

Wisconsin Department of Natural Resources

SWIMS Project Summary

General Project Information

Project ID:	South_TWA_2_2016
Name:	Sinsinawa River Targeted Watershed Assessment, Grant County With 2021 and 2022 Addendum. NWQI Approved* Project
Type:	Targeted Watershed Approach
Subtype:	Evaluation (TP SSC, Stressor, Bioassess)
Status:	COMPLETE
Start Date:	1/1/2016
End Date:	12/31/2016
Purpose:	<p>This project monitored the contemporary status of streams in the watershed to evaluate its overall health. The department needed current fish, habitat, and macroinvertebrate data for streams in the watershed. Volunteers have collected phosphorus data at the watershed pour point; it exceeds the total phosphorus criteria. Fisheries determined the Sinsinawa River to be a very productive smallmouth bass system that has been subject to periodic fish kills. This survey will help determine priority area in which to work. The data was also used to determine whether streams in this system are achieving attainable use and to assess the overall health of the watershed as required by CWA Section 303(d) and Section 305(b). This project is located in HUC12 070600050203.</p> <p>Read the Sinsinawa River Targeted Watershed Assessment, Grant County</p> <p>*2021 and 2022 Update: Grant County and NRCS are developing a NWQI planning project for the Sinsinawa Watershed. Total phosphorus, total nitrogen, nitrate-nitrite, ammonia, and total suspended solids monitoring will be added to this project to get a baseline of concentrations in the watershed before BMP implementation begins as part of the NWQI project.</p> <p>*2023 Update: Grant County and NRCS have a draft NWQI plan for the Sinsinawa River watershed. The second draft should be sent to WDNR staff in early 2023 with the hopes of having the plan approved in the next few months. Total phosphorus, total nitrogen, nitrate-nitrite, ammonia, and total suspended solids monitoring will continue to be monitored to get a baseline of concentrations in the watershed before BMP implementation begins as part of the NWQI project.</p>
Objective:	<p>Data gathered by this project was used to determine management actions to take to protect a quality, highly vulnerable smallmouth bass fishery.</p> <p>It will also help the land conservation department and other interested organizations determine what and where certain best management practices can be most effective.</p> <p>*2021 and 2022 Update: Grant County and NRCS are developing a NWQI planning project for the Sinsinawa Watershed. Total phosphorus, total nitrogen, nitrate-nitrite, ammonia, and total suspended solids monitoring at 4 sites will be added to this project to get a baseline of concentrations in the watershed. The 4 stations to be monitored in 2021 and 2022 are: Galena River (Sinsinawa River) at Center Rd, Sinsinawa River at STH 11 near Hazel Green WI, Sinsinawa River at Sinsinawa Rd (Bi), and Unnamed Trib (941100) to Sinsinawa River at York Rd.</p> <p>*2023 Update: Grant County and NRCS have finalized and approved the Sinsinawa Watershed NWQI Plan. Total phosphorus, total nitrogen, nitrate-nitrite, ammonia, and total suspended solids will continue to be monitored at the 4 sites from 2021 and 2022. This data will help to determine baseline concentrations in the watershed. The 4 stations to be monitored in 2023 are: Galena River (Sinsinawa River) at Center Rd, Sinsinawa River at STH 11 near Hazel Green WI, Sinsinawa River at Sinsinawa Rd (Bi), and Unnamed Trib (941100) to Sinsinawa River at York Rd.</p>
Comments:	

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Outcome: Fisheries, habitat, and macroinvertebrate data will be collected on 12 sites in the watershed (HUC 12).

Data will be collected during the field season of the 2016 calendar year.

Data will be entered into the FH database and SWIMS. Updated streams narratives and watershed reports will be entered into SWIMS and WATERS.

All data will be entered into the respective database by December, 2016 or whenever it becomes available.

Final report will be drafted in winter 2017/18.

*2021 and 2022 Update: Grant County and NRCS are developing a NWQI planning project for the Sinsinawa Watershed. Total phosphorus, total nitrogen, nitrate-nitrite, ammonia, and total suspended solids monitoring at 4 sites will be added to this project to get a baseline of concentrations in the watershed. The baseline data will help to determine concentrations of the parameters listed above before BMP implementation begins as part of the NWQI project.

*2023 Update: Grant County and NRCS are developing a NWQI planning project for the Sinsinawa Watershed. Total phosphorus, total nitrogen, nitrate-nitrite, ammonia, and total suspended solids will continue to be monitored at 4 sites to get a baseline of concentrations in the watershed. The baseline data will help to determine concentrations of the parameters listed above before BMP implementation begins as part of the NWQI project.

Study Design: Data will be collected in accordance with accepted department SOPs and techniques.

QA Measures: Standard DNR and SLOH protocols will be followed.

