

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: NER_03_CMP15

Name: Lower Peshtigo River Follow-up monitoring for general conditions assessment and impairment listing - NER_03_CMP1

Type: Competitive Projects

Subtype: Undetermined

Status: ACTIVE

Start Date: 05/01/2015

End Date: 06/30/2017

Purpose: This project will monitor and evaluate streams in the Lower Peshtigo River Watershed in Marinette and Oconto Counties. Just under 50% of the streams and rivers in this watershed have unknown fish and aquatic life conditions. Two hydropower dams exist on the Peshtigo River system in the watershed and use peaking operation. This watershed is situated in the southern portion of Marinette County and contains a significant amount of agriculture as compared to other watersheds in the County. The Trout and Bundy Creek sub-watershed are within the highly agriculturally dominate portion of the watershed and a significant amount of effort will be devoted to further evaluating conditions within this sub-watershed. The remainder of the watershed consists of agriculture, rural development, forests, wetland, and the urban community of Peshtigo. Basin assessment monitoring was recommended in historic watershed plan recommendations but has never been conducted. Marinette County is seeking to develop a 9-Key Element plan for a HUC-12 sub-watershed or the entire Lower Peshtigo River Watershed. The monitoring will help support and guide the development of the 9-Key Element plan by gathering baseline data and eliminating data gaps. The data will also be used to determine current and potential biological uses and evaluate stream conditions for possible future monitoring for 303(d) or ERW/ORW status, use of information for making management recommendations, updating waterbody and watershed narratives in WATERS and use in watershed planning.

Objective: Biological and habitat surveys were completed at 30 sites in 2014 throughout the Lower Peshtigo River watershed. Total Phosphorous samples were collected at 8 sites by Marinette County volunteers. Following assessment of data, 18 of the 30 sites indicated poor to "low" fair biological IBI rating for fish. 6 additional total phosphorous samples are needed on Trout Creek to verify if listing criteria for TP are met, narrow the confidence interval, and determine if the stream is a candidate for listing on the impaired waters list. Additional monthly TP monitoring will be collected on 7 sites to determine if TP listing criteria is met. The focus of the follow-up monitoring sites within the watershed will be contained within the agriculturally dominant portion of the watershed surrounding Trout and Bundy Creek and west of the Peshtigo Flowage.

Comments: This is a continuing project of NER_01_CMP14

Outcome: 6 monthly total phosphorous samples will be collected on Trout Creek, Bundy Creek, Sucker Brook, and 5 unnamed Tributaries to the Peshtigo River by a volunteer. District biologists will collect additional biological assessments at 18 stations throughout the watershed to verify biological impairments including 18 macroinvertebrate samples and fish surveys.

Study Design:

QA Measures:

People

Name	Role	Status	Start Date	End Date	Organization	Comments
ALBRIGHT, LINDSEY B	COORDINATOR	ACTIVE	04/24/2015		Wisconsin DNR	
Cleerman, Greg	TEAM_MEMBER	ACTIVE	05/01/2015	06/30/2017	Marinette County	
Hudak, Andrew J	COORDINATOR	ACTIVE	05/01/2015	06/30/2017	Wisconsin DNR	
PAPPAS, RYAN J	COORDINATOR	ACTIVE	05/01/2015	06/30/2017	Wisconsin DNR	
Stepenuck, Kris	COORDINATOR	ACTIVE	04/24/2015		UWEX	

Project Statuses

Date	Reported By	Status	Comments
01/28/2015	Andrew Hudak	Proposed	
11/16/2016	Andrew Hudak	Progress: 75-100% Complete	Field work and data entry complete. Final report has been drafted with an anticipated completion date of January 2017

