |          |       |           | \$51.38         |                               |
| LTE IND      | LTE Indirect                      |          |       |           | \$41.94         |                               |
| LTE TOT      | LTE Total Cost                    |          |       |           | \$301.32        |                               |
| SUPPLY       | Supplies                          | 2        |       | \$10.00   | \$20.00         | Shipping SLOH samples         |
| EQUIP        | Equipment                         |          |       |           | \$0.00          |                               |
| MILEAGE      | Mileage                           | 120      | Miles | \$0.72    | \$86.40         |                               |
| MEAL         | Meals                             | 3        | Meals | \$4.00    | \$12.00         | packed lunches                |
| LODGE        | Lodging                           |          |       |           | \$0.00          |                               |
| TRAVEL       | Travel Total                      |          |       |           | \$98.40         |                               |
| BUG          | Bug Contracts                     |          |       |           | \$0.00          |                               |
| OTHER        | Other Contracts                   |          |       |           | \$0.00          |                               |
| USGS         | USGS Costs                        |          |       |           | \$0.00          |                               |
| <b>TOTAL</b> | <b>Total Cost (excludes SLOH)</b> |          |       |           | <b>\$419.72</b> |                               |

| Test Code                    | Description | Test Group | # Planned | Unit Cost | Total Cost |
|------------------------------|-------------|------------|-----------|-----------|------------|
| <b>Total SLOH Lab Costs:</b> |             |            |           | \$0.00    |            |
| <b>Total Budget:</b>         |             |            |           | \$419.72  |            |

**Budget Description:**July-Dec 2014 **Start Date:** **End Date:**

| Code         | Description                       | Quantity | Units | Unit Cost | Total Cost        | Comments              |
|--------------|-----------------------------------|----------|-------|-----------|-------------------|-----------------------|
| FTE          | FTE Hours                         | 60       | Hours | \$0.00    | \$0.00            |                       |
| LTE SAL      | LTE Salary                        | 48       | Hours | \$13.00   | \$624.00          | Interns from UWP      |
| LTE FR       | LTE Fringe                        |          |       |           | \$154.13          |                       |
| LTE IND      | LTE Indirect                      |          |       |           | \$125.82          |                       |
| LTE TOT      | LTE Total Cost                    |          |       |           | \$903.95          |                       |
| SUPPLY       | Supplies                          | 4        |       | \$10.00   | \$40.00           | Shipping SLOH samples |
| EQUIP        | Equipment                         |          |       |           | \$0.00            |                       |
| MILEAGE      | Mileage                           | 250      | Miles | \$0.72    | \$180.00          |                       |
| MEAL         | Meals                             | 8        | Meals | \$4.00    | \$32.00           |                       |
| LODGE        | Lodging                           |          |       |           | \$0.00            |                       |
| TRAVEL       | Travel Total                      |          |       |           | \$212.00          |                       |
| BUG          | Bug Contracts                     |          |       |           | \$0.00            |                       |
| OTHER        | Other Contracts                   |          |       |           | \$0.00            |                       |
| USGS         | USGS Costs                        |          |       |           | \$0.00            |                       |
| <b>TOTAL</b> | <b>Total Cost (excludes SLOH)</b> |          |       |           | <b>\$1,155.95</b> |                       |

| Test Code                    | Description | Test Group | # Planned | Unit Cost  | Total Cost |
|------------------------------|-------------|------------|-----------|------------|------------|
| <b>Total SLOH Lab Costs:</b> |             |            |           | \$0.00     |            |
| <b>Total Budget:</b>         |             |            |           | \$1,155.95 |            |

## Wisconsin Department of Natural Resources SWIMS Project Summary

**Combined Budgets:** \$1,575.67  
**Combined SLOH:** \$0.00  
**Combined Total:** \$1,575.67

### Funding

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