People

Name	Role	Status	Start Date	End Date	Organization	Comments
AMRHEIN, JAMES F	PROJECT_LEAD	COMPLETE	12/16/2015	7/16/2022	Wisconsin DNR	
BRUHN, CAMILLE M	TEAM_MEMBER	ACTIVE	1/1/2016	12/31/2024	Wisconsin DNR	
Helmuth, Lisa D	COORDINATOR	INACTIVE	11/23/2019	2/20/2020	Wisconsin DNR	
Perdzock, Amanda R	COORDINATOR	INACTIVE	4/4/2018	8/1/2019	Wisconsin DNR	new job.

Project Statuses

Date	Reported By	Status	Comments
2/1/2016	JAMES AMRHEIN	Proposed	
12/16/2016	JAMES AMRHEIN	Progress: 50-75% Complete	Field work completed. Waiting for bug results. Final report expected to be written winter 2017/18.
12/12/2017	JAMES AMRHEIN	Complete	Final report has been written. WRM plan is being developed with help of CO.
2/10/2020	Lisa Helmuth	Public Comment Period	Document has been formatted and reviewed and approved by biologist for public comment period. Await supervisor approval for March 2020 public comment.
2/15/2021	CAMILLE BRUHN	Proposed	TP monitoring is being proposed for this project due to the development of a NWQI project for the watershed between Grant County and NRCS.
1/11/2022	CAMILLE BRUHN	Active	TP monitoring is being proposed for this project due to the development of a NWQI project for the watershed between Grant County and NRCS. 4 sites were monitored for water chemistry in 2021. Would like to continue monitoring water chemistry at the same 4 sites in 2022. The NWQI project is still being developed. Currently they are developing a watershed communication plan that will help to engage landowners in BMP practices.

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1/26/2023	CAMILLE BRUHN	Active	TP monitoring is being proposed for this project due to the development of a NWQI project for the watershed between Grant County and NRCS. 4 sites were monitored for water chemistry in 2021 and 2022. Would like to continue monitoring water chemistry at the same 4 sites in 2023. The NWQI project is in the draft stage and will hopefully be approved soon. Currently they are developing a watershed communication plan that will help to engage landowners in BMP practices.
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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).	4 sites (Station IDs: 223237, 223252, 223251, 223232)
2. Number of Sample Events (Indicate how many trips into the field you anticipate for this project).	6 monthly water chemistry samples collected by a WAV
3. Proposed Dates for Sample Collection	May, June, July, August, September, October
4. List applicable databases and who will enter data?	SWIMS- data entered by the SLH
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?	No associated reports necessary.
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 Fish Community		12/16/2015	12/31/2099	COMPLETE
Monitor Stressor Identification		12/16/2015	12/31/2099	COMPLETE
Water Quality Planning		12/16/2015	12/31/2099	COMPLETE
Monitor Watershed (Status,Sources,Impairments)		12/16/2015	12/31/2099	COMPLETE
Monitor or Propose 303(d) Listing	Fisheries has determined the Sinsinawa River to be a very productive smallmouth bass system that has been subject to periodic fish kills. This survey will help determine priority area in which to work. The data will also be used to determine whether streams in this system are achieving their attainable use and assess the overall health of the watershed as required by Section 303(d) and Section 305(b) of the Clean Water Act.	1/1/2016	12/31/2016	COMPLETE

Details: Parameter		Value/Amount	Units	Comments	
Total Nitrogen					
Total Phosphorus					
Total Suspended Solids					
Monitor Targeted Watershed Area (TWA)			3/1/2017	12/31/2017	COMPLETE
Monitor Water Quality or Sediment	2021 Addendum- monitor 4 sites for total phosphorus, total nitrogen, nitrate-nitrite as N, ammonia, total suspended solids for the early stages of the NWQI project development.		5/1/2021	12/31/2022	PROPOSED

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Details: Parameter	Value/Amount	Units	Comments
Arsenic - Concentration (Sediment)			
Mercury (Fish Tissue)			
PAHs - (Fish Tissue, Sediment)			
PCBs - Concentration (sediment)			

Monitoring Stations		
Station ID	Name	Comments
223252	Galena River (Sinsinawa River) - Center Rd	
223251	Sinisinawa River - STH 11, near Hazel Green WI	
223323	Sinsinawa River - Louisburg Rd	
223232	Sinsinawa River - Sinsinawa Rd. (Bi)	
10046946	Sinsinawa River at farm drive off 1595 Center Drive	
10044974	Unnamed Trib (940700) to Sinsinawa R at Park Lane	
223235	Unnamed Trib (940800) to Sinsinawa River - Mill Rd.Bi	
10044973	Unnamed Trib (941000) to Sinsinawa R at York Rd	
223237	Unnamed Trib (941100) to Sinsinawa R - York Rd	
223239	Unnamed Trib (941100) to Sinsinawa River - North Hollow Rd	
223241	Unnamed Trib (941400) to Sinsinawa River - Kirkwood Rd	

