

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID:	East_TWA_5_2014
Name:	Lower Peshtigo River TWA WQM Plan, 2017
Type:	Targeted Watershed Approach
Subtype:	Planning (WQ, Nine Key Element)
Status:	COMPLETE
Start Date:	01/01/2014
End Date:	12/31/2015
Purpose:	This project monitored and evaluated 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.
	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:	Surveys will be completed at approximately 30 sites throughout the Little Peshtigo River watershed to collect data to evaluate stream conditions. Each of the sites will have 3 field visits. One visit for reconnaissance and temperature logger deployment, one visit for fish and habitat surveys, and one visit for macroinvertebrate sampling and temperature logger retrieval. These 30 sites will be monitored for continuous temperature from May through October. Macroinvertebrate samples will be collected in fall from all 30 sites. Sampling stations have yet to be determined
Comments:	
Outcome:	Background data for use by Marinette County in developing a 9-Key Elements Plan, 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.
Study Design:	
QA Measures:	Standard DNR and SLOH protocols will be followed.

People

Name	Role	Status	Start Date	End Date	Organization	Comments
Cleereman, Greg	TEAM_MEMBER	COMPLETE	01/01/2014	12/31/2015	Marinette County	County Conservationist
Helmuth, Lisa D	COORDINATOR	ACTIVE	11/23/2019		Wisconsin DNR	
Hudak, Andrew J	COORDINATOR	COMPLETE	01/01/2014	12/31/2015	Wisconsin DNR	
McLennan, Robin	SUPERVISOR	COMPLETE	01/01/2014	12/31/2015	Wisconsin DNR	
ZIEGLER, VICTORIA E	COORDINATOR	ACTIVE	10/13/2017		Wisconsin DNR	

Project Statuses

Date	Reported By	Status	Comments
12/04/2013	Andrew Hudak	Proposed	
07/02/2014	Andrew Hudak	Progress: 0-25% Complete	Habitat and fish assessment work has been started and the first two sets of monthly TP samples have been collected by volunteer.
12/01/2014	Andrew Hudak	Progress: 75-100% Complete	Sampling completed, data will be entered by end of year, drafting final report and will complete following bug data.
02/02/2015	Andrew Hudak	Progress: 75-100% Complete	Will collect a missed TP sample on Trout Creek in May of 2015. This will complete field work. Continuing project for 2015 has been proposed. Project summary will be completed following bug data analysis.
12/02/2016	Lisa Helmuth	Progress: 75-100% Complete	Number 1 priority for TWA project publication. Sending materials and agreement with Andy today. Lisa

Project Status Detail

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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	End Date	Status
Monitor to Evaluate Projects	Investigate the installation of an unauthorized rock dam upstream of Loop Lake Road that may act as a fish passage barrier.	01/01/2014	12/31/2015	PROPOSED
Monitor Aquatic Biology	Conduct additional TP monitoring, Fish and Macroinvertebrate monitoring on Trout Creek upstream of Jandt Road.	01/01/2014	12/31/2015	PROPOSED
Monitor or Propose 303(d) Listing	The lower segment of Trout Creek should be considered for listing on the State's 303(d) list of impaired waters for a degraded macroinvertebrate community.	01/01/2014	12/31/2015	PROPOSED
Monitor Water Quality or Sediment	Conduct additional surveys in the Left Foot Creek HUC 12 watershed to determine suitability to continue to manage Left Foot Creek as Trout water. Additional temperature monitoring, fish surveys, and habitat surveys should be completed above and below Left Foot Lake.	01/01/2014	12/31/2015	PROPOSED
Monitor or Propose 303(d) Listing	Conduct follow-up monitoring on Mud Brook to re-evaluate for impairments by pollutant other than Total Phosphorous.	01/01/2014	12/31/2015	PROPOSED
Monitor Targeted Watershed Area (TWA)	Lower Peshtigo River TWA	12/01/2014	12/31/2015	COMPLETE
Monitor Water Quality or Sediment	Conduct temperature monitoring and fish surveys in mid to upper reaches of Peterman Brook to verify natural community and trout stream classification.	10/13/2017		PROPOSED
Monitor or Propose 303(d) Listing	Unnamed Tributary to Peshtigo River at River Dr. (5008538) should be considered for listing on the State's 303(d) list of impaired waterbodies for degraded biological communities.	10/13/2017		PROPOSED
Monitor Water Quality or Sediment	Conduct additional TP monitoring, Fish and Macroinvertebrate monitoring on Trout Creek upstream of Jandt Road.	10/13/2017		PROPOSED
Monitor or Propose 303(d) Listing	Unnamed Tributary to Lake Michigan at Spitzmacher should be considered for listing on the State's 303(d) list of impaired waterbodies for degraded biological communities (498000).	10/13/2017		PROPOSED

