

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: East_TWA_4_2015

Name: Lower Little Wolf TWA WQM Plan, 2017

Type: Targeted Watershed Approach

Subtype: Effectiveness (BMP, Other)

Status: COMPLETE

Start Date: 3/1/2015

End Date: 12/31/2016

Purpose: This project will evaluate water quality improvements made in the Lower Little Wolf River Watershed from Best Management Practices installed in the watershed from 1997 through 2008 as part of the Lower Little Wolf River Priority Watershed Project. [TWA HUC10-0403020217]

Objective: This project will evaluate the effectiveness of BMPs installed in 4 HUC 12 watersheds in the Lower Little Wolf River HUC 10-0403020217 watershed following a Priority Watershed Project in 1997. This project determined if the goals of the Priority Watershed Project to protect and improve the watershed water quality were met.

Monitoring will be conducted in 9 WBICs: 279600, 280100, 272400, 280700, 280900, 283000, 283100, 283400, 284900.

Aquatic macroinvertebrate samples will be collected at 11 locations. Quantitative Habitat assessments will be conducted at 11 locations. Fish surveys will be conducted at 14 locations. Temperature thermistors will be deployed at 16 locations. Inorganic chemistry (TP, TDP, TSS and NO3) monitoring will be conducted at 12 locations.

Comments: This is a 1 year project.

Outcome: Water quality monitoring will be conducted at 18 locations.

Aquatic macroinvertebrates will be collected at 11 locations in October 2015. Two days of sampling and 1 day to represerve and transport to UWSP. All data will be entered into SWIMS database by UWSP staff by 12/30/2016.

Quantitative Habitat surveys will be conducted at 11 locations in FY16. Four sampling days in FY16 are needed to complete this monitoring and 1 day to enter the data into database. All data will be entered into FMDB by Water Resources staff by 12/31/2015.

Fish surveys will be conducted at 14 locations in FY16. Six days of sampling will be completed for the field surveys from July through September 2015. All fish data will be entered into the FMDB by Water Resources staff by 12/31/2015.

Thermistors will be deployed at 16 locations from May to October 2015 to collect temperature data. Six sampling days will occur to deploy and retrieve the thermistors. All data will be uploaded into SWIMS by Water Resources staff by 06/30/2016.

Inorganic chemistry (TP, TDP, TSS and NO3) monitoring will be conducted at 12 locations. Sampling will occur once per month May through October 2015 for TP at 12 locations. Sampling will occur once per month May through October 2015 for TSS at 10 locations. Sampling for TDP and NO3 at 12 locations once per month in May, July, and September 2015. All samples will be sent to Wisconsin State Lab of Hygiene for analysis and will be entered by the lab into SWIMS by 06/30/2016.

A final report will be written and attached to this project by 12/31/2016.

Study Design: Aquatic macroinvertebrate samples will be collected at 11 locations. Quantitative Habitat assessments will be conducted at 11 locations. Fish surveys will be conducted at 14 locations. Temperature thermistors will be deployed at 16 locations. Inorganic chemistry (TP, TDP, TSS and NO3) monitoring will be conducted at 12 locations.

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

People

Name	Role	Status	Start Date	End Date	Organization	Comments
BOLHA, DAVID A	PROJECT_LEAD	ACTIVE	3/1/2015	12/31/2016	Wisconsin DNR	

5/8/2024

Wisconsin Department of Natural Resources SWIMS Project Summary

DICKMANN, JACOB C	TEAM_MEMBER	COMPLETE	3/1/2015	12/31/2016	Wisconsin DNR	
Helmuth, Lisa D	COORDINATOR	INACTIVE	11/23/2019	12/28/2022	Wisconsin DNR	
MAASS, JEREMY L	TEAM_MEMBER	ACTIVE	3/1/2015	12/31/2016	Wisconsin DNR	

Project Statuses

Date	Reported By	Status	Comments
2/5/2015	DAVID BOLHA	Complete	

Project Status Detail

Answer Set: DEFAULT

Question	Answer
1. Number of Sample Sites (Enter the station IDs if you know them).	
2. Number of Sample Events (Indicate how many trips into the field you anticipate for this project).	
3. Proposed Dates for Sample Collection	
4. List applicable databases and who will enter data?	
5. Did you receive competitive projects funding in the previous year?	
6. If yes to question 5, did you complete the projects including data entry and reports as necessary? If not, why not?	
7. Reviewer Notes: Identify questions or issues with project (use during review period)	
8. Reviewer Decision: Is this project recommended for funding?	

Actions

Action	Detailed Description	Start Date	End Date	Status
Best Management Practices, Implement	The department should work with Waupaca County LWCD and NRCS to implement BMPs to reduce non-point source sediment and nutrients reaching surface waters from stream bank and cropland erosion.	3/1/2015	12/31/2016	PROPOSED
Monitor Water Quality or Sediment	Monitoring of phosphorus and nitrate concentrations in the streams of the Lower Little Wolf River should continue.	3/1/2015	12/31/2016	PROPOSED
Monitor Water Quality or Sediment	Monitoring of temperature, phosphorus, and sediment concentrations above and below Big Falls and Manawa should continue to assess the impacts from the millponds on the water quality of the River.	3/1/2015	12/31/2016	PROPOSED
Monitor Targeted Watershed Area (TWA)	This project will evaluate water quality improvements made in the Lower Little Wolf River Watershed from Best Management Practices installed in the watershed from 1997 through 2008 as part of the Lower Little Wolf River Priority Watershed Project. [TWA HUC10-0403020217]. Monitoring will be conducted in 9 WBICs: 279600, 280100, 272400, 280700, 280900, 283000, 283100, 283400, 284900.	3/1/2015	12/31/2016	COMPLETE