Assessment Units			
WBIC	Segment	Local Name	Official Name
940200	1	Sinsinawa River	Sinsinawa River
940700	1	Unnamed Trib to Sinsinawa R	Unnamed
940800	1	Unnamed Trib to Sinsinawa River	Unnamed
941000	1	Unnamed Trib to Sinsinawa River	Unnamed
941100	1	Un Trib To Sinsinawa River	Unnamed
941400	1	Local Water	Unnamed

Lab Account Codes			
Account Code	Description	Start Date	End Date
WQ002	TARGETED WATERSHED ASSESSMENTS	3/26/2014	12/31/2099
WT943	Proposed Projects	12/16/2010	12/31/2023
WT943	Proposed Projects	12/16/2010	6/30/2021

Forms	
Form Code	Form Name

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Methods	
Method Code	Method Description
FISH SURVEY BASELINE PROTOCOLS	Fish Survey Baseline Protocols 2004
HABITAT SURVEY BASELINE QUANTITATIVE	Habitat Baseline Survey Quantitative 2004
KICKNET SAMPLING - MACROINVERTEBRATE DATA COLLECTION	Macroinvertebrate Kicknet Data Collection 2000
DNR-FPM 2301 OPEN CHANNEL FLOW MEASUREMENT	Open Channel Flow Measurement

Fieldwork Events				
Start Date	Status	Field ID	Station ID	Station Name
5/27/2016 12:00	COMPLETE		223323	Sinsinawa River - Louisburg Rd
5/27/2016 13:00	COMPLETE		223232	Sinsinawa River - Sinsinawa Rd. (Bi)
10/18/2016	COMPLETE	20161018-22-01	223237	Unnamed Trib (941100) to Sinsinawa R - York Rd
10/18/2016	COMPLETE	20161018-22-02	223252	Galena River (Sinsinawa River) - Center Rd
10/18/2016	COMPLETE	20161018-22-03	223323	Sinsinawa River - Louisburg Rd
10/18/2016	COMPLETE	20161018-22-04	10044974	Unnamed Trib (940700) to Sinsinawa R at Park Lane
10/18/2016	COMPLETE	20161018-22-05	223235	Unnamed Trib (940800) to Sinsinawa River - Mill Rd.Bi
10/18/2016	COMPLETE	20161018-22-06	223232	Sinsinawa River - Sinsinawa Rd. (Bi)
5/14/2021 9:49	COMPLETE	UNNYK-2021-MAY	223237	Unnamed Trib (941100) to Sinsinawa R - York Rd
5/14/2021 10:05	COMPLETE	GRCN-2021-MAY	223252	Galena River (Sinsinawa River) - Center Rd
5/14/2021 10:30	COMPLETE	SW11-2021-MAY	223251	Sinsinawa River - STH 11, near Hazel Green WI
5/14/2021 10:52	COMPLETE	SWSW-2021-MAY	223232	Sinsinawa River - Sinsinawa Rd. (Bi)
6/16/2021 13:00	COMPLETE	UNNYK-2021-JUN	223237	Unnamed Trib (941100) to Sinsinawa R - York Rd
6/16/2021 13:15	COMPLETE	GRCN-2021-JUN	223252	Galena River (Sinsinawa River) - Center Rd
6/16/2021 13:40	COMPLETE	SW11-2021-JUN	223251	Sinsinawa River - STH 11, near Hazel Green WI
6/16/2021 14:00	COMPLETE	SWSW-2021-JUN	223232	Sinsinawa River - Sinsinawa Rd. (Bi)
7/15/2021 11:15	COMPLETE	UNNYK-2021-JUL	223237	Unnamed Trib (941100) to Sinsinawa R - York Rd
7/15/2021 11:30	COMPLETE	GRCN-2021-JUL	223252	Galena River (Sinsinawa River) - Center Rd
7/15/2021 11:30	COMPLETE	GRCN-2021-JULDUP	223252	Galena River (Sinsinawa River) - Center Rd
7/15/2021 11:45	COMPLETE	SW11-2021-JUL	223251	Sinsinawa River - STH 11, near Hazel Green WI
7/15/2021 12:00	COMPLETE	SWSW-2021-JUL	223232	Sinsinawa River - Sinsinawa Rd. (Bi)
8/25/2021 14:00	COMPLETE	UNNYK-2021-AUG	223237	Unnamed Trib (941100) to Sinsinawa R - York Rd
8/25/2021 14:10	COMPLETE	GRCN-2021-AUG	223252	Galena River (Sinsinawa River) - Center Rd