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Action	Detailed Description	Start	End Date	Status
Monitor Water Quality or Sediment	Conduct temperature monitoring and fish surveys on the Unnamed Tributary to Little River within the designated Class III segment to verify natural community and trout stream classification.	10/13/2017		PROPOSED
Monitor or Propose 303(d) Listing	Unnamed tributary at the Snowmobile Crossing should be considered for listing on the State's 303(d) list of impaired waterbodies for degraded biological communities (5008359).	10/13/2017		PROPOSED
Monitor Water Quality or Sediment	Conduct follow-up monitoring on Mud Brook to re-evaluate for impairments by pollutant other than TP.	10/13/2017		PROPOSED
Monitor Water Quality or Sediment	Conduct additional surveys in the Left Foot Creek HUC 12 watershed to determine suitability to continue to manage Left Foot Creek as Trout water. Additional temperature monitoring, fish surveys, and habitat surveys should be completed above and below Left Foot Lake.	10/13/2017		PROPOSED
Monitor or Propose 303(d) Listing	Unnamed Tributaries to Lake Michigan at CTH BB (3000624) should be considered for listing on the State's 303(d) list of impaired waterbodies for degraded biological communities.	10/13/2017		PROPOSED
Monitor or Propose 303(d) Listing	Unnamed tributary at CTH BB should be considered for listing on the State's 303(d) list of impaired waterbodies for degraded biological communities (515600).	10/13/2017		PROPOSED
Monitor or Assess Watershed Condition	Assess the condition of all the lakes within the Pine and Calvin Creeks Subwatershed since this study only focused on streams.	01/16/2018		PROPOSED

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	
383183	Gravelly Br at Gravelly Br Rd	
10041620	Gravelly Brook US at Peshtigo River	
383254	Left Foot Creek - 200 Yds Above 5th Rd	
10042721	Left Foot Creek 30m US US 141	
10042722	Left Foot Creek 50m us Loop Lake Rd	
10039303	Little River at Hwy BB	
10021853	Little River at Krause Road	
383175	Mud Brook - Mudbrook Road	
10042723	Mud Brook 30m us CTH G	
383081	Peshtigo River - Above Spl Chan Mile 3.92	
10042950	Peshtigo River 1.0m US from CTH W	
10042807	Sucker Brook 180m ds Aubin St	
10042944	Sucker Brook 2m US Farm Road Crossing adjacent to CTH E	
10016931	Trout Creek - Townline Road	
10041618	Trout Creek US at Hwy D	

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Station ID	Name	Comments
10041617	UN Trib to Lake Michigan ds Spitzmacher Rd	
10042825	UN Trib to Peshtigo River 30m US CTH B	
10041619	UN Trib to Peshtigo River US Right of Way Rd	
10042724	UNT to Lake Michigan 10m us CTH BB	
10042720	UNT to Peshtigo River 30 us River Dr.	
10042939	Unnamed Trib to Left Foot Creek 10m us E 22nd St	
10042938	Unnamed Trib to Left Foot Creek 130m ds Devils Lake Rd	
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	
10038400	Unnamed Trib.(497900)-West of Cty Y	
10033582	Unnamed trib to Lake Michigan in Oconto Park	