Wisconsin Department of Natural Resources SWIMS Project Summary

Monitor Watershed (Status,Sources,Impairments)	This project will evaluate water quality improvements made in the Lower Little Wolf River Watershed from Best Management Practices installed in the watershed from 1997 through 2008 as part of the Lower Little Wolf River Priority Watershed Project. [TWA HUC10-0403020217]	3/1/2015	12/31/2016	COMPLETE
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Details: Parameter	Value/Amount	Units	Comments
Total Nitrogen			
Total Phosphorus			
Total Suspended Solids			

Monitor or Propose 303(d) Listing	Little and Thiel Creeks should be added to the state's 2018 303(d) list of impaired waters due to the pollutant phosphorus. The department should increase the water quality monitoring in these sub-watersheds to determine which areas within the sub-watershed need BMPs to reduce phosphorus delivery to the streams.	3/1/2015	12/31/2016	PROPOSED
Monitor Water Quality or Sediment	Monitoring of temperature, phosphorus, and sediment concentrations above and below Big Falls and Manawa should continue to assess the impacts from the millponds on the water quality of the River.	3/1/2015		PROPOSED
Grant Awarded	This project will evaluate water quality improvements made in the Lower Little Wolf River Watershed from Best Management Practices installed in the watershed from 1997 through 2008 as part of the Lower Little Wolf River Priority Watershed Project. [TWA HUC10-0403020217]	3/1/2015	12/31/2016	COMPLETE

Details: Parameter	Value/Amount	Units	Comments		
Total Phosphorus					
Total Suspended Solids					
Monitor Water Quality or Sediment	Monitoring of phosphorus and nitrate concentrations in the streams of the Lower Little Wolf River should continue.		1/15/2018		PROPOSED

Monitoring Stations

Station ID	Name	Comments
10030800	Beaver Creek - 280 ft downstream CTH O	
10015752	Blake Creek - Downstream 1050 Feet Of Cth Eculvert	
10016782	Blake Creek - Upstream Of County Highway K	
693154	Blake Creek North Fork at Cth E	
693158	Blake Creek at STH 161	
693129	Blake Creek at State Highway 22	
693145	Little Creek at Cth O	
693147	Little Wolf River - Near Symco	
693141	Little Wolf River at Cth Bb	
693151	Little Wolf River at Cth C	

Wisconsin Department of Natural Resources
SWIMS Project Summary

10043199	Little Wolf River at Railroad St Trail	
693163	Lower Little Wolf River at Bridge Rd	
693131	Shaw Creek at Cth O	
10013573	South Fork Blake Creek - Hwy E (Upstream)	
693130	Spaulding Creek at Cth G	
693142	Spiegelberg Creek at Sh 22 Wayside and Cemetery Rd	
693162	Thiel Creek at Cemetery Road	
693143	Thiel Creek at Swan Road	
10016223	Whitcomb Creek - County Highway 00	
693128	Whitcomb Creek at Cth E	

Assessment Units

WBIC	Segment	Local Name	Official Name
182400	1	Blue Mountain (Goerke) Lake	Blue Mountain Lake
183000	1	Brekke Lake (Bestul)	Brekke Lake
183300	1	Chapin Lake	Chapin Lake
184100	1	Crystal Lake	Crystal Lake
185100	1	Driscoll Lake	Driscoll Lake
185200	1	Duck Lake	Unnamed
185500	1	Sand Bar Lake	Sandbar Lakes
186200	1	Flynn Lake	Flynn Lake
186300	1	Fremont Pond	Fremont Pond
186700	1	Gooseneck Lake	Gooseneck Lake
186900	1	Gregerson Lake	Gregerson Lake
187000	1	Gurholt Lake	Gurholt Lake
187500	1	Herman Lake	Herman Lake
188100	1	Holman Lake	Holman Lake
188500	1	Jackson Lake	Jackson Lake
188600	1	Jaquith Lake	Unnamed
188900	1	Johnson Lake	Johnson Lake
189100	1	Kating Lake	Kating Lake
190400	1	Little Horseshoe Bayou	Little Horseshoe Bayou
191200	1	Long Lake	Long Lake
192300	1	Mcallister Lake	McAllister Lake
192400	1	McLean Lake	McLean Lake
193100	1	Mountain Lake	Mountain Lake

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

193300	1	Mud Lake	Mud Lake
193400	1	Mud Lake	Mud Lake
194400	1	Newsome Pond	Newsome Lake
194600	1	Norby Lake	Norby Lake
195000	1	Old Taylor Lake	Old Taylor Lake
195000	2	Old Taylor Lake	Old Taylor Lake
196800	1	Rasmussen'S Lake	Rasmussens Lake
197200	1	Rolands Bestful Lake	Roland Lake
197400	1	Round Lake	Round Lake
197500	1	Round Lake	Round Lake
198000	1	Sand (Jensen) Lake	Sand Lake
198400	1	Shambeau Woodnorth Lake	Shambeau Lake
198500	1	Shaw Landing	Shaw Landing
198600	1	Siemer Lake	Siemer Lake
198800	1	Silver Lake	Silver Lake
198900	1	Silver Lake (Anderson)	Silver Lake
199500	1	Strum Lake	Storm Lake
200400	1	Tom Bayou	Tom Bayou
200500	1	Traders Bayou	Traders Bayou
202400	1	Un Lake	Unnamed
202450	1	Un Lake	Unnamed
202500	1	Un Lake	Unnamed
202550	1	Unamed	Unnamed
202600	1	Un Lake	Unnamed
202700	1	Un Lake	Unnamed
202800	1	Un Lake	Unnamed
202900	1	Un Lake	Unnamed
203000	1	Un Lake	Unnamed
203500	1	Un Lake	Unnamed
203600	1	Un Lake	Unnamed
203700	1	Un Lake	Wenckus Lake
203800	1	Un Lake	Lake Nymphaea
203900	1	Un Lake	Unnamed
204000	1	Un Lake	Unnamed
204100	1	Un Lake	Unnamed