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8/25/2021 14:30	COMPLETE	SW11-2021-AUG	223251	Sinisinawa River - STH 11, near Hazel Green WI
8/25/2021 14:45	COMPLETE	SWSW-2021-AUG	223232	Sinsinawa River - Sinsinawa Rd. (Bi)
9/15/2021 11:05	COMPLETE	UNNYK-2021-SEP	223237	Unnamed Trib (941100) to Sinsinawa R - York Rd
9/15/2021 11:15	COMPLETE	GRCN-2021-SEP	223252	Galena River (Sinsinawa River) - Center Rd
9/15/2021 11:25	COMPLETE	SW11-2021-SEP	223251	Sinisinawa River - STH 11, near Hazel Green WI
9/15/2021 11:40	COMPLETE	SWSW-2021-SEP	223232	Sinsinawa River - Sinsinawa Rd. (Bi)
10/27/2021 10:05	COMPLETE	UNNYK-2021-OCT	223237	Unnamed Trib (941100) to Sinsinawa R - York Rd
10/27/2021 10:10	COMPLETE	GRCN-2021-OCT	223252	Galena River (Sinsinawa River) - Center Rd
10/27/2021 10:30	COMPLETE	SW11-2021-OCT	223251	Sinisinawa River - STH 11, near Hazel Green WI
10/27/2021 10:30	COMPLETE	SW11-2021-OCTDUP	223251	Sinisinawa River - STH 11, near Hazel Green WI
10/27/2021 10:45	COMPLETE	SWSW-2021-OCT	223232	Sinsinawa River - Sinsinawa Rd. (Bi)
5/17/2022 10:30	COMPLETE	UTSR-2022-MAY	223237	Unnamed Trib (941100) to Sinsinawa R - York Rd
5/17/2022 10:50	COMPLETE	GRSR-2022-MAY	223252	Galena River (Sinsinawa River) - Center Rd
5/17/2022 11:15	COMPLETE	SRHG-2022-MAY	223251	Sinisinawa River - STH 11, near Hazel Green WI
5/17/2022 11:35	COMPLETE	SRSR-2022-MAY	223232	Sinsinawa River - Sinsinawa Rd. (Bi)
6/13/2022 10:25	COMPLETE	UTSR-2022-JUNE	223237	Unnamed Trib (941100) to Sinsinawa R - York Rd
7/18/2022 11:15	COMPLETE	UTSR-2022-JULY	223237	Unnamed Trib (941100) to Sinsinawa R - York Rd
8/15/2022 9:40	COMPLETE	UTSR-2022-AUG	223237	Unnamed Trib (941100) to Sinsinawa R - York Rd
9/13/2022 10:05	COMPLETE	UTSR-2022-SEPT	223237	Unnamed Trib (941100) to Sinsinawa R - York Rd
10/18/2022 10:20	COMPLETE	UTSR-2022-OCT	223237	Unnamed Trib (941100) to Sinsinawa R - York Rd
5/18/2023 9:20	COMPLETE	UTYR-2023-MAY	223237	Unnamed Trib (941100) to Sinsinawa R - York Rd
5/18/2023 9:35	COMPLETE	GRCR-2023-MAY	223252	Galena River (Sinsinawa River) - Center Rd
5/18/2023 9:54	COMPLETE	SRHG-2023-MAY	223251	Sinisinawa River - STH 11, near Hazel Green WI
5/18/2023 10:08	COMPLETE	SRSR-2023-MAY	223232	Sinsinawa River - Sinsinawa Rd. (Bi)
7/19/2023 7:30	COMPLETE	UTYR-2023-JULY	223237	Unnamed Trib (941100) to Sinsinawa R - York Rd
7/19/2023 7:50	COMPLETE	CRCR-2023-JULY	223252	Galena River (Sinsinawa River) - Center Rd
7/19/2023 8:10	COMPLETE	SRHG-2023-JULY	223251	Sinisinawa River - STH 11, near Hazel Green WI
7/19/2023 8:25	COMPLETE	SRSR-2023-JULY	223232	Sinsinawa River - Sinsinawa Rd. (Bi)
8/16/2023 8:00	COMPLETE	UTYR-2023-AUG	223237	Unnamed Trib (941100) to Sinsinawa R - York Rd
8/16/2023 8:10	COMPLETE	GRCR-2023-AUG	223252	Galena River (Sinsinawa River) - Center Rd
8/16/2023 8:32	COMPLETE	SRHG-2023-AUG	223251	Sinisinawa River - STH 11, near Hazel Green WI
8/16/2023 8:44	COMPLETE	SRSR-2023-AUG	223232	Sinsinawa River - Sinsinawa Rd. (Bi)
9/20/2023 6:50	COMPLETE	UTYR-2023-SEP	223237	Unnamed Trib (941100) to Sinsinawa R - York Rd
9/20/2023 7:05	COMPLETE	GRCR-2023-SEP	223252	Galena River (Sinsinawa River) - Center Rd
9/20/2023 7:20	COMPLETE	SRHG-2023-SEP	223251	Sinisinawa River - STH 11, near Hazel Green WI

