

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: East_TWA_5_2018

Name: Pine River 319 Project-Funded TWA 2018

Type: Targeted Watershed Approach

Subtype: Evaluation (TP SSC, Stressor, Bioassess)

Status: COMPLETE

Start Date: 01/01/2018

End Date: 06/30/2019

Purpose: This project will evaluate water quality improvements made in the Pine River Watershed from Best Management Practices installed from 1996 through 2002 as part of the Pine/Willow River Priority Watershed Project. Water Resources staff will use water and inorganic chemistry, habitat, fish, insects, temperature, and diatoms to determine the water quality conditions of the water resources in the watershed. [TWA HUC12-040302022003, 040302022002, 040302022001]. This is a 319 project.

Objective: This project will evaluate the effectiveness of BMPs installed in 3 HUC12 Watersheds in the Pine/Willow River HUC 10-0403020220 Watershed. This project will determine if the goals of the Priority Watershed Project to protect and improve the watershed water quality were met.

Monitoring will be conducted in 8 WBICs: 247900, 247800, 248800, 248600, 249200, 250100, 250500, & 250800

Aquatic insect samples will be collected in FY19 at 21 locations. Quantitative and qualitative (Ball 1982) habitat surveys will be conducted at 21 sites. Fish IBI surveys will be conducted at 20 locations. Temperature monitoring equipment will be deployed at 21 locations. Diatom samples and viewing bucket algal abundance assessments will be conducted at 21 sites (all habitat sites). Mid-winter baseflow Nitrate-Nitrite samples will be taken in FY19 at 19 locations. TP, TDP, NH4, NOx, TSS, and BOD samples will be collected at 8 locations during two runoff events in FY18. TP samples will be collected at 8 locations once per month May through October. Diurnal dissolved oxygen fluctuations will be monitored over a 5 day period at 5 locations.

Comments: This is a new, 1-year project.

This project has a companion Local Needs project proposed to assess the wetlands within the watershed (East_TWA_4_2018).

Outcome: Water quality monitoring will be conducted at 23 locations.

Aquatic macroinvertebrates will be collected at 21 locations in October 2018. 3 days of sampling and 1 day to preserve and transport to UWSP. All data will be entered into SWIMS database by UWSP staff by 12/30/2019.

Quantitative and Qualitative Habitat surveys will be conducted at 21 locations in FY19. 7 days of sampling is needed to complete this monitoring and 2 days to enter the data into database. All data will be entered into FMDB by Water Resources staff by 12/31/2018.

Fish surveys will be conducted at 20 locations in FY19. Ten days of sampling will be completed for the field surveys from July through September 2018. All fish data will be entered into the FMDB by Water Resources staff by 12/31/2018.

Diatoms will be collected by Water Resources Staff at 8 locations in FY19. Three field days will be needed for the completion of this monitoring. Diatom samples will be sent to the Monitoring Section staff of the DNR Water Quality Bureau.

Inorganic chemistry (TP) monitoring will be conducted at 8 locations. Sampling will occur once per month May through June 2018, and sampling will occur once per month July through October 2018. Additionally, TP, TDP, TSS, NH4, NOx, and BOD will be sampled during 2 rain events in FY18 at 8 locations. Mid-winter samples for NOx will be collected in FY19 at 19 locations. Six field days in FY18 will be needed to complete this inorganic chemistry monitoring. Ten days will be needed to complete the inorganic chemistry monitoring needed in FY19. All samples will be sent to Wisconsin State Lab of Hygiene for analysis and will be entered by the lab into SWIMS by 06/30/2019.

A final report will be written and attached to this project by 12/31/2019.

Study Design: [TWA HUC12-040302022003, 040302022002, 040302022001].