Wisconsin Department of Natural Resources
SWIMS Project Summary

204200	1	Un Lake	Unnamed
204300	1	Un Lake	Unnamed
204400	1	Un Lake	Unnamed
204500	1	Un Lake	Unnamed
204600	1	Un Lake	Unnamed
204700	1	Un Lake	Unnamed
204800	1	Un Lake	Unnamed
204900	1	Un Lake	Unnamed
206200	1	Un Lake	Unnamed
206300	1	Un Lake	Unnamed
206400	1	Un Lake	Unnamed
206500	1	Un Lake	Unnamed
206600	1	Un Lake	Unnamed
206700	1	Un Lake	Unnamed
206800	1	Un Lake	Unnamed
206900	1	Un Lake	Unnamed
207000	1	Un Lake	Unnamed
207100	1	Un Lake	Unnamed
207200	1	Un Lake	Unnamed
207400	1	Un Lake	Unnamed
207600	1	Un Lake	Unnamed
207700	1	Un Lake	Unnamed
208000	1	Un Lake	Unnamed
208100	1	Un Lake	Unnamed
208200	1	Un Lake	Unnamed
208300	1	Un Lake	Unnamed
208400	1	Un Lake	Unnamed
208500	1	Unamed	Unnamed
208600	1	Un Lake	Unnamed
208900	1	Un Lake	Unnamed
209000	1	Un Lake	Unnamed
209800	1	Unamed	Unnamed
209900	1	Un Lake	Unnamed
210000	1	Un Lake	Unnamed
210100	1	Un Lake	Unnamed

5/8/2024

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

210200	1	Un Lake	Unnamed
210300	1	Un Lake	Unnamed
210400	1	Un Lake	Unnamed
237200	1	Un Spring	Un Spring
237300	1	Un Spring	Un Spring
237400	1	Un Spring	Un Spring
237500	1	Un Spring	Un Spring
237600	1	Un Spring	Un Spring
237700	1	Un Spring	Un Spring
237800	1	Myklebust Lake	Un Spring
238000	1	Un Spring	Un Spring
238100	1	Un Spring	Un Spring
238200	1	Un Spring	Buck Lakes
240100	1	Vesely Lake	Vesey Lake
240200	1	Sandbar Lakes	Sandbar Lakes
241300	2	Wolf River-Main Stem	Wolf River
241300	3	Wolf River-Main Stem	Wolf River
241300	4	Wolf River-Main Stem	Wolf River
241300	5	Wolf River-Main Stem	Wolf River
241300	11	Wolf River	Wolf River
252900	1	Local Water	Unnamed
253100	1	Local Water	Unnamed
253400	1	Un Lake	Unnamed
253700	1	Un Lake	Unnamed
253800	1	Partridge Lake	Partridge Lake
253900	1	Little River	Little River
254000	1	Walla Walla Creek	Walla Walla Creek
254000	2	Walla Walla Creek	Walla Walla Creek
254400	1	McLean Creek	McLean Creek
254700	1	Chalet Lake	Chalet Lake
254900	1	Unnamed Lake	Bailey Lake
255000	1	Spencer Lake (Silver)	Spencer Lake
255300	1	Bass Lake	Bass Lake
255500	1	Un Spring	Un Spring
255600	1	Jensen Lake	Jenson Lake

5/8/2024

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

255700	1	Hatton Creek	Hatton Creek
256200	1	Austin Creek	Austin Creek
256200	2	Austin Creek	Austin Creek
256800	1	Jacklin Lake	Jacklin Lake
256900	1	Mosquito Creek	Mosquito Creek
256900	2	Mosquito Creek	Mosquito Creek
257100	1	Millers Bayou	Miller Bayou
257300	1	Templeton Bayou	Templeton Bayou
257400	1	Waupaca River	Waupaca River
257400	2	Waupaca River	Waupaca River
257400	5	Tomorrow/Waupaca River	Waupaca River
257400	7	Waupaca River	Waupaca River
257450	1	Unnamed Stream	Unnamed
257700	1	Weyauwega Lake	Weyauwega Lake
257800	1	Unnamed Stream	Unnamed
257900	1	Unnamed Stream	Unnamed
258000	1	Unnamed Stream	Unnamed
258100	1	Unnamed Trib to Waupaca River	Unnamed
258200	1	Crystal River	Crystal River
258200	2	Crystal River	Crystal River
258400	1	Cary Pond	Cary Pond
258500	1	Unnamed Stream	Unnamed
258600	1	Shadow Lake	Shadow Lake
258700	1	Mirror Lake	Mirror Lake
258900	1	Little Hope Millpond	Little Hope Millpond
259000	1	Naylor Creek	Naylor Creek
259100	1	Un Lake	Unnamed
259200	1	Junction Lake	Junction Lake
259300	1	Radley Creek	Radley Creek
259400	1	Outlet of Stratton Lake	Unnamed
259600	1	Stratton Lake	Stratton Lake
259700	1	Unnamed Stream	Unnamed
259800	1	Mud Lake	Mud Lake
259900	1	Unnamed Stream	Unnamed
260000	1	Mynyrd Lake	Mynyrd Lake