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9/20/2023 7:35	COMPLETE	SRSR-2023-SEP	223232	Sinsinawa River - Sinsinawa Rd. (Bi)
10/18/2023 7:30	COMPLETE	UTYR-2023-OCT	223237	Unnamed Trib (941100) to Sinsinawa R - York Rd
10/18/2023 7:45	COMPLETE	GRCR-2023-OCT	223252	Galena River (Sinsinawa River) - Center Rd
10/18/2023 8:10	COMPLETE	SRHG-2023-OCT	223251	Sinsinawa River - STH 11, near Hazel Green WI
10/18/2023 8:30	COMPLETE	SRSR-2023-OCT	223232	Sinsinawa River - Sinsinawa Rd. (Bi)
	SCHEDULED	GRCR-2023-	223252	Galena River (Sinsinawa River) - Center Rd
	SCHEDULED	SRHG-2023-	223251	Sinsinawa River - STH 11, near Hazel Green WI
	SCHEDULED	SRSR-2023-	223232	Sinsinawa River - Sinsinawa Rd. (Bi)
	SCHEDULED	UTYR-2023-	223237	Unnamed Trib (941100) to Sinsinawa R - York Rd

Documents

Title	Description	Author	Published	Comments
An Assessment of Water Quality in the Sinsinawa River Watershed 2016 Grant County, TWA-Monitoring Report	A narrative that describes the results and recommendations based on the Sinsinawa River Targeted Watershed Assessment conducted in 2016.	James Amrhein, Wisconsin DNR	5/1/2017	
Landscape (1) Sinsinawa River TWA 2016 project (940200) photo by James Amrhein	Landscape (1) Sinsinawa River TWA 2016 project (940200) photo by Jim Amrhein	Amrhein, James	5/27/2016	
Landscape (2) Sinsinawa River TWA 2016 project (940200) photo by Jim Amrhein	Landscape (2) Sinsinawa River TWA 2016 project (940200) photo by Jim Amrhein	Amrhein, James	5/27/2016	
Landscape (3) Sinsinawa River TWA 2016 project (940200) photo by Jim Amrhein	Landscape (3) Sinsinawa River TWA 2016 project (940200) photo by Jim Amrhein	Amrhein, James	5/27/2016	
Landscape (4) Sinsinawa River TWA 2016 project (940200) photo by Jim Amrhein	Landscape (4) Sinsinawa River TWA 2016 project (940200) photo by Jim Amrhein	Amrhein, James	5/27/2016	
Landscape (5) Sinsinawa River TWA 2016 project (940200) photo by Jim Amrhein	Landscape (5) Sinsinawa River TWA 2016 project (940200) photo by Jim Amrhein	Amrhein, James	5/27/2016	
Landscape (6) Sinsinawa River TWA 2016 project (940200) photo by Jim Amrhein	Landscape (6) Sinsinawa River TWA 2016 project (940200) photo by Jim Amrhein	Amrhein, James	5/27/2016	
Landscape (7) Sinsinawa River TWA 2016 project (940200) photo by James Amrhein	Landscape (7) Sinsinawa River TWA 2016 project (940200) photo by James Amrhein	Amrhein, James	5/27/2016	