Assessment Units

WBIC	Segment	Local Name	Official Name
66900	1	Calvin Creek	Calvin Creek
497900	1	Local Water	Unnamed
498000	1	Unnamed Trib to Lake Michigan	Unnamed
515500	1	Peshtigo River	Peshtigo River
515600	1	Unnamed Trib to Peshtigo River	Unnamed
515900	2	Trout Creek	Trout Creek
516000	1	Sucker Brook	Sucker Brook
516100	1	Bundy Creek	Bundy Creek
516300	1	Unnamed Trib to Peshtigo River	Unnamed
516900	1	Mud Brook	Mud Brook
517100	1	Gravelly Brook	Gravelly Brook
524500	1	Left Foot Creek	Left Foot Creek
524500	2	Left Foot Creek	Left Foot Creek
524600	1	Unnamed Trib to Left Foot Creek	Unnamed
525400	1	Peterman Brook	Peterman Brook
583200	1	Little River	Little River
3000624	1	Unnamed Ditch to Lk Michigan	Unnamed
5008359	1	Unnamed Trib to Peshtigo River	Unnamed
5008538	1	Unnamed Trib to Peshtigo River	Unnamed
5008721	1	Unnamed Trib to Peshtigo River	Unnamed
5008962	1	Unnamed Trib to Trout Cr	Unnamed
5008966	1	Unnamed Trib to Peshtigo River	Unnamed
5582027	1	Peshtigo River Side Channel	Unnamed

Lab Account Codes

Account Code	Description	Start Date	End Date
WQ001	WATERSHED PLAN MONITORING	03/26/2014	12/31/2015

Forms

Form Code	Form Name
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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_I	Wadeable Macroinvertebrate Field & Habitat Data

Methods

Method Code	Description
AIS_MON_CLMN_2011	AIS CLMN Monitoring Procedures 2011
AIS_STREAMS_2015	AIS Monitoring in Streams 2015
ELECTROFISHING: BACKPACK SHOCKER	Electrofishing: Backpack Shocker
ELECTROFISHING: MULTIPLE GEAR TYPES	Electrofishing: Multiple Gear Types
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 D-frame Kick Net 2004
KICKNET SAMPLING - MACROINVERTEBRATE DATA COLLECTION	Macroinvertebrate Kicknet Data Collection 2000
DNR-FPM-SONDES2006	Multi-Parameter Continuous Meter Guidelines 2006
WAV STREAM MONITORING PROTOCOLS	Water Action Volunteers (WAV) Stream Monitoring Protocols 2009
GRAB SAMPLE	Water Grab Sample Guidelines and Procedures 2005

Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
05/01/2014	COMPLETE	TIDBIT	10041617	UN Trib to Lake Michigan ds Spitzmacher Rd
05/01/2014	COMPLETE		383254	Left Foot Creek - 200 Yds Above 5th Rd
05/01/2014	COMPLETE		10041618	Trout Creek US at Hwy D
05/01/2014	COMPLETE		10042936	Unnamed Trib to Trout Creek 130m ds Aubin St
05/01/2014	COMPLETE		10041619	UN Trib to Peshtigo River US Right of Way Rd
05/05/2014	COMPLETE		10038400	Unnamed Trib.(497900)-West of Cty Y
05/07/2014	COMPLETE	TIDBIT	10042825	UN Trib to Peshtigo River 30m US CTH B
05/07/2014	COMPLETE	TIDBIT	10042310	Unnamed Trib to Peshtigo River 130m DS STH 64
05/07/2014	COMPLETE		10042938	Unnamed Trib to Left Foot Creek 130m ds Devils Lake Rd
05/07/2014	COMPLETE		10042721	Left Foot Creek 30m US US 141
05/07/2014	COMPLETE		383175	Mud Brook - Mudbrook Road
05/07/2014	COMPLETE		10042720	UNT to Peshtigo River 30 us River Dr.
05/07/2014	COMPLETE		10042940	Unnamed Trib to Peshtigo River 165m DS Snowmobile Trail Crossing
05/07/2014	COMPLETE		10042939	Unnamed Trib to Left Foot Creek 10m us E 22nd St
05/07/2014	COMPLETE		10042548	Bundy Creek US Town Hall Road E of Hartwig Road
05/07/2014	COMPLETE		10020596	Bundy Creek At Cth B (200 Ft. Down From)
05/07/2014	COMPLETE		10042807	Sucker Brook 180m ds Aubin St
05/07/2014	COMPLETE		10016804	Bundy Creek - Town Line Road - East
05/07/2014	COMPLETE		10042808	Unnamed Trib to Peshtigo R 30m US CTH BB