5/8/2024

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

260100	1	Unnamed Stream	Unnamed
260200	1	Murry Creek (N Fork Radley Cr)	Murry Creek
260800	1	Unnamed Stream	Unnamed
261200	1	Long Lake	Long Lake
261300	1	Emmons Creek	Emmons Creek
261400	1	Unnamed Stream	Unnamed
261500	1	Emmons Lake	Emmons Lake
261600	1	North Emmons Lake	North Emmons Lake
262300	1	Beasley Lake	Beasley Lake
262400	1	Cary Millpond	Columbia Lake
262600	1	Orlando Lake	Lake Orlando
262700	1	Knight Lake	Knight Lake
262800	1	Manomin Lake	Manomin Lake
262900	1	Pope Lake	Pope Lake
263000	1	Hartman Creek	Hartman Creek
263200	1	Hartman Creek State Park Beach, Unnamed T21n R11e S05-07	Unnamed
263300	1	Allen Creek	Allen Creek
263700	1	Local Water	Unnamed
263900	1	Hartman Lake	Hartman Lake
264000	1	Un Lake	Unnamed
264100	1	Marl Lake	Marl Lake
264300	1	Youngs Lake	Youngs Lake
264400	1	Unnamed Stream	Unnamed
264500	1	Ottman Lake	Ottman Lake
264700	1	Dake Lake (Chain)	Dake Lake
264800	1	Miner Lake	Miner Lake
264900	1	Limekiln Lake	Limekiln Lake
265000	1	Rainbow Lake	Round Lake
265100	1	Mccrossen Lake	McCrosen Lake
265200	1	Nessling Lake	Nessling Lake
265300	1	Rainbow Lake (Chain)	Rainbow Lake
265400	1	George Lake	George Lake
265500	1	Sunset Lake	Sunset Lake
265600	1	Taylor Lake	Taylor Lake
265700	1	Otter Lake	Otter Lake

Wisconsin Department of Natural Resources

SWIMS Project Summary

265800	1	Unnamed Stream	Unnamed
266200	1	Waupaca Millpond	Waupaca Millpond
266300	1	Unnamed Stream	Unnamed
266400	1	Un Spring	Un Spring
266500	1	Unnamed Stream	Unnamed
270600	1	Jenny Bayou	Jenny Bayou
270700	1	Colic Bayou (Pickerel)	Colic Bayou
270800	1	Big Cut	Big Cut
270900	1	Mill Cut Creek	Mill Cut
271000	1	Lowell Bayou	Lowell Bayou
271100	1	Cincoe Lake	Cincoe Lake
271200	1	Potters Creek	Potters Creek
271300	1	Trib to the Wolf River	Unnamed
271400	1	Local Water	Unnamed
271800	1	Little Cut	Little Cut
271900	1	Horseshoe Bayou	Horseshoe Bayou
272000	1	Partridge Crop Lake	Partridge Crop Lake
272400	1	Little Wolf River	Little Wolf River
272400	2	Little Wolf River	Little Wolf River
272400	3	Little Wolf River	Little Wolf River
272400	4	Little Wolf River	Little Wolf River
272400	5	Little Wolf River	Little Wolf River
272400	8	Little Wolf River	Little Wolf River
272400	12	Little Wolf River	Little Wolf River
272450	1	Local Water	Unnamed
272500	1	Mouse Creek	Mouse Creek
272600	1	South Branch Little Wolf	South Branch Little Wolf River
272600	2	S. Branch Little Wolf	South Branch Little Wolf River
272600	3	Mack Creek	South Branch Little Wolf River
272600	4	Leers Creek	South Branch Little Wolf River
272700	1	Unnamed Stream	Unnamed
272900	1	White Lake	White Lake
273000	1	Little Wolf-N. Branch Of S. Branch	North Branch of South Branch Little Wolf River
273000	2	Little Wolf-N. Branch Of S. Branch	North Branch of South Branch Little Wolf River
273200	1	Casey Lake	Casey Lake

Wisconsin Department of Natural Resources SWIMS Project Summary

273300	1	Engibretson (Stenson) Creek	Engibretson Creek
273300	2	Engibretson Creek	Engibretson Creek
273400	1	Basteen Creek	Basteen Creek
273500	1	Un Lake	Unnamed
273600	1	Unamed	Unnamed
273800	1	Ogdensburg Pond	Ogdensburg Pond
273900	1	Un Creek (T23n R12e S17)	Unnamed
273900	2	Un Creek (T23n R12e S17)	Unnamed
274000	1	Un Lake	Unnamed
274100	1	Unnamed Stream	Unnamed
274200	1	Black Knutson Lake	Black Lake
274400	1	Rich Lake	Rich Lake
274500	1	Un Cr (T23n R12e S04)	Unnamed
274600	1	Knutson Eickner Lake	Knutson Lake
274700	1	Un Lake	Unnamed
274800	1	Nichols Creek	Nichol Creek
274900	1	Unnamed Stream	Unnamed
275000	1	Ebbe Lake	Ebbe Lake
275100	1	Unnamed Stream	Unnamed
275200	1	Mud Lake	Mud Lake
275300	1	Local Water	Unnamed
275400	1	Peterson Creek	Peterson Creek
275400	2	Peterson Creek	Peterson Creek
275600	1	Mead Lake	Meed Lake
275800	1	Un Spring	Un Spring
275900	1	Spring Pond	Spring Pond
276000	1	Sannes Creek	Sannes Creek
276100	1	Un Cr (T23n R11e S32)	Unnamed
276300	1	Marl Lake	Marl Lake
276500	1	Grenlie Lake	Grenlie Lake
276600	1	Unnamed Stream	Unnamed
276700	1	Skunk Lake	Skunk Lake
276900	1	Foster Lake	Foster Lake
277400	1	Peterson Creek Millpond	Peterson Creek Millpond
277500	1	Local Water	Unnamed