QA Measures:

People

Name	Role	Status	Start Date	End Date	Organization	Comments
BALDOCCHI, ANGELA K	COORDINATOR	COMPLETE	01/04/2018	09/01/2017	Wisconsin DNR	

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Name	Role	Status	Start Date	End Date	Organization	Comments
BERNTHAL, THOMAS W	TEAM_MEMBER	COMPLETE	01/01/2018	06/30/2019	Wisconsin DNR	
BOLHA, DAVID A	COORDINATOR	INACTIVE	01/04/2018		Wisconsin DNR	
BOLHA, DAVID A	PROJECT_LEAD	ACTIVE	01/01/2018	06/30/2019	Wisconsin DNR	
Gansberg, Mary K	COORDINATOR	INACTIVE	01/04/2018		Wisconsin DNR	
Helker, Craig D	COORDINATOR	INACTIVE	01/04/2018		Wisconsin DNR	
Hudak, Andrew J	COORDINATOR	INACTIVE	01/04/2018		Wisconsin DNR	
Kleeman, ZACHARY K	TEAM_MEMBER	COMPLETE	05/23/2018	01/15/2020	Wisconsin DNR	
MARTI, AARON M	TEAM_MEMBER	ACTIVE	01/01/2018	06/30/2019	Wisconsin DNR	

Project Statuses

Date	Reported By	Status	Comments
01/17/2018	DAVID BOLHA	Proposed	
06/21/2018	DAVID BOLHA	Active	
12/13/2018	DAVID BOLHA	Progress: 50-75% Complete	Most of the summer time monitoring was conducted in 2018. Some scheduled baseflow nitrate monitoring planned for mid-winter. High flows during the typical summer sampling period limited representative sampling; therefore, summer 2019 those remaining sites will be completed.
01/14/2020	DAVID BOLHA	Complete	Due to high summer flows in 2018 and 2019, a few monitoring events were not conducted. The final report reflects the monitoring that was completed.

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	End Date	Status
Citizen-Based Stream Monitoring	As available, WAV will collect some of the inorganic samples for the project.	01/01/2018	06/30/2019	PROPOSED
Monitor or Assess Watershed Condition		01/01/2018	06/30/2019	PROPOSED

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Action	Detailed Description	Start	End Date	Status
Monitor Water Quality or Sediment	This project will evaluate water quality improvements made in the Pine River Watershed from Best Management Practices installed from 1996 through 2002 as part of the Pine/Willow River Priority Watershed Project. Water Resources staff will use water and inorganic chemistry, habitat, fish, insects, temperature, and diatoms to determine the water quality conditions of the water resources in the watershed.	01/01/2018	06/30/2019	PROPOSED

Monitoring Stations

Station ID	Name	Comments
10020685	Carpenter Creek 2 At Bridge On Cth M	
10020683	Carpenter Creek At Bridge On CTH NN	
10022011	Davies Creek Upstream Hwy K	
10007897	Humphrey Creek at CTH K	
703082	Kaminski Creek at Cth A	
10015814	Little Silver Creek - 28th Court	
10007905	Little Silver Creek 13	
10016425	Lower Pine River - Cth A - Upstream	
703073	Lower Pine River at 19th Drive	
10049174	PINE RIVER - AINAWA HABITAT SITE	
10007978	Pine River - William'S Property	
703049	Pine River - .5 Mi Below A	
703047	Pine River - Above Hwy A	
10007883	Pine River - Apache Road	
703107	Pine River - Off 26th Rd At E. Frater Prop.	
703106	Pine River - Upper Pine R. Deadend Rd Off Roberts Rd	
10022005	Pine River Cth A Old Bridge Upstream Annual Site	
10051490	Pine River DS Pine River Millpond	
10050198	Pine River US Idlewild Millpond and Cty K	
10029791	Pine River W4902 Portage Road Saxeville	
703063	Pine River at 28th Court	
10037927	Pine River at Aniwa Road	
10039602	Pine River at CTH H US of Poy Sippi Millpond	
10032735	Pine River at Hwy. 49 Poy Sippi	
10050462	Pine River at Patty Anderson Farm Bridge Downstream of Poy Sippi	
10034803	Pine River below Saxeville Dam	
10049901	Un Trib (WBIC 247900) to Pine River at County H	
10048955	Unnamed Trib of Pine River - CTH A	
703070	Upper Pine River at 17th Drive	
703071	Upper Pine River at Cth Aa	