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Start Date	Status	Field ID	Station ID	Station Name
05/07/2014	COMPLETE		10039303	Little River at Hwy BB
05/07/2014	COMPLETE		10042724	UNT to Lake Michigan 10m us CTH BB
05/07/2014	COMPLETE		10042723	Mud Brook 30m us CTH G
05/07/2014	COMPLETE		10042806	Bundy Creek 15m US Townline Rd
05/21/2014 10:57	COMPLETE	NA	383254	Left Foot Creek - 200 Yds Above 5th Rd
05/21/2014 11:30	COMPLETE	NA	10041620	Gravelly Brook US at Peshtigo River
05/21/2014 11:53	COMPLETE	NA	383175	Mud Brook - Mudbrook Road
05/21/2014 12:29	COMPLETE	NA	10016931	Trout Creek - Townline Road
05/21/2014 12:50	COMPLETE	NA	10033582	Unnamed trib to Lake Michigan in Oconto Park
05/21/2014 13:20	COMPLETE	NA	10041617	UN Trib to Lake Michigan ds Spitzmacher Rd
05/21/2014 13:52	COMPLETE	NA	10041619	UN Trib to Peshtigo River US Right of Way Rd
05/21/2014 14:18	COMPLETE	NA	10039303	Little River at Hwy BB
06/17/2014 10:01	COMPLETE	NA	383175	Mud Brook - Mudbrook Road
06/17/2014 10:13	COMPLETE	NA	383254	Left Foot Creek - 200 Yds Above 5th Rd
06/17/2014 10:41	COMPLETE	NA	10041620	Gravelly Brook US at Peshtigo River
06/17/2014 11:32	COMPLETE	NA	10016931	Trout Creek - Townline Road
06/17/2014 11:57	COMPLETE	NA	10033582	Unnamed trib to Lake Michigan in Oconto Park
06/17/2014 12:37	COMPLETE	NA	10041617	UN Trib to Lake Michigan ds Spitzmacher Rd
06/17/2014 13:18	COMPLETE	NA	10041619	UN Trib to Peshtigo River US Right of Way Rd
06/17/2014 13:49	COMPLETE	NA	10039303	Little River at Hwy BB
07/23/2014 08:51	COMPLETE	NA	383254	Left Foot Creek - 200 Yds Above 5th Rd
07/23/2014 09:22	COMPLETE	NA	10041620	Gravelly Brook US at Peshtigo River
07/23/2014 09:54	COMPLETE	NA	10016931	Trout Creek - Townline Road
07/23/2014 10:06	COMPLETE	NA	383175	Mud Brook - Mudbrook Road
07/23/2014 10:12	COMPLETE	NA	10033582	Unnamed trib to Lake Michigan in Oconto Park
07/23/2014 10:45	COMPLETE	NA	10041617	UN Trib to Lake Michigan ds Spitzmacher Rd
07/23/2014 11:17	COMPLETE	NA	10041619	UN Trib to Peshtigo River US Right of Way Rd
07/23/2014 11:56	COMPLETE	NA	10039303	Little River at Hwy BB
08/26/2014 10:39	COMPLETE	NA	383254	Left Foot Creek - 200 Yds Above 5th Rd
08/26/2014 11:06	COMPLETE	NA	10041620	Gravelly Brook US at Peshtigo River
08/26/2014 11:18	COMPLETE	NA	383175	Mud Brook - Mudbrook Road
08/26/2014 11:35	COMPLETE	NA	10016931	Trout Creek - Townline Road
08/26/2014 11:35	COMPLETE	NA	10016931	Trout Creek - Townline Road
08/26/2014 11:51	COMPLETE	NA	10033582	Unnamed trib to Lake Michigan in Oconto Park
08/26/2014 12:21	COMPLETE	NA	10041617	UN Trib to Lake Michigan ds Spitzmacher Rd
08/26/2014 12:35	COMPLETE	NA	10041619	UN Trib to Peshtigo River US Right of Way Rd
08/27/2014 12:38	COMPLETE	NA	10039303	Little River at Hwy BB
09/09/2014	COMPLETE		10039303	Little River at Hwy BB
09/09/2014	COMPLETE		10042724	UNT to Lake Michigan 10m us CTH BB
09/09/2014	COMPLETE		10021853	Little River at Krause Road
09/15/2014	COMPLETE		10042808	Unnamed Trib to Peshtigo R 30m US CTH BB
09/15/2014	COMPLETE		10042938	Unnamed Trib to Left Foot Creek 130m ds Devils Lake Rd
09/15/2014	COMPLETE		10042939	Unnamed Trib to Left Foot Creek 10m us E 22nd St
09/15/2014	COMPLETE		10038400	Unnamed Trib.(497900)-West of Cty Y
09/15/2014	COMPLETE		10042722	Left Foot Creek 50m us Loop Lake Rd
09/15/2014	COMPLETE		10041619	UN Trib to Peshtigo River US Right of Way Rd
09/15/2014	COMPLETE		10042825	UN Trib to Peshtigo River 30m US CTH B
09/15/2014	COMPLETE		10041617	UN Trib to Lake Michigan ds Spitzmacher Rd