Wisconsin Department of Natural Resources SWIMS Project Summary

277600	1	Rollofson Lake	Rollofson Lake
277800	1	Scandinavia Millpond	Scandinavia Millpond
277900	1	Bestful Creek	Bestul Creek
278000	1	Un Cr (T23n R11e-S11)	Unnamed
278100	1	Myklebust Lake	Myklebust Lake
278200	1	Trout (Nace) Creek	Nace Creek
278300	1	Local Water	Unnamed
278800	1	Iola Lake (Iola Millpond)	Iola Lake
278900	1	Unnamed Stream	Unnamed
278950	1	Olson Creek	Olson Creek
279000	1	Griffin Creek	Griffin Creek
279100	1	Leers Creek	Leer Creek
279200	1	Unnamed Stream	Unnamed
279300	1	Graham Lake (Nelson)	Graham Lake
279400	1	North Lake	North Lake
279500	1	Grass Lake	Grass Lake
279600	1	Spielgelburg Creek	Spiegelberg Creek
279600	2	Spielgelburg Creek	Spiegelberg Creek
279700	1	Bear Lake	Bear Lake
279800	1	Local Water	Unnamed
279900	1	Fox Lake	Fox Lake
280000	1	Woodnorth Lake	Woodnorth Lake
280100	1	Thiel Creek	Thiel Creek
280200	1	Unnamed Stream	Unnamed
280400	1	Manawa Millpond	Manawa Millpond
280500	1	Unnamed Stream	Unnamed
280600	1	Un Lake	Unnamed
280700	1	Little Creek	Little Creek
280800	1	Fountain Creek	Fountain Creek
280900	1	Blake Creek	Blake Creek
280900	2	Blake Creek	Blake Creek
281000	1	Local Water	Unnamed
281100	1	Preuss Lake	Preuss Lake
281200	1	Local Water	Unnamed
281300	1	Local Water	Unnamed

5/8/2024

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

281400	1	Local Water	Unnamed
281500	1	Blake Creek-N. Fork	North Fork Blake Creek
281600	1	Local Water	Unnamed
281700	1	Un Lake	Unnamed
281800	1	Local Water	Unnamed
281900	1	Goodhal Lake	Goodhal Lake
282000	1	Kruse Lutz Lake	Lutz Lake
282100	1	Blake Creek-S. Fork	South Fork Blake Creek
282100	2	Blake Creek - S. Fork	South Fork Blake Creek
282200	1	Local Water	Unnamed
282300	1	Un Lake	Unnamed
282400	1	Local Water	Unnamed
282500	1	Jones Lake	Jones Lake
282600	1	Un Lake	Unnamed
282700	1	Un Spring	Un Spring
282800	1	Hatch Lake	Hatch Lake
283000	1	Beaver Creek	Beaver Creek
283100	1	Shaw Creek	Shaw Creek
283200	1	Unnamed Stream	Unnamed
283300	1	Mud Lake	Mud Lake
283400	1	Whitcomb Creek	Whitcomb Creek
283500	1	Un Cr Trib To Whitcomb	Unnamed
283600	1	School Section Lake	School Section Lake
283700	1	Unnamed Stream	Unnamed
283800	1	Cedar Lake	Cedar Lake
283900	1	Local Water	Unnamed
284000	1	Twin Lake, Little	Twin Lake
284100	1	Twin Lake, North (Big Twin)	Twin Lake
284200	1	Un Cr Trib To Whitcomb Cr	Unnamed
284300	1	Campbell Lake	Campbell Lake
284400	1	Price Lake	Price Lake
284500	1	Unnamed Trib to Whitcomb Cr	Unnamed
284500	2	Local Water	Unnamed
284600	1	Local Water	Unnamed
284700	1	Whitcomb Creek-S. Fork	South Fork Whitcomb Creek

Wisconsin Department of Natural Resources SWIMS Project Summary

284900	1	Spaulding Creek	Spaulding Creek
285100	1	Un Spring	Un Spring
285300	1	Big Falls Pond	Big Falls Pond
285500	1	Mud Lake	Mud Lake
285600	1	Comet Creek	Comet Creek
285700	1	Jones Creek	Jones Creek
285800	1	Unnamed	Unnamed
286600	1	Flume Creek	Flume Creek
286600	2	Flume Creek	Flume Creek
288300	1	Un Lake	Unnamed
288400	1	Jackson Creek	Jackson Creek
288700	1	Bradley Creek	Bradley Creek
291400	1	Unnamed Horseshoe of Rock River	Wolf River - Unnamed Horseshoe
291500	1	Cedar Creek	Cedar Creek
291700	1	Un Lake	Unnamed
291900	1	Embarrass River	Embarrass River
291900	3	Embarrass River	Embarrass River
292100	2	Bear Creek	Bear Creek
292100	3	Bear Creek	Bear Creek
292200	1	Maple Creek	Maple Creek
292500	1	Local Water	Unnamed
292700	1	Silver Creek	Silver Creek
292900	1	Local Water	Unnamed
293100	1	Pigeon River	Pigeon River
293100	2	Pigeon River	Pigeon River
293300	1	Pigeon Lake	Pigeon Lake
293500	1	Un Lake	Unnamed
293600	1	Pfeiffer Lake	Pfeiffer Lake
293700	1	Brandy Creek	Brandy Creek
293800	1	Unnamed Trib to Pigeon R	Unnamed
293800	2	Local Water	Unnamed
293900	1	North Branch Pigeon River	North Branch Pigeon River
293900	2	Doty Creek	North Branch Pigeon River
294000	1	Hydes Creek	Hydes Creek
294500	1	Marion Millpond	Marion Millpond