Assessment Units

WBIC	Segment	Local Name	Official Name
247800	1	Pine River	Pine River
247800	2	Pine River	Pine River

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WBIC	Segment	Local Name	Official Name
247800	3	Pine River	Pine River
247900	1	Mud Creek (T19n-R13e-S15)	Unnamed
248600	2	Little Silver Creek	Little Silver Creek
248800	1	Carpenter Creek	Carpenter Creek
249200	2	Popple Creek (James)	Popple Creek
250100	1	Kaminski Creek	Kaminski Creek
250500	1	Humphrey Creek	Humphrey Creek
250800	1	Davies (Clayton, Davis) Creek	Davies Creek

Lab Account Codes

Account Code	Description	Start Date	End Date
WQ029	319 PROJECT FUNDED TWA	04/25/2018	12/31/2018

Forms

Form Code	Form Name
AIS_STREAM_2014	Aquatic Invasive Species Monitoring Data Form (Streams)
CONTINUOUS	Continuous Data Upload
WADEABLE_MACRO_I	Wadeable Macroinvertebrate Field & Habitat Data
WADEABLE_MACRO_I	Wadeable Macroinvertebrate Stream and Watershed Descriptors

Methods

Method Code	Description
DNR-FPM 2101 DISSOLVED OXYGEN METERS	Dissolved Oxygen Meters
ELECTROFISHING: BACKPACK SHOCKER	Electrofishing: Backpack Shocker
ELECTROFISHING: STREAM SHOCKER	Electrofishing: Stream Shocker
DNR-FPM 3002 GLOBAL POSITIONING SYSTEM (GPS)	Global Positioning System (GPS)
MACROINVERTEBRATE BASELINE PROTOCOLS	Macroinvertebrate Baseline D-frame Kick Net 2004
NUTRIENT SAMPLING STREAMS 2015	Nutrient Sampling SOPs (3.2) WQ Monitoring 2015
GRAB SAMPLE	Water Grab Sample Guidelines and Procedures 2005

Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
03/27/2018 11:45	COMPLETE	NA	10049901	Un Trib (WBIC 247900) to Pine River at County H
03/27/2018 13:45	COMPLETE	NA	703107	Pine River - Off 26th Rd At E. Frater Prop.
03/27/2018 14:30	COMPLETE	NA	10020683	Carpenter Creek At Bridge On CTH NN
03/27/2018 14:45	COMPLETE	NA	703063	Pine River at 28th Court
03/27/2018 15:30	COMPLETE	NA	10032735	Pine River at Hwy. 49 Poy Sippi
03/27/2018 16:30	COMPLETE	NA	10050462	Pine River at Patty Anderson Farm Bridge Downstream of Poy Sippi
05/02/2018 10:25	COMPLETE	159646837	703106	Pine River - Upper Pine R. Deadend Rd Off Roberts Rd
05/02/2018 10:50	COMPLETE	159646825	10007897	Humphrey Creek at CTH K
05/02/2018 11:20	COMPLETE	159646829	10016425	Lower Pine River - Cth A - Upstream
05/02/2018 11:45	COMPLETE	159646833	703107	Pine River - Off 26th Rd At E. Frater Prop.
05/02/2018 12:05	COMPLETE	159646821	10020683	Carpenter Creek At Bridge On CTH NN