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Start Date	Status	Field ID	Station ID	Station Name
09/17/2014	COMPLETE		10042310	Unnamed Trib to Peshtigo River 130m DS STH 64
09/17/2014	COMPLETE		10042720	UNT to Peshtigo River 30 us River Dr.
09/24/2014	COMPLETE		383254	Left Foot Creek - 200 Yds Above 5th Rd
09/24/2014	COMPLETE		10042721	Left Foot Creek 30m US US 141
09/25/2014	COMPLETE		10042940	Unnamed Trib to Peshtigo River 165m DS Snowmobile Trail Crossing
09/25/2014	COMPLETE		10042944	Sucker Brook 2m US Farm Road Crossing adjacent to CTH E
09/25/2014	COMPLETE		10042807	Sucker Brook 180m ds Aubin St
09/25/2014	COMPLETE		10041618	Trout Creek US at Hwy D
09/25/2014	COMPLETE		10042936	Unnamed Trib to Trout Creek 130m ds Aubin St
09/29/2014 10:03	COMPLETE	NA	383254	Left Foot Creek - 200 Yds Above 5th Rd
09/29/2014 10:05	COMPLETE	NA	10016931	Trout Creek - Townline Road
09/29/2014 10:31	COMPLETE	NA	10041620	Gravelly Brook US at Peshtigo River
09/29/2014 10:45	COMPLETE	NA	383175	Mud Brook - Mudbrook Road
09/29/2014 11:01	COMPLETE	NA	10038400	Unnamed Trib.(497900)-West of Cty Y
09/29/2014 11:23	COMPLETE	NA	10041617	UN Trib to Lake Michigan ds Spitzmacher Rd
09/29/2014 11:45	COMPLETE	NA	10041619	UN Trib to Peshtigo River US Right of Way Rd
09/29/2014 12:09	COMPLETE	NA	10039303	Little River at Hwy BB
09/30/2014	COMPLETE		10042806	Bundy Creek 15m US Townline Rd
09/30/2014	COMPLETE		10020596	Bundy Creek At Cth B (200 Ft. Down From)
09/30/2014	COMPLETE		10042548	Bundy Creek US Town Hall Road E of Hartwig Road
10/07/2014	COMPLETE		383183	Gravelly Br at Gravelly Br Rd
10/07/2014	COMPLETE		10042950	Peshtigo River 1.0m US from CTH W
10/07/2014	COMPLETE		10041620	Gravelly Brook US at Peshtigo River
10/07/2014	COMPLETE		383175	Mud Brook - Mudbrook Road
10/07/2014	COMPLETE		10042723	Mud Brook 30m us CTH G
10/20/2014	COMPLETE		10016931	Trout Creek - Townline Road
10/20/2014	COMPLETE		383081	Peshtigo River - Above Spl Chan Mile 3.92
10/28/2014 10:05	COMPLETE	NA	383254	Left Foot Creek - 200 Yds Above 5th Rd
10/28/2014 10:06	COMPLETE	NA	383254	Left Foot Creek - 200 Yds Above 5th Rd
10/28/2014 10:07	COMPLETE	NA	383254	Left Foot Creek - 200 Yds Above 5th Rd
10/28/2014 10:31	COMPLETE	NA	10041620	Gravelly Brook US at Peshtigo River
10/28/2014 10:45	COMPLETE	NA	383175	Mud Brook - Mudbrook Road
10/28/2014 11:03	COMPLETE	NA	10016931	Trout Creek - Townline Road
10/28/2014 11:15	COMPLETE	NA	10038400	Unnamed Trib.(497900)-West of Cty Y
10/28/2014 11:27	COMPLETE	NA	10041617	UN Trib to Lake Michigan ds Spitzmacher Rd
10/28/2014 12:13	COMPLETE	NA	10041619	UN Trib to Peshtigo River US Right of Way Rd
10/28/2014 12:31	COMPLETE	NA	10039303	Little River at Hwy BB

