

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

| | |
|----------------------|--|
| Project ID: | North_TWA_1_2014 |
| Name: | Wood River, Barrett Creek, Crex Meadows TWA, Burnett County |
| Type: | Targeted Watershed Approach |
| Subtype: | Evaluation (TP SSC, Stressor, Bioassess) |
| Status: | COMPLETE |
| Start Date: | 1/1/2014 |
| End Date: | 12/31/2014 |
| Purpose: | A monitoring project conducted at Crex Meadows Wildlife Area in 2014 assessed the distribution and transport of iron on the landscape. This project included monitoring of soils, streams, flowages, springs, and sediment. Existing data on groundwater was reviewed. Biological communities in streams were also assessed. Fish communities were surveyed at 28 sites and macroinvertebrate communities were sampled at 14 sites. |
| Objective: | <p>Read the https://dnr.wi.gov/water/wsSWIMSDocument.ashx?documentSeqNo=221340030 Wood River-Barrett Creek-Crex Meadows TWA Water Quality Plan [print version]</p> <p>This is a targeted watershed assessment (TWA) that will use the standard, documented monitoring protocols attached to this project and organized and maintained by central office staff. The targeted watershed assessment study design may include ambient condition analysis, evaluation monitoring, assessment of best management practices, or data gathering for site specific criteria, as needed. The specific "subtype" purpose of this study involves documentation of ambient water condition. Water chemistry and bug sample results are entered into SWIMS. Fish and habitat data will be entered into the FH data base. Eight (8) sites will be assessed with 2 to 6 visits per site. Sites were determined a spring reconnaissance survey.</p> |
| Comments: | HUC12 070300050104 |
| Outcome: | DNR prepared a https://dnr.wi.gov/water/wsSWIMSDocument.ashx?documentSeqNo=126904251 Crex Meadows Wildlife Area Water Quality Assessment in 2016 and in 2020, Craig Roesler created a https://dnr.wi.gov/water/wsSWIMSDocument.ashx?documentSeqNo=221340030 The Wood River-Barrett Creek-Crex Meadows TWA Water Quality Plan that specifies recommendations and actions that may be needed to protect, restore or repair water quality issues. |
| Study Design: | Standard stream protocols will be used. Eight (8) sites will be assessed with 2 to 6 visits per site. Twenty-four sites with flowing surface water were monitored (figure 6). Three primary stream monitoring sites (Hay, Whiskey, and "North Fork" Creeks) were the most intensely monitored, since they conduct most of the surface drainage flowing southward out of CMWA. Six secondary sites that included both streams and flowage outlets were monitored on 29-32 dates. An additional 15 sites that included 9 streams, 4 springs, and 2 ditches were infrequently monitored. |
| QA Measures: | Standard DNR and SLOH protocols will be followed. |

People

| Name | Role | Status | Start Date | End Date | Organization | Comments |
|----------------------|--------------|----------|------------|------------|---------------|----------|
| CUNNINGHAM, JOSEPH L | COORDINATOR | COMPLETE | 1/1/2014 | 12/31/2014 | Wisconsin DNR | |
| HAGEN, CHERIE L | SUPERVISOR | COMPLETE | 1/1/2014 | 12/31/2014 | Wisconsin DNR | |
| Helmuth, Lisa D | COORDINATOR | INACTIVE | 11/23/2019 | 12/28/2022 | Wisconsin DNR | |
| Perdzock, Amanda R | COORDINATOR | COMPLETE | 4/4/2018 | | Wisconsin DNR | |
| Roesler, Craig P | PROJECT_LEAD | COMPLETE | 1/1/2014 | 12/31/2014 | Wisconsin DNR | |