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Start Date	Status	Field ID	Station ID	Station Name
05/02/2018 12:25	COMPLETE	159646841	703063	Pine River at 28th Court
05/02/2018 13:50	COMPLETE	159646845	10032735	Pine River at Hwy. 49 Poy Sippi
05/02/2018 14:25	COMPLETE	159646853	10049901	Un Trib (WBIC 247900) to Pine River at County H
05/02/2018 15:15	COMPLETE	159646849	10050462	Pine River at Patty Anderson Farm Bridge Downstream of Poy Sippi
05/17/2018 00:30	COMPLETE	UPR17-2018-MAY	703070	Upper Pine River at 17th Drive
05/17/2018 08:00	COMPLETE	UPR17-2018-B	703070	Upper Pine River at 17th Drive
05/17/2018 08:30	COMPLETE	UPR17-2018-D	703070	Upper Pine River at 17th Drive
05/17/2018 08:45	COMPLETE	DCUK-2018-MAY	10022011	Davies Creek Upstream Hwy K
05/17/2018 09:00	COMPLETE	HCK-2018-MAY	10007897	Humphrey Creek at CTH K
05/22/2018 11:07	COMPLETE	LPRAU-2018-MAY	10016425	Lower Pine River - Cth A - Upstream
05/24/2018 09:15	COMPLETE	CCBNN-2108-MAY	10020683	Carpenter Creek At Bridge On CTH NN
05/24/2018 09:35	COMPLETE	703106	703106	Pine River - Upper Pine R. Deadend Rd Off Roberts Rd
05/24/2018 10:20	COMPLETE	10007897	10007897	Humphrey Creek at CTH K
05/24/2018 12:40	COMPLETE	10016425	10016425	Lower Pine River - Cth A - Upstream
05/24/2018 13:00	COMPLETE	703107	703107	Pine River - Off 26th Rd At E. Frater Prop.
05/24/2018 13:30	COMPLETE	10020683	10020683	Carpenter Creek At Bridge On CTH NN
05/24/2018 13:40	COMPLETE	703063	703063	Pine River at 28th Court
05/24/2018 14:00	COMPLETE	10032735	10032735	Pine River at Hwy. 49 Poy Sippi
05/24/2018 15:30	COMPLETE	10049901	10049901	Un Trib (WBIC 247900) to Pine River at County H
05/24/2018 15:50	COMPLETE	10050462	10050462	Pine River at Patty Anderson Farm Bridge Downstream of Poy Sippi
06/18/2018 10:00	COMPLETE	UPR17-2018-JUNE	703070	Upper Pine River at 17th Drive
06/18/2018 10:30	COMPLETE	DCUK-2018-JUNE	10022011	Davies Creek Upstream Hwy K
06/18/2018 11:00	COMPLETE	HCK-2018-JUNE	10007897	Humphrey Creek at CTH K
06/19/2018 11:35	COMPLETE	158999248	703106	Pine River - Upper Pine R. Deadend Rd Off Roberts Rd
06/19/2018 12:25	COMPLETE	158999236	10007897	Humphrey Creek at CTH K
06/19/2018 13:05	COMPLETE	158999240	10016425	Lower Pine River - Cth A - Upstream
06/19/2018 13:40	COMPLETE	162548385	703107	Pine River - Off 26th Rd At E. Frater Prop.
06/19/2018 13:50	COMPLETE	162548393	703063	Pine River at 28th Court
06/19/2018 14:15	COMPLETE	162548397	10032735	Pine River at Hwy. 49 Poy Sippi
06/19/2018 14:45	COMPLETE	162548405	10049901	Un Trib (WBIC 247900) to Pine River at County H
06/19/2018 15:30	COMPLETE	162548401	10050462	Pine River at Patty Anderson Farm Bridge Downstream of Poy Sippi
06/25/2018 10:00	COMPLETE	CCBNN-2018-JUNE	10020683	Carpenter Creek At Bridge On CTH NN
06/27/2018 11:20	COMPLETE	LPRAU-2018-JUNE	10016425	Lower Pine River - Cth A - Upstream
07/18/2018 11:10	COMPLETE	UPPER PINE RIVER	703070	Upper Pine River at 17th Drive
07/18/2018 11:40	COMPLETE	PINE RIVER	703106	Pine River - Upper Pine R. Deadend Rd Off Roberts Rd
07/18/2018 12:45	COMPLETE	DAVIES CREEK	10022011	Davies Creek Upstream Hwy K
07/18/2018 13:05	COMPLETE	HUMPHREY CREEK	10007897	Humphrey Creek at CTH K
07/18/2018 13:45	COMPLETE	LOWER PINE RIVER	10016425	Lower Pine River - Cth A - Upstream
07/18/2018 14:10	COMPLETE	PINE RIVER OFF 26th Rd	703107	Pine River - Off 26th Rd At E. Frater Prop.
07/18/2018 14:35	COMPLETE	PINE RIVER AT 28th Court	703063	Pine River at 28th Court
07/18/2018 15:10	COMPLETE	PINE RIVER AT HWY 49	10032735	Pine River at Hwy. 49 Poy Sippi
07/18/2018 16:00	COMPLETE	PINE RIVER AT PATTY ANDERSON FARM BRIDGE	10050462	Pine River at Patty Anderson Farm Bridge Downstream of Poy Sippi
08/13/2018 11:30	COMPLETE	NA	703106	Pine River - Upper Pine R. Deadend Rd Off Roberts Rd
08/13/2018 12:15	COMPLETE	NA	703107	Pine River - Off 26th Rd At E. Frater Prop.
08/13/2018 12:50	COMPLETE	NA	703063	Pine River at 28th Court