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Landscape (8) Sinsinawa River TWA 2016 project (940200) photo by Jim Amrhein	Landscape (8) Sinsinawa River TWA 2016 project (940200) photo by Jim Amrhein	Amrhein, James	5/27/2016	
Riffle (1) - Sinsinawa River at Sinsinawa Rd (940200) photo by Amrhein, James	Riffle (1) - Sinsinawa River at Sinsinawa Rd (940200) photo by Amrhein, James	Amrhein, James	8/16/2016	
Riffle (2) - Sinsinawa River at Sinsinawa Rd (940200) photo by Amrhein, James	Riffle (2) - Sinsinawa River at Sinsinawa Rd (940200) photo by Amrhein, James	Amrhein, James	8/16/2016	
Sinsinawa R - Louisberg Rd NC Validation		Amrhein, James	2/21/2018	
Sinsinawa River - Downstream at Sinsinawa Rd (940200) photo by James Amrhein	Sinsinawa River - Downstream at Sinsinawa Rd (940200) photo by James Amrhein	Amrhein, James	5/27/2016	
Sinsinawa River - downstream at Louisberg Rd (940200) photo by JAmes Amrhein	Sinsinawa River - downstream at Louisberg Rd (940200) photo by JAmes Amrhein	Amrhein, James	5/2/2016	
Sinsinawa River - upstream at Louisberg Rd (940200) photo by JAmes Amrhein	Sinsinawa River - upstream at Louisberg Rd (940200) photo by JAmes Amrhein	Amrhein, James		
Sinsinawa River - upstream at Sinsinawa Rd (940200) photo by James Amrhein	Sinsinawa River - upstream at Sinsinawa Rd (940200) photo by James Amrhein	Amrhein, James	5/27/2016	
Sinsinawa River - upstream at Sinsinawa Rd(2) (940200) photo by James Amrhein	Sinsinawa River - upstream at Sinsinawa Rd(2) (940200) photo by James Amrhein	Amrhein, James	5/27/2016	
Sinsinawa River - upstream at Sinsinawa Rd(3) (940200) photo by James Amrhein	Sinsinawa River - upstream at Sinsinawa Rd(3) (940200) photo by James Amrhein	Amrhein, James	5/27/2016	
Sinsinawa River Targeted Watershed Assessment: A Water Quality Report to Restore Wisconsin Watersheds	Assessments and recommendations for the Watershed. Sinsinawa River Targeted Watershed Assessment: A Water Quality Report to Restore Wisconsin Watersheds, 2018	Amrhein, James	3/23/2020	
Sinsinawa River at Sinsinawa Rd Bridge (940200) photo by James Amrhein	Sinsinawa River at Sinsinawa Rd Bridge (640200) photo by James Amrhein	Amrhein, James	8/16/2016	
Sinsinawa River at Smally (940200) photo by James Amrhein	Sinsinawa River at Smally (940200) photo by James Amrhein	Amrhein, James	5/27/2016	
Sinsinawa River at Smally(2) (940200) photo by James Amrhein	Sinsinawa River at Smally(2) (940200) photo by James Amrhein	Amrhein, James	5/27/2016	

Budget

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Budget Description:	Sinsinawa Jan - June 2016	Start Date:	1/1/2016	End Date:	6/30/2016
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Code	Description	Quantity	Units	Unit Cost	Total Cost	Comments
FTE	FTE Hours	48	Hours	\$0.00	\$0.00	2 FTE x 3 trips x 8 hrs/day
LTE SAL	LTE Salary	24	Hours	\$13.00	\$312.00	1 LTE x 3 Trips x 8 hours/trip
LTE FR	LTE Fringe				\$77.06	
LTE IND	LTE Indirect				\$62.91	
LTE TOT	LTE Total Cost				\$451.98	
SUPPLY	Supplies				\$0.00	
EQUIP	Equipment				\$0.00	
MILEAGE	Mileage	540	Miles	\$0.64	\$345.60	3 trips x 180 miles/trip
MEAL	Meals	10	Meals	\$4.00	\$40.00	
LODGE	Lodging				\$0.00	
TRAVEL	Travel Total				\$385.60	
BUG	Bug Contracts				\$0.00	
OTHER	Other Contracts				\$0.00	
USGS	USGS Costs				\$0.00	
TOTAL	Total Cost (excludes SLOH)				\$837.58	

Total WSLH Lab Costs: \$0.00
Total Budget: \$837.58

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Budget Description:	Sinsinawa July - Dec 2016	Start Date:	7/1/2016	End Date:	12/31/2016
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Code	Description	Quantity	Units	Unit Cost	Total Cost	Comments
FTE	FTE Hours	64	Hours	\$0.00	\$0.00	2 FTE x 4 Trips x 8 hours/trip
LTE SAL	LTE Salary	24	Hours	\$13.00	\$312.00	1 LTE x 3 Trips x 8 hours/trip
LTE FR	LTE Fringe				\$77.06	
LTE IND	LTE Indirect				\$62.91	
LTE TOT	LTE Total Cost				\$451.98	
SUPPLY	Supplies				\$0.00	
EQUIP	Equipment				\$0.00	
MILEAGE	Mileage	640	Miles	\$0.64	\$409.60	4 trips x 160 miles/trip
MEAL	Meals	11	Meals	\$4.00	\$44.00	
LODGE	Lodging				\$0.00	
TRAVEL	Travel Total				\$453.60	
BUG	Bug Contracts	7		\$185.00	\$1,295.00	
OTHER	Other Contracts	2		\$200.00	\$400.00	Diatom analysis
USGS	USGS Costs				\$0.00	
TOTAL	Total Cost (excludes SLOH)				\$2,600.58	