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Project Status Detail

Answer Set: DEFAULT

Question	Answer
1. Number of Sample Sites (Enter the station IDs if you know them).	6 sites for fish and macro's 2 sites for monthly TP collection
2. Number of Sample Events (Indicate how many trips into the field you anticipate for this project).	4- Total 3 trips for fish 1 trip for macroinvertebrate collection
3. Proposed Dates for Sample Collection	Monthly TP samples to be collected between May-October by volunteer. Fish surveys will be completed in July and August and macroinvertebrates will be collected in October.
4. List applicable databases and who will enter data?	Hudak will enter all associated data into SWIMS and the Fish and Habitat database.
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?	All data collection and data entry has been completed. Final report will be completed following macro results.
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
Monitor Targeted Watershed Area (TWA)	Lower Peshtigo River TWA Year 2	*****	06/30/2017	IN_PROGRESS

Monitoring Stations

Station ID	Name	Comments
10016804	Bundy Creek - Town Line Road - East	
10042806	Bundy Creek 15m US Townline Rd	
10020596	Bundy Creek At Cth B (200 Ft. Down From)	
10042548	Bundy Creek US Town Hall Road E of Hartwig Road	
10021853	Little River at Krause Road	
10043930	Peshtigo River 10 meters US Left Foot Creek inlet	
10043890	Peshtigo River 40 meters US HWY W	
10043983	Peterman Brook 215 Meters DS Riverview Road	
10042807	Sucker Brook 180m ds Aubin St	
10042944	Sucker Brook 2m US Farm Road Crossing adjacent to CTH E	
10016931	Trout Creek - Townline Road	
10043555	Trout Creek US Jandt Road	
10041617	UN Trib to Lake Michigan ds Spitzmacher Rd	
10042825	UN Trib to Peshtigo River 30m US CTH B	
10042724	UNT to Lake Michigan 10m us CTH BB	
10042720	UNT to Peshtigo River 30 us River Dr.	
10042808	Unnamed Trib to Peshtigo R 30m US CTH BB	
10042310	Unnamed Trib to Peshtigo River 130m DS STH 64	
10042940	Unnamed Trib to Peshtigo River 165m DS Snowmobile Trail Crossing	
10042936	Unnamed Trib to Trout Creek 130m ds Aubin St	

Assessment Units

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WBIC	Segment	Local Name	Official Name
498000	1	Unnamed Trib to Lake Michigan	Unnamed
515500	1	Peshtigo River	Peshtigo River
515900	1	Trout Creek	Trout Creek
516000	1	Sucker Brook	Sucker Brook
516100	1	Bundy Creek	Bundy Creek
525400	2	Peterman Brook	Peterman Brook
583200	1	Little River	Little River
3000624	1	Unnamed Ditch to Lk Michigan	Unnamed
5008962	1	Unnamed Trib to Trout Cr	Unnamed

Lab Account Codes

Account Code	Description	Start Date	End Date
WQ015	LOCAL NEEDS PROJECTS	04/22/2015	06/30/2017

Forms

Form Code	Form Name
AIS_EDD_2013	AIS Early Detection Monitoring Form (R 06/2013)
VOL_RIVER	Citizen-Based Stream Monitoring
CONTINUOUS	Continuous Data Upload
STREAM_MON	Stream Monitoring (Temp, DO, Trans, Flow)
WADEABLE_MACRO_F	Wadeable Macroinvertebrate Field & Habitat Data

Methods

Method Code	Description
AIS_MON_CLMN_2011	Aquatic Invasive Species Monitoring Procedures (2011)
AIS_STREAMS_2015	Aquatic Invasive Species Monitoring in Streams
ELECTROFISHING: BACKPACK SHOCKER	ELECTROFISHING: BACKPACK SHOCKER
ELECTROFISHING: STREAM SHOCKER	ELECTROFISHING: STREAM SHOCKER
SP-004	Electroshock Fish Survey Procedure
HABITAT SURVEY BASELINE PROTOCOLS	Habitat Baseline Survey Quantitative 2004
MACROINVERTEBRATE BASELINE PROTOCOLS	Macroinvertebrate Baseline Protocols 2004 D-frame Kick Net
DNR-FPM-SONDES2006	Multi-Parameter Field Data - 2006 Sondes Guidelines
WAV STREAM MONITORING PROTOCOLS	Water Action Volunteers (WAV) Stream Monitoring Protocols
GRAB SAMPLE	Water Grab Sample (2005) Guidelines and Procedures

Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
05/16/2015 12:30	COMPLETE	BC1	10042548	Bundy Creek US Town Hall Road E of Hartwig Road
05/16/2015 13:38	COMPLETE	UTPC1	10042808	Unnamed Trib to Peshtigo R 30m US CTH BB
05/19/2015	COMPLETE	TCA1	10043555	Trout Creek US Jandt Road
05/19/2015	COMPLETE	UTPB1	10042825	UN Trib to Peshtigo River 30m US CTH B
05/19/2015 12:00	COMPLETE	UTPA1	10042720	UNT to Peshtigo River 30 us River Dr.
05/19/2015 12:42	COMPLETE	TCB1	10016931	Trout Creek - Townline Road
05/19/2015 13:08	COMPLETE	UTTC 1	10042936	Unnamed Trib to Trout Creek 130m ds Aubin St

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Start Date	Status	Field ID	Station ID	Station Name
05/19/2015 13:14	COMPLETE	SB1	10042807	Sucker Brook 180m ds Aubin St
06/16/2015 11:36	COMPLETE	UTPB2	10042825	UN Trib to Peshtigo River 30m US CTH B
06/16/2015 11:54	COMPLETE	UTPC2	10042808	Unnamed Trib to Peshtigo R 30m US CTH BB
06/16/2015 12:06	COMPLETE	SB2	10042807	Sucker Brook 180m ds Aubin St
06/16/2015 12:15	COMPLETE	UTTC1	10042936	Unnamed Trib to Trout Creek 130m ds Aubin St
06/16/2015 12:22	COMPLETE	TCB2	10016931	Trout Creek - Townline Road
06/16/2015 12:29	COMPLETE	TCA2	10043555	Trout Creek US Jandt Road
06/16/2015 12:40	COMPLETE	BC2	10042548	Bundy Creek US Town Hall Road E of Hartwig Road
06/16/2015 13:28	COMPLETE	UTPA2	10042720	UNT to Peshtigo River 30 us River Dr.
07/21/2015 08:40	COMPLETE	UTPA3	10042720	UNT to Peshtigo River 30 us River Dr.
07/21/2015 09:25	COMPLETE	BC3	10042548	Bundy Creek US Town Hall Road E of Hartwig Road
07/21/2015 09:33	COMPLETE	TCA3	10043555	Trout Creek US Jandt Road
07/21/2015 09:45	COMPLETE	TCB3	10016931	Trout Creek - Townline Road
07/21/2015 09:51	COMPLETE	UTTC3	10042936	Unnamed Trib to Trout Creek 130m ds Aubin St
07/21/2015 09:59	COMPLETE	SB3	10042807	Sucker Brook 180m ds Aubin St
07/21/2015 10:08	COMPLETE	UTPB3	10042825	UN Trib to Peshtigo River 30m US CTH B
07/21/2015 10:16	COMPLETE	UTPC3	10042808	Unnamed Trib to Peshtigo R 30m US CTH BB
08/18/2015 08:45	COMPLETE	UTPA4	10042720	UNT to Peshtigo River 30 us River Dr.
08/18/2015 09:20	COMPLETE	BC4	10042548	Bundy Creek US Town Hall Road E of Hartwig Road