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Start Date	Status	Field ID	Station ID	Station Name
08/13/2018 13:45	COMPLETE	NA	10032735	Pine River at Hwy. 49 Poy Sippi
08/13/2018 13:50	COMPLETE	LPRAU-2018-AUGU	10016425	Lower Pine River - Cth A - Upstream
08/13/2018 14:20	COMPLETE	NA	10049901	Un Trib (WBIC 247900) to Pine River at County H
08/13/2018 15:00	COMPLETE	NA	10050462	Pine River at Patty Anderson Farm Bridge Downstream of Poy Sippi
08/14/2018 09:00	COMPLETE	UPR17-2018-AUGU	703070	Upper Pine River at 17th Drive
08/14/2018 09:30	COMPLETE	DCUK-2018-AUGU	10022011	Davies Creek Upstream Hwy K
08/14/2018 10:00	COMPLETE	HCK-2018-AUGUST	10007897	Humphrey Creek at CTH K
08/22/2018 09:00	COMPLETE	CCBNN-2018-AUGL	10020683	Carpenter Creek At Bridge On CTH NN
09/17/2018 10:05	COMPLETE	162548425	703070	Upper Pine River at 17th Drive
09/17/2018 10:39	COMPLETE	167915526	703106	Pine River - Upper Pine R. Deadend Rd Off Roberts Rd
09/17/2018 11:10	COMPLETE	162548435	10022011	Davies Creek Upstream Hwy K
09/17/2018 11:20	COMPLETE	162548417	10007897	Humphrey Creek at CTH K
09/17/2018 11:45	COMPLETE	167915522	703107	Pine River - Off 26th Rd At E. Frater Prop.
09/17/2018 11:50	COMPLETE	162548421	10016425	Lower Pine River - Cth A - Upstream
09/17/2018 12:00	COMPLETE	167915530	703063	Pine River at 28th Court
09/17/2018 12:30	COMPLETE	167915534	10032735	Pine River at Hwy. 49 Poy Sippi
09/17/2018 12:55	COMPLETE	167915538	10050462	Pine River at Patty Anderson Farm Bridge Downstream of Poy Sippi
10/12/2018	COMPLETE		703106	Pine River - Upper Pine R. Deadend Rd Off Roberts Rd
10/12/2018	COMPLETE		703047	Pine River - Above Hwy A
10/12/2018	COMPLETE		703071	Upper Pine River at Cth Aa
10/12/2018	COMPLETE		703070	Upper Pine River at 17th Drive
10/12/2018	COMPLETE		10048955	Unnamed Trib of Pine River - CTH A
10/12/2018	COMPLETE		10007905	Little Silver Creek 13
10/12/2018	COMPLETE		10007897	Humphrey Creek at CTH K
10/12/2018 11:50	COMPLETE	703070	703070	Upper Pine River at 17th Drive
10/12/2018 14:15	COMPLETE	703071	703071	Upper Pine River at Cth Aa
10/12/2018 15:20	COMPLETE	703047	703047	Pine River - Above Hwy A
10/15/2018 12:00	COMPLETE	UPR17-2018-OCTO	703070	Upper Pine River at 17th Drive
10/15/2018 12:30	COMPLETE	DCUK-2018-OCTOE	10022011	Davies Creek Upstream Hwy K
10/15/2018 13:00	COMPLETE	HCK-2018-OCTOBE	10007897	Humphrey Creek at CTH K
10/17/2018	COMPLETE		10016425	Lower Pine River - Cth A - Upstream
10/17/2018	COMPLETE		10020683	Carpenter Creek At Bridge On CTH NN
10/17/2018	COMPLETE		10020685	Carpenter Creek 2 At Bridge On Cth M
10/17/2018	COMPLETE		703049	Pine River - .5 Mi Below A
10/17/2018	COMPLETE		10029791	Pine River W4902 Portage Road Saxeville
10/17/2018 13:10	COMPLETE	10029791	10029791	Pine River W4902 Portage Road Saxeville
10/17/2018 14:50	COMPLETE	10016425	10016425	Lower Pine River - Cth A - Upstream
10/19/2018	COMPLETE		703073	Lower Pine River at 19th Drive
10/19/2018	COMPLETE		10049174	PINE RIVER - AINAWA HABITAT SITE
10/19/2018	COMPLETE		10037927	Pine River at Aniwa Road
10/19/2018	COMPLETE		10050198	Pine River US Idlewild Millpond and Cty K
10/19/2018	COMPLETE		10007883	Pine River - Apache Road
10/19/2018 11:34	COMPLETE	703073	703073	Lower Pine River at 19th Drive
10/19/2018 12:00	COMPLETE	10050198	10050198	Pine River US Idlewild Millpond and Cty K
10/19/2018 14:08	COMPLETE	10049174	10049174	PINE RIVER - AINAWA HABITAT SITE
10/19/2018 14:34	COMPLETE	10037927	10037927	Pine River at Aniwa Road