Total WSLH Lab Costs: \$0.00
Total Budget: \$2,600.58

Wisconsin Department of Natural Resources
SWIMS Project Summary

Budget Description: FY21 May-June			Start Date: 5/1/2021	End Date: 6/30/2021
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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	2		\$100.00	\$200.00	Shipping Costs from Lancaster to SLOH 2 months
USGS	USGS Costs				\$0.00	
TOTAL	Total Cost (excludes SLOH)				\$200.00	SLOH is only cost- hoping to get WAV to collect growing season samples at 4 sites

Test Code	Description	Test Group	# Planned	Unit Cost	Total Cost
ICC44001	AMMONIA, DISSOLVED COLORIMETRIC, LOW	INORGANIC CHEM DEPT	8	\$32.00	\$256.00
ICC46000	NITRATE + NITRITE AS N	INORGANIC CHEM DEPT	8	\$32.00	\$256.00
ICC46601	TN BY COLORIMETRIC TOTAL	INORGANIC CHEM DEPT	8	\$32.00	\$256.00
ICC52010	PHOSPHORUS TOTAL	INORGANIC CHEM DEPT	8	\$28.00	\$224.00
ICC53000	ORTHO PHOSPHATE, COLORIMETRIC	INORGANIC CHEM DEPT	8	\$32.00	\$256.00
ICC65000	SUSPENDED SOLIDS	INORGANIC CHEM DEPT	8	\$24.00	\$192.00

Total WSLH Lab Costs: \$1,440.00

Total Budget: \$1,640.00

Wisconsin Department of Natural Resources
SWIMS Project Summary

Budget Description: FY2022 FY22 July-December			Start Date: 7/1/2021	End Date: 12/31/2021
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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	4		\$100.00	\$400.00	Shipping Costs from Lancaster to SLOH 4 months
USGS	USGS Costs				\$0.00	
TOTAL	Total Cost (excludes SLOH)				\$400.00	SLOH is only cost- hoping to get WAV to collect growing season samples at 4 sites

Test Code	Description	Test Group	# Planned	Unit Cost	Total Cost
ICC44001	AMMONIA, DISSOLVED COLORIMETRIC, LOW	INORGANIC CHEM DEPT	16	\$32.00	\$512.00
ICC46000	NITRATE + NITRITE AS N	INORGANIC CHEM DEPT	16	\$32.00	\$512.00
ICC46601	TN BY COLORIMETRIC TOTAL	INORGANIC CHEM DEPT	16	\$32.00	\$512.00
ICC52010	PHOSPHORUS TOTAL	INORGANIC CHEM DEPT	16	\$28.00	\$448.00
ICC53000	ORTHO PHOSPHATE, COLORIMETRIC	INORGANIC CHEM DEPT	16	\$32.00	\$512.00
ICC65000	SUSPENDED SOLIDS	INORGANIC CHEM DEPT	16	\$24.00	\$384.00

Total WSLH Lab Costs: \$2,880.00

Total Budget: \$3,280.00

Wisconsin Department of Natural Resources
SWIMS Project Summary

Budget Description: FY2022 FY22 May-June; 2022 Field Season Water Chem **Start Date:** 5/1/2022 **End Date:** 6/30/2022

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	2		\$100.00	\$200.00	shipping costs from Platteville to SLOH for 2 months
USGS	USGS Costs				\$0.00	
TOTAL	Total Cost (excludes SLOH)				\$200.00	

Test Code	Description	Test Group	# Planned	Unit Cost	Total Cost
ICC44001	AMMONIA, DISSOLVED COLORIMETRIC, LOW	INORGANIC CHEM DEPT	8	\$32.00	\$256.00
ICC46000	NITRATE + NITRITE AS N	INORGANIC CHEM DEPT	8	\$32.00	\$256.00
ICC46601	TN BY COLORIMETRIC TOTAL	INORGANIC CHEM DEPT	8	\$32.00	\$256.00
ICC52010	PHOSPHORUS TOTAL	INORGANIC CHEM DEPT	8	\$28.00	\$224.00
ICC53000	ORTHO PHOSPHATE, COLORIMETRIC	INORGANIC CHEM DEPT	8	\$32.00	\$256.00
ICC65000	SUSPENDED SOLIDS	INORGANIC CHEM DEPT	8	\$24.00	\$192.00

Total WSLH Lab Costs: \$1,440.00

Total Budget: \$1,640.00

Wisconsin Department of Natural Resources
SWIMS Project Summary

Budget Description: FY2023 FY23 July-December; 2022 Field Season Water Chem **Start Date:** 7/1/2022 **End Date:** 12/31/2022

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	4		\$100.00	\$400.00	shipping costs from Platteville to SLOH for 4 months
USGS	USGS Costs				\$0.00	
TOTAL	Total Cost (excludes SLOH)				\$400.00	