Documents

Title	Description	Author	Published	Comments
2014 Total Phosphorous Monitoring Report - Trout Creek - Townline Road				
2014 Total Phosphorous Monitoring Report - Gravelly Brook US @ Peshtigo River	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	Lindsey Albright	02/04/2015	

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2014 Total Phosphorus Monitoring Report - Left Foot Creek - 200 Yds Above 5th Rd	<p>condition. Basin assessment monitoring was recommended in historic watershed plans, but have never been conducted. The monitoring will help support and guide the development of the 9-Key Element plan by gathering baseline data and eliminating data gaps.</p> <p>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 condition. Basin assessment monitoring was recommended in historic watershed plans, but have never been conducted. The monitoring will help support and guide the development of the 9-Key Element plan by gathering baseline data and eliminating data gaps.</p>	Lindsey Albright	02/04/2015	
2014 Total Phosphorus Monitoring Report - Little River at Hwy BB	<p>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 condition. Basin assessment monitoring was recommended in historic watershed plans, but have never been conducted. The monitoring will help support and guide the development of the 9-Key Element plan by gathering baseline data and eliminating data gaps.</p>	Lindsey Albright	02/04/2015	
2014 Total Phosphorus Monitoring Report - Mud Brook - Mudbrook Road	<p>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 condition. Basin assessment monitoring was recommended in historic watershed plans, but have never been conducted. The monitoring will help support and guide the development of the 9-Key Element plan by gathering baseline data and eliminating data gaps.</p>	Lindsey Albright	02/03/2015	
2014 Total Phosphorus Monitoring Report - UN Trib to Lake Michigan 400m ds Spitzmacher Rd	<p>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 condition. Basin assessment monitoring was recommended in historic watershed plans, but have never been conducted. The monitoring will help support and guide the development of the 9-Key Element plan by gathering baseline data and</p>	Lindsey Albright	02/04/2015	

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2014 Total Phosphorus Monitoring Report - UN Trib to Peshtigo River US Right of Way Rd	eliminating data gaps. 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 condition. Basin assessment monitoring was recommended in historic watershed plans, but have never been conducted. The monitoring will help support and guide the development of the 9-Key Element plan by gathering baseline data and eliminating data gaps.	Lindsey Albright	02/04/2015	
2014 Total Phosphorus Monitoring Report - Unnamed trib to Lake Michigan in Oconto Park	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 condition and basin assessment monitoring was recommended in historic watershed plan recommendations, but has never been conducted. The monitoring will help support and guide the development of the 9-Key Element plan by gathering baseline data and eliminating data gaps.	Lindsey Albright	02/04/2015	
Birds of Prey, Lower Peshtigo River Watershed	Birds of Prey, Lower Peshtigo River Watershed	Wiki Commons	12/25/2016	
Bundy Townline (1) Lower Peshtigo TWA 2014 Project (516100) photo by Andrew Hudak	Bundy Townline (1) Lower Peshtigo TWA 2014 Project (516100) photo by Andrew Hudak	Hudak, Andrew	06/25/2014	
Bundy Townline (2) Lower Peshtigo TWA 2014 Project (516100) photo by Andrew Hudak	Bundy Townline (2) Lower Peshtigo TWA 2014 Project (516100) photo by Andrew Hudak	Hudak, Andrew	06/25/2014	
Bundy Townline (3) Lower Peshtigo TWA 2014 Project (516100) photo by Andrew Hudak	Bundy Townline (3) Lower Peshtigo TWA 2014 Project (516100) photo by Andrew Hudak	Hudak, Andrew	07/10/2014	
Gfp Wisconsin Looking Across the Peshtigo River	Gfp Wisconsin Looking Across the Peshtigo River WBIC 515500	Andrew Hudak	01/01/2016	
Left Foot Creek Photo for TWA Plan (524500) Photo 3	Left Foot Creek; WBIC 524500	Andrew Hudak	06/05/2014	
Left Foot Creek Shaded Riffle Area, 2014 [524500] Photo 1	Left Foot Creek Shaded Riffle Area, 2014 [524500] Photo 1	Andrew Hudak	06/05/2014	
Left Foot Creek Shaded Riffle, 2014 (524500) Photo 2	Left Foot Creek Shaded Riffle, 2014 (524500) Photo 2	Andrew Hudak	06/04/2014	
Little River at Hwy BB (2) (583200) photo by Andrew Hudak	Little River at Hwy BB (2) (583200) photo by Andrew Hudak	Hudak, Andrew	07/17/2014	
Little River at Hwy BB (583200) photo by Andrew Hudak	Little River at Hwy BB (583200) photo by Andrew Hudak	Hudak, Andrew	07/17/2014	
Lower Peshtigo River Photo Wiki Commons	Lower Peshtigo River Photo Wiki Commons	Wiki Commons		