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Start Date	Status	Field ID	Station ID	Station Name
10/19/2018 15:10	COMPLETE	10007883	10007883	Pine River - Apache Road
10/23/2018 09:00	COMPLETE	CCBNN-2018-OCTC	10020683	Carpenter Creek At Bridge On CTH NN
10/23/2018 11:20	COMPLETE	703106	703106	Pine River - Upper Pine R. Deadend Rd Off Roberts Rd
10/23/2018 11:28	COMPLETE	LPRAU-2018-OCTO	10016425	Lower Pine River - Cth A - Upstream
10/23/2018 11:45	COMPLETE	703107	703107	Pine River - Off 26th Rd At E. Frater Prop.
10/23/2018 12:40	COMPLETE	703063	703063	Pine River at 28th Court
10/23/2018 13:00	COMPLETE	10032735	10032735	Pine River at Hwy. 49 Poy Sippi
10/23/2018 13:50	COMPLETE	10050462	10050462	Pine River at Patty Anderson Farm Bridge Downstream of Poy Sippi
10/23/2018 14:15	COMPLETE	10049901	10049901	Un Trib (WBIC 247900) to Pine River at County H
10/26/2018	COMPLETE		703107	Pine River - Off 26th Rd At E. Frater Prop.
10/26/2018	COMPLETE		10034803	Pine River below Saxeville Dam
10/26/2018	COMPLETE		703063	Pine River at 28th Court
10/26/2018	COMPLETE		10007978	Pine River - William'S Property
10/26/2018	COMPLETE		10022005	Pine River Cth A Old Bridge Upstream Annual Site
10/26/2018	COMPLETE		703107	Pine River - Off 26th Rd At E. Frater Prop.
10/26/2018 11:10	COMPLETE	PINE RIVER CTH	10022005	Pine River Cth A Old Bridge Upstream Annual Site
10/26/2018 14:05	COMPLETE	PINE RIVER 26TH F	703107	Pine River - Off 26th Rd At E. Frater Prop.
10/26/2018 15:15	COMPLETE	PINE RIVER WILLIA	10007978	Pine River - William'S Property
10/31/2018	COMPLETE		10050462	Pine River at Patty Anderson Farm Bridge Downstream of Poy Sippi
11/01/2018	COMPLETE		10032735	Pine River at Hwy. 49 Poy Sippi
11/01/2018	COMPLETE		10049901	Un Trib (WBIC 247900) to Pine River at County H
03/07/2019 10:00	COMPLETE	182689568	703070	Upper Pine River at 17th Drive
03/07/2019 10:50	COMPLETE	182689536	703106	Pine River - Upper Pine R. Deadend Rd Off Roberts Rd
03/07/2019 11:25	COMPLETE	182689524	703047	Pine River - Above Hwy A
03/07/2019 11:45	COMPLETE	182689520	703073	Lower Pine River at 19th Drive
03/07/2019 12:00	COMPLETE	182689496	10022011	Davies Creek Upstream Hwy K
03/07/2019 12:15	COMPLETE	182689500	10007897	Humphrey Creek at CTH K
03/07/2019 12:37	COMPLETE	182689528	10007883	Pine River - Apache Road
03/07/2019 13:00	COMPLETE	182689504	703082	Kaminski Creek at Cth A
03/07/2019 13:30	COMPLETE	182689516	10016425	Lower Pine River - Cth A - Upstream
03/07/2019 13:54	COMPLETE	182689564	10048955	Unnamed Trib of Pine River - CTH A
03/07/2019 13:56	COMPLETE	182689556	10034803	Pine River below Saxeville Dam
03/07/2019 14:15	COMPLETE	182689532	703107	Pine River - Off 26th Rd At E. Frater Prop.
03/07/2019 15:00	COMPLETE	182689512	10007905	Little Silver Creek 13
03/07/2019 15:10	COMPLETE	182689508	10015814	Little Silver Creek - 28th Court
03/08/2019 10:35	COMPLETE	182689595	10051490	Pine River DS Pine River Millpond
03/08/2019 11:55	COMPLETE	182689492	10020683	Carpenter Creek At Bridge On CTH NN
03/08/2019 12:15	COMPLETE	182689488	10020685	Carpenter Creek 2 At Bridge On Cth M
03/08/2019 13:00	COMPLETE	182689544	10039602	Pine River at CTH H US of Poy Sippi Millpond
03/08/2019 14:09	COMPLETE	182689548	10032735	Pine River at Hwy. 49 Poy Sippi
03/08/2019 15:10	COMPLETE	182689560	10049901	Un Trib (WBIC 247900) to Pine River at County H