5/8/2024

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

294600	1	Unnamed Stream	Unnamed
294700	1	Unnamed Trib to N Br Pigeon R	Unnamed
294900	1	Kinney Lake	Kinney Lake
295000	1	Mehlberg Creek	Mehlberg Creek
295600	1	South Branch Pigeon River	South Branch Pigeon River
295600	2	South Branch Pigeon River	South Branch Pigeon River
295600	3	South Branch Pigeon River	South Branch Pigeon River
295700	1	Unnamed Trib to S Br Pigeon River	Unnamed
295800	1	Unnamed Trib to S Br Pigeon River	Unnamed
295900	1	Unnamed Stream	Unnamed
296000	1	Unnamed Stream	Unnamed
296100	1	Long Lake	Long Lake
296300	1	Lembke Lake	Little Long Lake
296400	1	Michael Lake	Michael Lake
296700	1	Buck Lake	Buck Lake
296800	1	Unnamed Stream	Unnamed
296900	1	Little Lake	Little Lake
297100	1	Keller Lake	Keller Lake
297200	1	Geskey Creek	Geskey Creek
297300	1	Pigeon River-S. Fork, S. Branch	South Fork South Branch Pigeon River
297400	1	Un Creek (T25n-R12e-S02)	Unnamed
297400	2	Creek 2-1 (T25n R12e)	Unnamed
298200	1	Matteson Creek	Matteson Creek
298500	1	Big Lake	Big Lake
298700	1	Spring Lake	Spring Lake
3000102	1	Unnamed Trib to N Br Pigeon River	Unnamed
4000022	2	Local Water	Unnamed
5014810	1	Unnamed Stream	Unnamed
5015000	1	Unnamed Stream	Unnamed
5015231	1	Unnamed Trib to Pigeon River	Unnamed
5015278	1	Unnamed Stream	Unnamed
5015283	1	Unnamed Stream	Unnamed
5015321	1	Unnamed Trib to Pigeon Lake	Unnamed
5015344	1	Unnamed Stream	Unnamed
5015467	1	Unnamed Stream	Unnamed

5/8/2024

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

5015660	1	Unnamed Stream	Unnamed
5015684	1	Unnamed Stream	Unnamed
5015750	1	Unnamed Stream	Unnamed
5016006	1	Local Water	Unnamed
5016114	1	Local Water	Unnamed
5016138	1	Unnamed Trib to Pigeon River	Unnamed
5016309	1	Local Water	Unnamed
5016411	1	Unnamed Stream	Unnamed
5016617	1	Unnamed Stream	Unnamed
5016814	1	Unnamed Stream	Unnamed
5016830	1	Unnamed Stream	Unnamed
5016880	1	Local Water	Unnamed
5016904	1	Local Water	Unnamed
5016907	1	Local Water	Unnamed
5016956	1	Local Water	Unnamed
5017024	1	Local Water	Unnamed
5017175	1	Local Water	Unnamed
5017285	1	Local Water	Unnamed
5017351	1	Local Water	Unnamed
5017507	1	Local Water	Unnamed
5017802	1	Local Water	Unnamed
5017909	1	Local Water	Unnamed
5018179	1	Unnamed Stream	Unnamed
5018267	1	Local Water	Unnamed
5018270	1	Unnamed Stream	Unnamed
5018433	1	Local Water	Unnamed
5018549	1	Unnamed Stream	Unnamed
5018554	1	Local Water	Unnamed
5018820	1	Unnamed Stream	Unnamed
5018933	1	Local Water	Unnamed
5018946	1	Unnamed Stream	Unnamed
5018976	1	Local Water	Unnamed
5019049	1	Local Water	Unnamed
5019269	1	Unnamed Stream	Unnamed
5019408	1	Local Water	Unnamed

5/8/2024

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

5019418	1	Unnamed Stream	Unnamed
5019474	1	Unnamed Stream	Unnamed
5019526	1	Local Water	Unnamed
5019579	1	Unnamed Stream	Unnamed
5019639	1	Local Water	Unnamed
5019700	1	Unnamed Stream	Unnamed
5019712	1	Unnamed Stream	Unnamed
5019714	1	Local Water	Unnamed
5019778	1	Unnamed Stream	Unnamed
5019796	1	Unnamed Stream	Unnamed
5019820	1	Unnamed Stream	Unnamed
5019822	1	Local Water	Unnamed
5019843	1	Unnamed Stream	Unnamed
5019858	1	Unnamed Stream	Unnamed
5019869	1	Unnamed Stream	Unnamed
5019887	1	Unnamed Stream	Unnamed
5019906	1	Unnamed Stream	Unnamed
5019933	1	Unnamed Stream	Unnamed
5019937	1	Local Water	Unnamed
5019958	1	Unnamed Stream	Unnamed
5019975	1	Unnamed Stream	Unnamed
5019995	1	Unnamed Stream	Unnamed
5020055	1	Unnamed Stream	Unnamed
5020060	1	Unnamed Stream	Unnamed
5020094	1	Unnamed Stream	Unnamed
5020115	1	Unnamed Stream	Unnamed
5020118	1	TRIBUTARY TO THE WOLF RIVER	Unnamed
5020166	1	Unnamed Stream	Unnamed
5020234	1	Unnamed Stream	Unnamed
5020282	1	Unnamed Stream	Unnamed
5020398	1	Unnamed Stream	Unnamed
5020414	1	Unnamed Stream	Unnamed
5020474	1	Unnamed Stream	Unnamed
5020530	1	Unnamed Stream	Unnamed
5020550	1	Unnamed Stream	Unnamed

5/8/2024

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

5020552	1	Unnamed Stream	Unnamed
5020637	1	Unnamed Stream	Unnamed
5020640	1	Unnamed Stream	Unnamed
5020959	1	Unnamed Stream	Unnamed
5021203	1	Unnamed Stream	Unnamed
5021414	1	Unnamed Trib to Waupaca River	Unnamed
5021660	1	Unnamed Stream	Unnamed
5542527	1	Local Water	Unnamed
5542573	1	Local Water	Unnamed
5542714	1	Local Water	Unnamed
5543368	1	Local Water	Unnamed
5543377	1	Local Water	Unnamed
5543977	1	Local Water	Unnamed
5544043	1	Local Water	Unnamed
5544353	1	Local Water	Unnamed
5544787	1	Local Water	Unnamed
5544815	1	Unamed	Unnamed
5544894	1	Local Water	Unnamed
5545346	1	Local Water	Unnamed
5546176	1	Local Water	Unnamed
5546918	1	Local Water	Unnamed
5547365	1	Local Water	Unnamed
5547412	1	Local Water	Unnamed
5547482	1	Local Water	Unnamed
5547492	1	Local Water	Unnamed
5547531	1	Local Water	Unnamed
5547784	1	Local Water	Unnamed
5548004	1	Local Water	Unnamed
5548229	1	Local Water	Unnamed
5548605	1	Local Water	Unnamed
5548774	1	Local Water	Unnamed
5549018	1	Local Water	Unnamed
5549158	1	Local Water	Unnamed
5549268	1	Local Water	Unnamed
5549359	1	Local Water	Unnamed