Wisconsin Department of Natural Resources SWIMS Project Summary

Title	Description	Author	Published	Comments
Lower Peshtigo River Watershed Assessment TWA 2014 project (515500) photo by Andrew Hudak	Lower Peshtigo River Watershed Assessment TWA 2014 project (515500) photo by Andrew Hudak	Hudak, Andrew	05/22/2014	
Lower Peshtigo TWA 2014 Project at Hwy Y (497900) photo by Andrew Hudak	Lower Peshtigo TWA 2014 Project at Hwy Y (497900) photo by Andrew Hudak	Hudak, Andrew		
Lower Peshtigo TWA WQM Plan FINAL 2017 [GB07]	Assessments and recommendations for the Watershed. Lower Peshtigo TWA WQM Plan 2017	Hudak, Andy	05/17/2017	
Lower Peshtigo TWA WQM Plan Presentation 2017 [GB07]	Lower Peshtigo Watershed TWA WQM Plan Presentation	WDNR	08/08/2017	
NC.Ver_Stn_10021853_SSN_515077277_Report	NC.Ver_Stn_10021853_SSN_515077277_Report	Hudak	07/31/2019	
NC.Ver_Stn_10041617_SSN_515077287_Report	NC.Ver_Stn_10041617_SSN_515077287_Report	Kosmond for Hudak	07/01/2017	
NC.Ver_Stn_10042724_SSN_515077285_Report	NC.Ver_Stn_10042724_SSN_515077285_Report	hudak	07/01/2017	
NC.Ver_Stn_10042806_SSN_515078852_Report	NC.Ver_Stn_10042806_SSN_515078852_Report	Hudak	07/30/2019	
NC.Ver_Stn_10042825_SSN_515077290_Report	NC.Ver_Stn_10042825_SSN_515077290_Report	Hudak		
NC.Ver_Stn_10042940_SSN_515078792_Report	NC.Ver_Stn_10042940_SSN_515078792_Report	Kosmond for Hudak	07/31/2019	
NC.Ver_Stn_10042944_SSN_515078851_Report	NC.Ver_Stn_10042944_SSN_515078851_Report	hudak	07/30/2019	
NER_01_CMP14 status 10132016	NER_01_CMP14 status 10132016	SWIMS Reports	10/13/2016	
Peshtigo River Photo 1024px-Sunny_Peshtigo	Peshtigo River Photo 1024px-Sunny_Peshtigo	Wisconsin DNR	12/25/2016	
Peshtigo River Photo Commons Photo	Peshtigo River Photo Commons Photo	Wiki Commons	12/25/2016	
Peshtigo River Photo Commons Photo 2	Peshtigo River Photo Commons Photo 2	Wiki Commons	12/25/2016	
Sucker Brook at Aubin Street.	Survey, 515077255 ħ Sucker Brook at Aubin Street	Hudak	07/01/2014	
Trout Creek Hwy D Photo (515500)	Trout Creek Hwy D WBIC 515500	Andrew Hudak	06/25/2014	
UNT to Trout Creek Lower Peshtigo TWA	UNT to Trout Creek Lower Peshtigo TWA	Hudak	07/01/2014	
Unnamed Tributary at Hwy B (5008966) photo by Andrew Hudak	Unnamed Tributary at Hwy B (5008966) photo by Andrew Hudak	Hudak, Andrew	05/22/2014	
Unnamed Tributary at Hwy BB (515600) photo by Andrew Hudak	Unnamed Tributary at Hwy BB (515600) photo by Andrew Hudak	Hudak, Andrew	05/22/2014	
Unnamed Tributary to Peshtigo River, 2014 [515500] Photo	Unnamed Tributary to Peshtigo River, 2014 [515500] Photo	Andrew Hudak	05/22/2014	
Unnamed tributary at Left Ft Creek (1) (498000) photo by Andrew Hudak	Unnamed tributary at Left Ft Creek (1) (498000) photo by Andrew Hudak	Hudak, Andrew	06/04/2014	
Unnamed tributary at Left Ft Creek (498000) photo by Andrew Hudak	Unnamed tributary at Left Ft Creek (498000) photo by Andrew Hudak	Hudak, Andrew	06/05/2014	
Unnamed tributary at-Farm Access Hwy E (516000) photo by Andrew Hudak	Unnamed tributary at-Farm Access Hwy E (516000) photo by Andrew Hudak	Hudak, Andrew	06/11/2014	