Documents

Title	Description	Author	Published	Comments
2018 Total Phosphorus Monitoring Report - Carpenter Creek At Bridge	This project will evaluate water quality improvements made in the Pine River Watershed from Best Management	Ilana Haimes	01/29/2019	

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Title	Description	Author	Published	Comments
On CTH NN	Practices installed from 1996 through 2002 as part of the Pine/Willow River Priority Watershed Project. Water Resources staff will use water and inorganic chemistry, habitat, fish, insects, temperature, and diatoms to determine the water quality conditions of the water resources in the watershed.			
2018 Total Phosphorus Monitoring Report - Davies Creek Upstream Hwy K	This project will evaluate water quality improvements made in the Pine River Watershed from Best Management Practices installed from 1996 through 2002 as part of the Pine/Willow River Priority Watershed Project. Water Resources staff will use water and inorganic chemistry, habitat, fish, insects, temperature, and diatoms to determine the water quality conditions of the water resources in the watershed.	Ilana Haimes	01/31/2019	
2018 Total Phosphorus Monitoring Report - Humphrey Creek at CTH K	This project will evaluate water quality improvements made in the Pine River Watershed from Best Management Practices installed from 1996 through 2002 as part of the Pine/Willow River Priority Watershed Project. Water Resources staff will use water and inorganic chemistry, habitat, fish, insects, temperature, and diatoms to determine the water quality conditions of the water resources in the watershed.	Ilana Haimes	01/17/2019	
2018 Total Phosphorus Monitoring Report - Lower Pine River - Cth A - Upstream	This project will evaluate water quality improvements made in the Pine River Watershed from Best Management Practices installed from 1996 through 2002 as part of the Pine/Willow River Priority Watershed Project. Water Resources staff will use water and inorganic chemistry, habitat, fish, insects, temperature, and diatoms to determine the water quality conditions of the water resources in the watershed.	Ilana Haimes	01/29/2019	
2018 Total Phosphorus Monitoring Report - Upper Pine River at 17th Drive	This project will evaluate water quality improvements made in the Pine River Watershed from Best Management Practices installed from 1996 through 2002 as part of the Pine/Willow River Priority Watershed Project. Water Resources staff will use water and inorganic chemistry, habitat, fish, insects, temperature, and diatoms to determine the water quality conditions of the water resources in the watershed.	Ilana Haimes	01/17/2019	
Priority Watershed Water Quality Evaluation for the Pine River Watershed, Waushara County,	Priority Watershed Water Quality Evaluation for the Pine River Watershed, Waushara County, Wisconsin	Bolha, David	01/14/2020	