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

5549394	1	Local Water	Unnamed
5549404	1	Local Water	Unnamed
5549421	1	Local Water	Unnamed
5549459	1	Local Water	Unnamed
5549582	1	Local Water	Unnamed
5549610	1	Local Water	Unnamed
5549794	1	Local Water	Unnamed
5549834	1	Local Water	Unnamed
5549873	1	Local Water	Unnamed
5550026	1	Local Water	Unnamed
5550413	1	Local Water	Unnamed
5550503	1	Local Water	Unnamed
5550605	1	Local Water	Unnamed
5550765	1	Local Water	Unnamed
5550766	1	Local Water	Unnamed
5550826	1	Local Water	Unnamed
5550851	1	Local Water	Unnamed
5550909	1	Local Water	Unnamed
5551023	1	Local Water	Unnamed
5551281	2	Bass Lake	Bass Lake
5551342	1	Local Water	Unnamed
5551649	1	Local Water	Unnamed
5551697	1	Local Water	Unnamed
5551736	1	Local Water	Unnamed
5552156	1	Local Water	Unnamed
5552241	1	Local Water	Unnamed
5552291	1	Local Water	Unnamed
5552301	1	Local Water	Unnamed
5553119	1	Local Water	Unnamed
5581216	1	Local Water	Unnamed
5581217	1	Local Water	Unnamed
5582177	1	Local Water	Unnamed
5582180	1	Local Water	Unnamed
5582182	1	Local Water	Unnamed
5584961	1	Local Water	Unnamed

Wisconsin Department of Natural Resources
SWIMS Project Summary

5584981	1	Local Water	Unnamed
5584984	1	Local Water	Unnamed
5584985	1	Local Water	Unnamed
5585351	1	Local Water	Unnamed
5585398	1	Local Water	Unnamed
5585435	1	Local Water	Unnamed
5585705	1	Local Water	Unnamed
5585769	1	Local Water	Unnamed
5585808	1	Local Water	Unnamed
5585950	1	Local Water	Unnamed
5585961	1	Local Water	Unnamed
5585983	1	Local Water	Unnamed
5585984	1	Local Water	Unnamed
5585986	1	Local Water	Unnamed
5585994	1	Local Water	Unnamed
5591199	1	Local Water	Unnamed

Lab Account Codes			
Account Code	Description	Start Date	End Date
WQ012	319 PROJECT FUNDED TWA	3/24/2015	12/31/2015

Forms	
Form Code	Form Name
CONTINUOUS	Continuous Data Upload
FIELD CHEMISTRY FORM	Field Chemistry Form
INORGANIC	Inorganic Lab - Field Data
WADEABLE_MACRO_FIELD	Wadeable Macroinvertebrate Field & Habitat Data

Methods	
Method Code	Method Description
DNR-FPM-1001.3	Benthic Invertebrate D-Frame Net, Kick Samples 1988
GRAB SAMPLE	Water Grab Sample Guidelines and Procedures 2005

Fieldwork Events				
Start Date	Status	Field ID	Station ID	Station Name
5/19/2015	COMPLETE	NA	693131	Shaw Creek at Cth O
5/19/2015 11:00	COMPLETE	NA	693130	Spaulding Creek at Cth G
5/19/2015 11:30	COMPLETE	NA	693151	Little Wolf River at Cth C

5/8/2024

Wisconsin Department of Natural Resources SWIMS Project Summary

5/19/2015 11:45	COMPLETE	NA	10016223	Whitcomb Creek - County Highway 00
5/19/2015 12:10	COMPLETE	NA	693129	Blake Creek at State Highway 22
5/19/2015 12:30	COMPLETE	NA	693163	Lower Little Wolf River at Bridge Rd
5/19/2015 13:00	COMPLETE	NA	10043199	Little Wolf River at Railroad St Trail
5/19/2015 13:30	COMPLETE	NA	693142	Spiegelberg Creek at Sh 22 Wayside and Cemetery Rd
5/19/2015 13:50	COMPLETE	NA	693143	Thiel Creek at Swan Road
5/19/2015 14:00	COMPLETE	NA	693141	Little Wolf River at Cth Bb
5/19/2015 14:25	COMPLETE	NA	693145	Little Creek at Cth O
5/19/2015 14:40	COMPLETE	NA	10030800	Beaver Creek - 280 ft downstream CTH O
6/16/2015 10:15	COMPLETE	NA	693145	Little Creek at Cth O
6/16/2015 10:35	COMPLETE	NA	10030800	Beaver Creek - 280 ft downstream CTH O
6/16/2015 10:45	COMPLETE	NA	693131	Shaw Creek at Cth O
6/16/2015 11:20	COMPLETE	NA	693130	Spaulding Creek at Cth G
6/16/2015 11:44	COMPLETE	NA	693151	Little Wolf River at Cth C
6/16/2015 12:20	COMPLETE	NA	10016223	Whitcomb Creek - County Highway 00
6/16/2015 12:35	COMPLETE	NA	693129	Blake Creek at State Highway 22
6/16/2015 13:30	COMPLETE	NA	10043199	Little Wolf River at Railroad St Trail
6/16/2015 14:00	COMPLETE	NA	693163	Lower Little Wolf River at Bridge Rd
6/16/2015 14:23	COMPLETE	NA	693142	Spiegelberg Creek at Sh 22 Wayside and Cemetery Rd
6/16/2015 14:50	COMPLETE	NA	693143	Thiel Creek at Swan Road
6/16/2015 15:05	COMPLETE	NA	693141	Little Wolf River at Cth Bb
7/21/2015 10:00	COMPLETE	NA	693130	Spaulding Creek at Cth G
7/21/2015 10:20	COMPLETE	NA	693151	Little Wolf River at Cth C
7/21/2015 10:45	COMPLETE	NA	10016223	Whitcomb Creek - County Highway 00
7/21/2015 11:00	COMPLETE	NA	693163	Lower Little Wolf River at Bridge Rd
7/21/2015 12:00	COMPLETE	NA	10043199	Little Wolf River at Railroad St Trail
7/21/2015 12:55	COMPLETE	NA	693142	Spiegelberg Creek at Sh 22 Wayside and Cemetery Rd
7/21/2015 13:10	COMPLETE	NA	693143	Thiel Creek at Swan Road
7/21/2015 14:00	COMPLETE	NA	693131	Shaw Creek at Cth O
7/21/2015 15:15	COMPLETE	NA	10030800	Beaver Creek - 280 ft downstream CTH O
7/21/2015 15:30	COMPLETE	NA	693145	Little Creek at Cth O
7/21/2015 16:00	COMPLETE	NA	693141	Little Wolf River at Cth Bb
7/22/2015 11:10	COMPLETE	NA	693129	Blake Creek at State Highway 22
8/16/2015 11:15	COMPLETE	NA	693151	Little Wolf River at Cth C
8/18/2015 11:00	COMPLETE	NA	693130	Spaulding Creek at Cth G