08/18/2015 09:30	COMPLETE	TCA4	10043555	Trout Creek US Jandt Road
08/18/2015 09:39	COMPLETE	TCB4	10016931	Trout Creek - Townline Road
08/18/2015 09:44	COMPLETE	UTTC4	10042936	Unnamed Trib to Trout Creek 130m ds Aubin St
08/18/2015 09:50	COMPLETE	SB4	10042807	Sucker Brook 180m ds Aubin St
08/18/2015 09:57	COMPLETE	UTPB4	10042825	UN Trib to Peshtigo River 30m US CTH B
08/18/2015 10:03	COMPLETE	UTPC4	10042808	Unnamed Trib to Peshtigo R 30m US CTH BB
09/09/2015	COMPLETE		10042808	Unnamed Trib to Peshtigo R 30m US CTH BB
09/09/2015	COMPLETE		10042720	UNT to Peshtigo River 30 us River Dr.
09/09/2015	COMPLETE		10043555	Trout Creek US Jandt Road
09/09/2015	COMPLETE		10043983	Peterman Brook 215 Meters DS Riverview Road
09/09/2015	COMPLETE		10020596	Bundy Creek At Cth B (200 Ft. Down From)
09/14/2015	COMPLETE		10041617	UN Trib to Lake Michigan ds Spitzmacher Rd
09/14/2015	COMPLETE		10042807	Sucker Brook 180m ds Aubin St
09/14/2015	COMPLETE		10042825	UN Trib to Peshtigo River 30m US CTH B
09/14/2015	COMPLETE		10042548	Bundy Creek US Town Hall Road E of Hartwig Road
09/14/2015	COMPLETE		10042936	Unnamed Trib to Trout Creek 130m ds Aubin St
09/14/2015	COMPLETE		10016931	Trout Creek - Townline Road
09/14/2015	COMPLETE		10042724	UNT to Lake Michigan 10m us CTH BB
09/21/2015 11:20	COMPLETE	UTPA5	10042720	UNT to Peshtigo River 30 us River Dr.
09/21/2015 11:36	COMPLETE	BC5	10042548	Bundy Creek US Town Hall Road E of Hartwig Road
09/21/2015 11:47	COMPLETE	TCA5	10043555	Trout Creek US Jandt Road
09/21/2015 11:56	COMPLETE	TCB5	10016931	Trout Creek - Townline Road
09/21/2015 12:04	COMPLETE	UTTC5	10042936	Unnamed Trib to Trout Creek 130m ds Aubin St
09/21/2015 12:10	COMPLETE	SB5	10042807	Sucker Brook 180m ds Aubin St
09/21/2015 12:21	COMPLETE	UTPB5	10042825	UN Trib to Peshtigo River 30m US CTH B
09/21/2015 12:28	COMPLETE	UTPC5	10042808	Unnamed Trib to Peshtigo R 30m US CTH BB
10/14/2015 11:49	COMPLETE	UTPA6	10042720	UNT to Peshtigo River 30 us River Dr.
10/14/2015 12:29	COMPLETE	BC6	10042548	Bundy Creek US Town Hall Road E of Hartwig Road
10/14/2015 12:37	COMPLETE	TCA6	10043555	Trout Creek US Jandt Road