Wisconsin Department of Natural Resources SWIMS Project Summary

Title	Description	Author	Published	Comments
Wisconsin (March 2020)				

Budget

Budget Description: Pine River FY18 Budget	Start Date: 01/18/2018	End Date: 06/30/2018
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Code	Description	Quantity	Units	Unit Cost	Total Cost	Comments
FTE	FTE Hours	120	Hours	\$0.00	\$0.00	
LTE SAL	LTE Salary	80	Hours	\$14.00	\$1,120.00	
LTE FR	LTE Fringe				\$276.64	
LTE IND	LTE Indirect				\$225.84	
LTE TOT	LTE Total Cost				\$1,622.48	
SUPPLY	Supplies	1		\$250.00	\$250.00	shipping cost, ice, and write-in-rain paper
EQUIP	Equipment	1		\$1,000.00	\$1,000.00	waders, 10 thermistors, polarized glasses
MILEAGE	Mileage	1000	Miles	\$0.62	\$620.00	
MEAL	Meals	14	Meals	\$10.00	\$140.00	
LODGE	Lodging				\$0.00	
TRAVEL	Travel Total				\$760.00	
BUG	Bug Contracts				\$0.00	
OTHER	Other Contracts				\$0.00	
USGS	USGS Costs				\$0.00	
TOTAL	Total Cost (excludes SLOH)				\$3,632.48	

Test Code	Description	Test Group	# Planned	Unit Cost	Total Cost
Total SLOH Lab Costs: \$0.00					
Total Budget: \$3,632.48					

Budget Description: Pine River FY19 Budget	Start Date: 07/01/2018	End Date: 06/30/2019
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Code	Description	Quantity	Units	Unit Cost	Total Cost	Comments
FTE	FTE Hours	470	Hours	\$0.00	\$0.00	
LTE SAL	LTE Salary	440	Hours	\$14.00	\$6,160.00	
LTE FR	LTE Fringe				\$1,521.52	
LTE IND	LTE Indirect				\$1,242.10	
LTE TOT	LTE Total Cost				\$8,923.62	
SUPPLY	Supplies	1		\$600.00	\$600.00	Ethanol, shipping cost, Ice, cable and nuts
EQUIP	Equipment				\$0.00	
MILEAGE	Mileage	3800	Miles	\$0.62	\$2,356.00	
MEAL	Meals	70	Meals	\$10.00	\$700.00	
LODGE	Lodging				\$0.00	
TRAVEL	Travel Total				\$3,056.00	
BUG	Bug Contracts	21		\$65.00	\$1,365.00	
OTHER	Other Contracts	8		\$200.00	\$1,600.00	Diatoms
USGS	USGS Costs				\$0.00	
TOTAL	Total Cost (excludes SLOH)				\$15,544.62	

Wisconsin Department of Natural Resources SWIMS Project Summary

Test Code	Description	Test Group	# Planned	Unit Cost	Total Cost
Total SLOH Lab Costs:				\$0.00	
Total Budget:				\$15,544.62	
Combined Budgets:				\$19,177.10	
Combined SLOH:				\$0.00	
Combined Total:				\$19,177.10	

Funding

Organization	Source	Type	Amount	Start Date	End Date
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