Test Code	Description	Test Group	# Planned	Unit Cost	Total Cost
ICC44001	AMMONIA, DISSOLVED COLORIMETRIC, LOW	INORGANIC CHEM DEPT	16	\$32.00	\$512.00
ICC46000	NITRATE + NITRITE AS N	INORGANIC CHEM DEPT	16	\$32.00	\$512.00
ICC46601	TN BY COLORIMETRIC TOTAL	INORGANIC CHEM DEPT	16	\$32.00	\$512.00
ICC52010	PHOSPHORUS TOTAL	INORGANIC CHEM DEPT	16	\$28.00	\$448.00
ICC53000	ORTHO PHOSPHATE, COLORIMETRIC	INORGANIC CHEM DEPT	16	\$32.00	\$512.00
ICC65000	SUSPENDED SOLIDS	INORGANIC CHEM DEPT	16	\$24.00	\$384.00

Total WSLH Lab Costs: \$2,880.00

Total Budget: \$3,280.00

Wisconsin Department of Natural Resources
SWIMS Project Summary

Budget Description: FY23 May-June; 2023 Field Season Water Chem Start Date: 5/1/2023 End Date: 6/30/2023

Code	Description	Quantity	Units	Unit Cost	Total Cost	Comments
FTE	FTE Hours	6	Hours	\$0.00	\$0.00	Time for Camille to train WAV
LTE SAL	LTE Salary		Hours	\$17.00	\$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	1		\$25.00	\$25.00	bucket and rope for sampling
MILEAGE	Mileage	180	Miles	\$0.72	\$129.60	180mi round trip x 1 trips for training
MEAL	Meals	1	Meals	\$11.00	\$11.00	1 Trip to train WAV
LODGE	Lodging				\$0.00	
TRAVEL	Travel Total				\$140.60	
BUG	Bug Contracts				\$0.00	
OTHER	Other Contracts	2		\$100.00	\$200.00	Shipping costs from Platteville to SLH for 2 months, IF we get a WAV
USGS	USGS Costs				\$0.00	
TOTAL	Total Cost (excludes SLOH)				\$365.60	

Test Code	Description	Test Group	# Planned	Unit Cost	Total Cost
ICC44001	AMMONIA, DISSOLVED COLORIMETRIC, LOW	INORGANIC CHEM DEPT	8	\$32.00	\$256.00
ICC46000	NITRATE + NITRITE AS N	INORGANIC CHEM DEPT	8	\$32.00	\$256.00
ICC46601	TN BY COLORIMETRIC TOTAL	INORGANIC CHEM DEPT	8	\$32.00	\$256.00
ICC52010	PHOSPHORUS TOTAL	INORGANIC CHEM DEPT	8	\$28.00	\$224.00
ICC53000	ORTHO PHOSPHATE, COLORIMETRIC	INORGANIC CHEM DEPT	8	\$32.00	\$256.00
ICC65000	SUSPENDED SOLIDS	INORGANIC CHEM DEPT	8	\$24.00	\$192.00

Total WSLH Lab Costs: \$1,440.00
Total Budget: \$1,805.60

Wisconsin Department of Natural Resources
SWIMS Project Summary

Budget Description: FY24 July-December; 2023 Field Season Water Chem

Start Date: 7/1/2023

End Date: 12/31/2023

Code	Description	Quantity	Units	Unit Cost	Total Cost	Comments
FTE	FTE Hours		Hours	\$0.00	\$0.00	
LTE SAL	LTE Salary		Hours	\$17.00	\$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	4		\$100.00	\$400.00	Shipping costs from Platteville to SLH for 4 months, IF we get a WAV
USGS	USGS Costs				\$0.00	
TOTAL	Total Cost (excludes SLOH)				\$400.00	

Test Code	Description	Test Group	# Planned	Unit Cost	Total Cost
ICC44001	AMMONIA, DISSOLVED COLORIMETRIC, LOW	INORGANIC CHEM DEPT	16	\$32.00	\$512.00
ICC46000	NITRATE + NITRITE AS N	INORGANIC CHEM DEPT	16	\$32.00	\$512.00
ICC46601	TN BY COLORIMETRIC TOTAL	INORGANIC CHEM DEPT	16	\$32.00	\$512.00
ICC52010	PHOSPHORUS TOTAL	INORGANIC CHEM DEPT	16	\$28.00	\$448.00
ICC53000	ORTHO PHOSPHATE, COLORIMETRIC	INORGANIC CHEM DEPT	16	\$32.00	\$512.00
ICC65000	SUSPENDED SOLIDS	INORGANIC CHEM DEPT	16	\$24.00	\$384.00

Total WSLH Lab Costs: \$2,880.00

Total Budget: \$3,280.00

Combined Budgets: \$5,403.75

Combined WSLH: \$12,960.00

Combined Total: \$18,363.75

Funding					
Organization	Source	Type	Amount	Start Date	End Date