

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:	Read the Wood River-Barrett Creek-Crex Meadows TWA Water Quality Plan [print version] 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.
Comments:	HUC12 070300050104
Outcome:	DNR prepared a Crex Meadows Wildlife Area Water Quality Assessment in 2016 and in 2020, Craig Roesler created 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

7/27/2024

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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 Water Quality or Sediment	Hay Creek Monitoring 2643000	1/1/2014	12/31/2014	COMPLETE
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

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:
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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:
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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