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Start Date	Status	Field ID	Station ID	Station Name
10/14/2015 12:44	COMPLETE	TCB6	10016931	Trout Creek - Townline Road
10/14/2015 12:52	COMPLETE	UTTC6	10042936	Unnamed Trib to Trout Creek 130m ds Aubin St
10/22/2015 09:07	COMPLETE	SB6	10042807	Sucker Brook 180m ds Aubin St
10/22/2015 09:27	COMPLETE	UTPB6	10042825	UN Trib to Peshtigo River 30m US CTH B
10/22/2015 09:29	COMPLETE	UTPC6	10042808	Unnamed Trib to Peshtigo R 30m US CTH BB

Documents

Title	Description	Author	Published	Comments
2015 Total Phosphorus Monitoring Report - Bundy Creek US Town Hall Road E of Hartwig Road	As part of this project, Water Action Volunteers stream monitors collected water samples in streams in the Lower Peshtigo River watershed in Marinette and Oconto Counties. Basin assessment monitoring was recommended in historic watershed plan recommendations, but has never been conducted. Marinette County is seeking to develop a 9-Key Element plan for a HUC-12 sub-watershed or the entire Lower Peshtigo River watershed. This monitoring will help support and guide the development of the 9-Key Element plan by gathering baseline data and eliminating data gaps.	Lindsey Albright and Ilana Haimes	12/22/2015	
2015 Total Phosphorus Monitoring Report - Sucker Creek @ Aubin St. .61 MI East of Poplar Ridge	As part of this project, Water Action Volunteers stream monitors collected water samples in streams in the Lower Peshtigo River watershed in Marinette and Oconto Counties. Basin assessment monitoring was recommended in historic watershed plan recommendations, but has never been conducted. Marinette County is seeking to develop a 9-Key Element plan for a HUC-12 sub-watershed or the entire Lower Peshtigo River watershed. This monitoring will help support and guide the development of the 9-Key Element plan by gathering baseline data and eliminating data gaps.	Lindsey Albright and Ilana Haimes	01/05/2016	
2015 Total Phosphorus Monitoring Report - Trout Creek - Poplar Ridge Road (formerly Townline) just north of County Highway B	As part of this project, Water Action Volunteers stream monitors collected water samples in streams in the Lower Peshtigo River watershed in Marinette and Oconto Counties. Basin assessment monitoring was recommended in historic watershed plan recommendations, but has never been conducted. Marinette County is seeking to develop a 9-Key Element plan for a HUC-12 sub-watershed or	Lindsey Albright and Ilana Haimes	12/22/2015	

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Title	Description	Author	Published	Comments
	the entire Lower Peshtigo River watershed. This monitoring will help support and guide the development of the 9-Key Element plan by gathering baseline data and eliminating data gaps.			
2015 Total Phosphorus Monitoring Report - Trout Creek US @ Jandt Road	As part of this project, Water Action Volunteers stream monitors collected water samples in streams in the Lower Peshtigo River watershed in Marinette and Oconto Counties. Basin assessment monitoring was recommended in historic watershed plan recommendations, but has never been conducted. Marinette County is seeking to develop a 9-Key Element plan for a HUC-12 sub-watershed or the entire Lower Peshtigo River watershed. This monitoring will help support and guide the development of the 9-Key Element plan by gathering baseline data and eliminating data gaps.	Lindsey Albright and Ilana Haimes	12/22/2015	
2015 Total Phosphorus Monitoring Report - UNT to Peshtigo R At Cth B	As part of this project, Water Action Volunteers stream monitors collected water samples in streams in the Lower Peshtigo River watershed in Marinette and Oconto Counties. Basin assessment monitoring was recommended in historic watershed plan recommendations, but has never been conducted. Marinette County is seeking to develop a 9-Key Element plan for a HUC-12 sub-watershed or the entire Lower Peshtigo River watershed. This monitoring will help support and guide the development of the 9-Key Element plan by gathering baseline data and eliminating data gaps.	Lindsey Albright and Ilana Haimes	12/22/2015	
2015 Total Phosphorus Monitoring Report - UNT to Peshtigo R. on CTYBB between Kingston and Peterson RDs	As part of this project, Water Action Volunteers stream monitors collected water samples in streams in the Lower Peshtigo River watershed in Marinette and Oconto Counties. Basin assessment monitoring was recommended in historic watershed plan recommendations, but has never been conducted. Marinette County is seeking to develop a 9-Key Element plan for a HUC-12 sub-watershed or the entire Lower Peshtigo River watershed. This monitoring will help support and guide the development of	Lindsey Albright and Ilana Haimes	12/22/2015	