Project Statuses

5/9/2024

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| Date | Reported By | Status | Comments |
|------------|---------------|----------------------------|---|
| 11/25/2014 | Craig Roesler | Progress: 75-100% Complete | Field work completed. Results will be contained in the Crex Meadows Water Quality Assessment report. That preliminary report will be completed prior to spring 2015. The final report will be completed when macroinvertebrate sample results are received from UW Stevens Point. |
| 12/15/2015 | Lisa Helmuth | Progress: 75-100% Complete | North_TWA_1_2014 Results will be contained in the Crex Meadows Water Quality Assessment report. That preliminary report will be completed prior to spring 2015. The final report will be completed when macroinvertebrate sample results are received from UW Stevens Point. |
| 3/16/2020 | Lisa Helmuth | Public Comment Period | |

Project Status Detail

Answer Set: DEFAULT

Question

Answer

1. Number of Sample Sites (Enter the station IDs if you know them).
2. Number of Sample Events (Indicate how many trips into the field you anticipate for this project).
3. Proposed Dates for Sample Collection
4. List applicable databases and who will enter data?
5. Did you receive competitive projects funding in the previous year?
6. If yes to question 5, did you complete the projects including data entry and reports as necessary? If not, why not?
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 Date | End Date | Status |
|---------------------------------------|---|------------|------------|----------|
| Monitor Targeted Watershed Area (TWA) | Hay Creek-Wood River [HUC12] This is a targeted watershed assessment (TWA) that will use the standard protocols provided by central office staff. 2642900 2643000 2643000 2646600 2646600 5004271 | 1/1/2014 | 12/31/2014 | COMPLETE |
| Monitor Water Quality or Sediment | Hay Creek Monitoring 2643000 | 1/1/2014 | 12/31/2014 | COMPLETE |

Monitoring Stations

| Station ID | Name | Comments |
|------------|-------------------------------------|----------|
| 10042555 | Hay Creek 170m DS STH 70 | |
| 10042459 | Hay Creek 177 m DS Benson Rd | |
| 10042528 | Hay Creek 20 m US Borg Rd. | |
| 10042428 | Unnamed Tributary 155 m DS North Rd | |

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|----------|---|--|
| 10042530 | Unnamed ditch at CTH F | |
| 10037789 | Whiskey Creek 110m DS CTH D | |
| 10042529 | Whiskey Creek 192m DS Whiskey Creek Flowage | |
| 073030 | Wood River At West River Road (1 Mi Above St Croix R) | |
| 073029 | Wood River at Hwy 70, East Crossing | |
| 073106 | Wood River at North Williams Rd Near Grantsburg WI | |
| 10029120 | Wood River-upstrm. Crosstown Rd | |

Assessment Units

| WBIC | Segment | Local Name | Official Name |
|---------|---------|----------------|---------------|
| 2642900 | 1 | Wood River | Wood River |
| 2643000 | 1 | Hay Creek | Hay Creek |
| 2643000 | 2 | Hay Creek | Hay Creek |
| 2646600 | 1 | Whiskey Creek | Whiskey Creek |
| 2650000 | 1 | Unnamed Stream | Unnamed |
| 5004271 | 1 | Local Water | Unnamed |

Lab Account Codes

| Account Code | Description | Start Date | End Date |
|--------------|--------------------------------|------------|------------|
| WQ002 | TARGETED WATERSHED ASSESSMENTS | 3/26/2014 | 12/31/2099 |

Forms

| Form Code | Form Name |
|----------------------|---|
| CONTINUOUS | Continuous Data Upload |
| INORGANIC | Inorganic Lab - Field Data |
| CBSM-TEST | Macroinvertebrate Field Data |
| MACROINVERT_BASIC | Macroinvertebrate Survey Basic Form |
| EPA ASSESSMENT PILOT | WT-2011-1 Field Data |
| WADEABLE_MACRO_FIELD | Wadeable Macroinvertebrate Field & Habitat Data |

Methods

| Method Code | Method Description |
|---|--|
| MACROINVERTEBRATE BASELINE PROTOCOLS | Macroinvertebrate Baseline D-frame Kick Net 2004 |
| MULTIPLE METHODS | Multiple Methods 1960 |
| NUTRIENT SAMPLING STREAMS 2015 | Nutrient Sampling SOPs (3.2) WQ Monitoring 2015 |
| GRAB SAMPLE | Water Grab Sample Guidelines and Procedures 2005 |