Budget

Budget Description: January-June

Start Date: 01/01/2014

End Date: 06/30/2014

**Wisconsin Department of Natural Resources
SWIMS Project Summary**

Code	Description	Quantity	Units	Unit Cost	Total Cost	Comments
FTE	FTE Hours	80	Hours	\$0.00	\$0.00	8 Trips x 1 FTE x 10 hrs/day
LTE SAL	LTE Salary	80	Hours	\$13.00	\$1,040.00	8 Trips x 1 LTE x 10 hrs/day
LTE FR	LTE Fringe				\$256.88	
LTE IND	LTE Indirect				\$209.71	
LTE TOT	LTE Total Cost				\$1,506.59	
SUPPLY	Supplies				\$0.00	
EQUIP	Equipment				\$0.00	
MILEAGE	Mileage	1200	Miles	\$0.72	\$864.00	
MEAL	Meals	16	Meals	\$10.00	\$160.00	
LODGE	Lodging				\$0.00	
TRAVEL	Travel Total				\$1,024.00	
BUG	Bug Contracts				\$0.00	
OTHER	Other Contracts				\$0.00	
USGS	USGS Costs				\$0.00	
TOTAL	Total Cost (excludes SLOH)				\$2,530.59	

Test Code	Description	Test Group	# Planned	Unit Cost	Total Cost
Total SLOH Lab Costs:				\$0.00	
Total Budget:				\$2,530.59	

Budget Description: July-December **Start Date:** 07/01/2014 **End Date:** 12/31/2014

Code	Description	Quantity	Units	Unit Cost	Total Cost	Comments
FTE	FTE Hours	130	Hours	\$0.00	\$0.00	13 Trips X 1 FTE x 10 hrs/day
LTE SAL	LTE Salary	250	Hours	\$13.00	\$3,250.00	10 Trips x 2 LTE x 10 hrs/day + 5 days for data entry
LTE FR	LTE Fringe				\$802.75	
LTE IND	LTE Indirect				\$655.33	
LTE TOT	LTE Total Cost				\$4,708.08	
SUPPLY	Supplies				\$0.00	
EQUIP	Equipment				\$0.00	
MILEAGE	Mileage	2800	Miles	\$0.72	\$2,016.00	
MEAL	Meals	33	Meals	\$10.00	\$330.00	
LODGE	Lodging				\$0.00	
TRAVEL	Travel Total				\$2,346.00	
BUG	Bug Contracts	30		\$180.00	\$5,400.00	
OTHER	Other Contracts				\$0.00	
USGS	USGS Costs				\$0.00	
TOTAL	Total Cost (excludes SLOH)				\$12,454.08	

Test Code	Description	Test Group	# Planned	Unit Cost	Total Cost
Total SLOH Lab Costs:				\$0.00	
Total Budget:				\$12,454.08	

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Combined Budgets: \$14,984.67
Combined SLOH: \$0.00
Combined Total: \$14,984.67

Funding

Organization	Source	Type	Amount	Start Date	End Date
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