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Title	Description	Author	Published	Comments
	the 9-Key Element plan by gathering baseline data and eliminating data gaps.			
2015 Total Phosphorus Monitoring Report - UNT to Trout Creek 130m ds Aubin St (.24 MI east of Poplar Ridge (formerly Townline Rd))	As part of this project, Water Action Volunteers stream monitors collected water samples in streams in the Lower Peshtigo River watershed in Marinette and Oconto Counties. Basin assessment monitoring was recommended in historic watershed plan recommendations, but has never been conducted. Marinette County is seeking to develop a 9-Key Element plan for a HUC-12 sub-watershed or the entire Lower Peshtigo River watershed. This monitoring will help support and guide the development of the 9-Key Element plan by gathering baseline data and eliminating data gaps.	Lindsey Albright and Ilana Haimes	12/22/2015	
2015 Total Phosphorus Monitoring Report - Unnamed Trib to Peshtigo River at River Road	As part of this project, Water Action Volunteers stream monitors collected water samples in streams in the Lower Peshtigo River watershed in Marinette and Oconto Counties. Basin assessment monitoring was recommended in historic watershed plan recommendations, but has never been conducted. Marinette County is seeking to develop a 9-Key Element plan for a HUC-12 sub-watershed or the entire Lower Peshtigo River watershed. This monitoring will help support and guide the development of the 9-Key Element plan by gathering baseline data and eliminating data gaps.	Lindsey Albright and Ilana Haimes	12/23/2015	
NER_03_CMP15 status 10142016	NER_03_CMP15 status 10 14 2016	SWIMS Reports	10/14/2016	
Sucker Brook at CTH E Purple Loosestrife	purple loosestrife observed	pappas	01/01/2015	AIS
Trout Creek at Jandt Road		pappas	01/01/2015	
Trout Creek at Poplar Ridge Road		pappas	01/01/2015	
Trout Creek at Poplar Ridge Road Purple Loosestrife	Purple Loosestrife Observed	pappas	01/01/2015	AIS

Budget

Budget Description: FY2016

Start Date: 07/01/2015

End Date: 06/30/2016

Code	Description	Quantity	Units	Unit Cost	Total Cost	Comments
FTE	FTE Hours	160	Hours	\$0.00	\$0.00	
LTE SAL	LTE Salary	100	Hours	\$13.00	\$1,300.00	

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Code	Description	Quantity	Units	Unit Cost	Total Cost	Comments
LTE FR	LTE Fringe				\$321.10	
LTE IND	LTE Indirect				\$262.13	
LTE TOT	LTE Total Cost				\$1,883.23	
SUPPLY	Supplies	6		\$25.00	\$150.00	Shipping
EQUIP	Equipment				\$0.00	
MILEAGE	Mileage	700	Miles	\$0.72	\$504.00	
MEAL	Meals	24	Meals	\$10.00	\$240.00	
LODGE	Lodging				\$0.00	
TRAVEL	Travel Total				\$744.00	
BUG	Bug Contracts	12		\$185.00	\$2,220.00	
OTHER	Other Contracts				\$0.00	
USGS	USGS Costs				\$0.00	
TOTAL	Total Cost (excludes SLOH)				\$4,997.23	

Test Code	Description	Test Group	# Planned	Unit Cost	Total Cost
Total SLOH Lab Costs:				\$0.00	
Total Budget:				\$4,997.23	

Budget Description: FY2017 **Start Date:** 07/01/2016 **End Date:** 06/30/2017

Code	Description	Quantity	Units	Unit Cost	Total Cost	Comments
FTE	FTE Hours		Hours	\$0.00	\$0.00	
LTE SAL	LTE Salary		Hours	\$13.00	\$0.00	
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		Miles	\$0.72	\$0.00	
MEAL	Meals		Meals	\$9.00	\$0.00	
LODGE	Lodging				\$0.00	
TRAVEL	Travel Total				\$0.00	
BUG	Bug Contracts				\$0.00	
OTHER	Other Contracts				\$0.00	
USGS	USGS Costs				\$0.00	
TOTAL	Total Cost (excludes SLOH)				\$0.00	

Test Code	Description	Test Group	# Planned	Unit Cost	Total Cost
Total SLOH Lab Costs:				\$0.00	
Total Budget:				\$0.00	

Combined Budgets: \$4,997.23
Combined SLOH: \$0.00
Combined Total: \$4,997.23

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Funding

Organization	Source	Type	Amount	Start Date	End Date
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