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Fieldwork Events

| Start Date | Status | Field ID | Station ID | Station Name |
|------------------|----------|----------------------|------------|---|
| 5/23/2014 11:10 | COMPLETE | NA | 073030 | Wood River At West River Road (1 Mi Above St Croix R) |
| 6/23/2014 20:00 | COMPLETE | WOOD RIVER AT WEST R | 073030 | Wood River At West River Road (1 Mi Above St Croix R) |
| 7/9/2014 10:00 | COMPLETE | UNC-1 | 10042428 | Unnamed Tributary 155 m DS North Rd |
| 7/17/2014 10:00 | COMPLETE | WH-3 | 10037789 | Whiskey Creek 110m DS CTH D |
| 7/25/2014 14:00 | COMPLETE | HAB-1 | 10042459 | Hay Creek 177 m DS Benson Rd |
| 7/28/2014 10:00 | COMPLETE | FD-1 | 10042530 | Unnamed ditch at CTH F |
| 7/29/2014 19:40 | COMPLETE | NA | 073030 | Wood River At West River Road (1 Mi Above St Croix R) |
| 7/31/2014 10:00 | COMPLETE | HABO-4 | 10042528 | Hay Creek 20 m US Borg Rd. |
| 7/31/2014 14:00 | COMPLETE | WHU-5 | 10042529 | Whiskey Creek 192m DS Whiskey Creek Flowage |
| 8/8/2014 9:00 | COMPLETE | WO-2 | 073029 | Wood River at Hwy 70, East Crossing |
| 8/8/2014 13:00 | COMPLETE | HA-3 | 10042555 | Hay Creek 170m DS STH 70 |
| 8/26/2014 12:35 | COMPLETE | NA | 073030 | Wood River At West River Road (1 Mi Above St Croix R) |
| 8/28/2014 10:00 | COMPLETE | WO-1 | 073106 | Wood River at North Williams Rd Near Grantsburg WI |
| 9/24/2014 14:55 | COMPLETE | NA | 073030 | Wood River At West River Road (1 Mi Above St Croix R) |
| 10/9/2014 10:00 | COMPLETE | 20141009-07-01 | 073030 | Wood River At West River Road (1 Mi Above St Croix R) |
| 10/9/2014 10:00 | COMPLETE | 20141009-07-02 | 10042528 | Hay Creek 20 m US Borg Rd. |
| 10/9/2014 11:00 | COMPLETE | 20141009-07-03 | 10037789 | Whiskey Creek 110m DS CTH D |
| 10/15/2014 10:00 | COMPLETE | 20141015-07-04 | 073029 | Wood River at Hwy 70, East Crossing |
| 10/15/2014 10:00 | COMPLETE | 20141015-07-05 | 10029120 | Wood River-upstrm. Crosstown Rd |
| 10/21/2014 15:04 | COMPLETE | WOOD RIVER @ RIVER R | 073030 | Wood River At West River Road (1 Mi Above St Croix R) |
| 10/24/2014 10:00 | COMPLETE | 20141024-07-01 | 073106 | Wood River at North Williams Rd Near Grantsburg WI |
| 10/24/2014 10:00 | COMPLETE | 20141024-07-02 | 10042428 | Unnamed Tributary 155 m DS North Rd |

Documents

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| Title | Description | Author | Published | Comments |
|---|---|--|------------|----------|
| 2014 Total Phosphorus Monitoring Report - Wood River @ W River Rd | This Targeted Watershed Assessment (TWA) will address needs for baseline water quality monitoring of the Lower Wood River watershed. Several stream sites were monitored and the field data collected during each visit was used to flag problem waters. In 2014, Water Action Volunteers stream monitors who live in Lower Wood River watershed were asked to assist in the monitoring process by collecting water samples. The targeted watershed assessment will hopefully provide enough information to add to existing recent data in order to evaluate the watershed for total phosphorus levels. | Lindsey Albright | 2/4/2015 | |
| Crex Meadows Wildlife Area Water Quality Assessment, 2016 | | Craig Roesler, Rachel Peacher, Tim Parks | 2/26/2016 | |
| Hay Creek DS Benson Road Photo [2643000] | Hay Creek DS Benson Road Photo [2643000] | | 6/1/2014 | |
| Hay Creek-Wood River [HUC12] TWA Project Details | Hay Creek-Wood River [HUC12] TWA Project Details | Helmuth, Lisa | 12/17/2015 | |
| Wood River-Barrett Creek-Crex Meadows Targeted Watershed Assessment: A Water Quality Plan to Protect Wisconsin Watersheds | Hay Creek, Barrett River, Crex Meadows TWA Draft (2020) | Roesler, Craig and Lisa Kosmond Helmuth | 3/23/2020 | |
| Wood River-Hwy 70 W of Grantsburg nc validation 2008 | | Helmuth, Lisa | 4/7/2018 | |

Budget

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

| Code | Description | Quantity | Units | Unit Cost | Total Cost | Comments |
|---------|----------------------------|----------|-------|-----------|------------|-----------------|
| FTE | FTE Hours | 30 | Hours | \$0.00 | \$0.00 | |
| LTE SAL | LTE Salary | 24 | Hours | \$13.00 | \$312.00 | |
| LTE FR | LTE Fringe | | | | \$77.06 | |
| LTE IND | LTE Indirect | | | | \$62.91 | |
| LTE TOT | LTE Total Cost | | | | \$451.98 | |
| SUPPLY | Supplies | 2 | | \$30.00 | \$60.00 | sample shipping |
| EQUIP | Equipment | | | | \$0.00 | |
| MILEAGE | Mileage | 600 | Miles | \$0.61 | \$366.00 | |
| MEAL | Meals | 6 | Meals | \$9.00 | \$54.00 | |
| LODGE | Lodging | | | | \$0.00 | |
| TRAVEL | Travel Total | | | | \$420.00 | |
| BUG | Bug Contracts | | | | \$0.00 | |
| OTHER | Other Contracts | | | | \$0.00 | |
| USGS | USGS Costs | | | | \$0.00 | |
| TOTAL | Total Cost (excludes SLOH) | | | | \$931.98 | |

Total WSLH Lab Costs: \$0.00
Total Budget: \$931.98

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| | | | | |
|------------------------------------|--|--|-------------|-----------|
| Budget Description: Jul - Dec 2014 | | | Start Date: | End Date: |
|------------------------------------|--|--|-------------|-----------|

| Code | Description | Quantity | Units | Unit Cost | Total Cost | Comments |
|---------|----------------------------|----------|-------|-----------|------------|-----------------|
| FTE | FTE Hours | 130 | Hours | \$0.00 | \$0.00 | |
| LTE SAL | LTE Salary | 110 | Hours | \$13.00 | \$1,430.00 | |
| LTE FR | LTE Fringe | | | | \$353.21 | |
| LTE IND | LTE Indirect | | | | \$288.35 | |
| LTE TOT | LTE Total Cost | | | | \$2,071.56 | |
| SUPPLY | Supplies | 4 | | \$30.00 | \$120.00 | sample shipping |
| EQUIP | Equipment | | | | \$0.00 | |
| MILEAGE | Mileage | 1800 | Miles | \$0.61 | \$1,098.00 | |
| MEAL | Meals | 9 | Meals | \$9.00 | \$81.00 | |
| LODGE | Lodging | | | | \$0.00 | |
| TRAVEL | Travel Total | | | | \$1,179.00 | |
| BUG | Bug Contracts | 8 | | \$180.00 | \$1,440.00 | |
| OTHER | Other Contracts | | | | \$0.00 | |
| USGS | USGS Costs | | | | \$0.00 | |
| TOTAL | Total Cost (excludes SLOH) | | | | \$4,810.56 | |

| | |
|-----------------------|------------|
| Total WSLH Lab Costs: | \$0.00 |
| Total Budget: | \$4,810.56 |
| Combined Budgets: | \$5,742.53 |
| Combined WSLH: | \$0.00 |
| Combined Total: | \$5,742.53 |

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