5/8/2024

Wisconsin Department of Natural Resources SWIMS Project Summary

8/18/2015 11:40	COMPLETE	NA	10016223	Whitcomb Creek - County Highway 00
8/18/2015 12:00	COMPLETE	NA	693129	Blake Creek at State Highway 22
8/18/2015 12:45	COMPLETE	NA	693163	Lower Little Wolf River at Bridge Rd
8/18/2015 13:10	COMPLETE	NA	10043199	Little Wolf River at Railroad St Trail
8/18/2015 13:45	COMPLETE	NA	693142	Spiegelberg Creek at Sh 22 Wayside and Cemetery Rd
8/18/2015 14:10	COMPLETE	NA	693143	Thiel Creek at Swan Road
8/18/2015 14:30	COMPLETE	NA	693141	Little Wolf River at Cth Bb
8/18/2015 14:55	COMPLETE	NA	693145	Little Creek at Cth O
8/18/2015 16:00	COMPLETE	NA	693131	Shaw Creek at Cth O
9/15/2015 9:25	COMPLETE	NA	693130	Spaulding Creek at Cth G
9/15/2015 11:20	COMPLETE	NA	693151	Little Wolf River at Cth C
9/15/2015 11:50	COMPLETE	NA	10016223	Whitcomb Creek - County Highway 00
9/15/2015 11:55	COMPLETE	NA	693129	Blake Creek at State Highway 22
9/15/2015 12:15	COMPLETE	NA	693163	Lower Little Wolf River at Bridge Rd
9/15/2015 12:45	COMPLETE	NA	10043199	Little Wolf River at Railroad St Trail
9/15/2015 13:15	COMPLETE	NA	693143	Thiel Creek at Swan Road
9/15/2015 13:30	COMPLETE	NA	693142	Spiegelberg Creek at Sh 22 Wayside and Cemetery Rd
9/15/2015 13:50	COMPLETE	NA	693141	Little Wolf River at Cth Bb
9/15/2015 14:10	COMPLETE	NA	693145	Little Creek at Cth O
9/15/2015 14:25	COMPLETE	NA	10030800	Beaver Creek - 280 ft downstream CTH O
9/15/2015 14:35	COMPLETE	NA	693131	Shaw Creek at Cth O
10/6/2015	COMPLETE		693151	Little Wolf River at Cth C
10/6/2015	COMPLETE		693131	Shaw Creek at Cth O
10/6/2015	COMPLETE		693130	Spaulding Creek at Cth G
10/15/2015	COMPLETE		10030800	Beaver Creek - 280 ft downstream CTH O
10/15/2015	COMPLETE		693145	Little Creek at Cth O
10/20/2015 11:20	COMPLETE	LOWER LITTLE WOLF R.	693163	Lower Little Wolf River at Bridge Rd
10/20/2015 11:20	COMPLETE	SPAULDING CREEK AT C	693130	Spaulding Creek at Cth G
10/20/2015 11:25	COMPLETE	LITTLE WOLF RIVER AT	693151	Little Wolf River at Cth C
10/20/2015 11:50	COMPLETE	WHITCOMB CREEK-COUN	10016223	Whitcomb Creek - County Highway 00
10/20/2015 13:00	COMPLETE	BLAKE CREEK AT STATE	693129	Blake Creek at State Highway 22
10/20/2015 13:10	COMPLETE	LITTLE WOLF RIVER AT	10043199	Little Wolf River at Railroad St Trail
10/20/2015 13:25	COMPLETE	THIEL CREEK AT SWAN	693143	Thiel Creek at Swan Road
10/20/2015 13:50	COMPLETE	SPIEGELBERG CREEK AT	693142	Spiegelberg Creek at Sh 22 Wayside and Cemetery Rd

5/8/2024

Wisconsin Department of Natural Resources SWIMS Project Summary

10/20/2015 14:10	COMPLETE	LITTLE WOLF RIVER AT	693141	Little Wolf River at Cth Bb
10/20/2015 14:30	COMPLETE	LITTLE CREEK AT CTH	693145	Little Creek at Cth O
10/20/2015 14:45	COMPLETE	BEAVER CREEK- 280 FT	10030800	Beaver Creek - 280 ft downstream CTH O
10/20/2015 14:55	COMPLETE	SHAW CREEK AT CTH O	693131	Shaw Creek at Cth O
10/21/2015	COMPLETE		693142	Spiegelberg Creek at Sh 22 Wayside and Cemetery Rd
10/21/2015	COMPLETE		10016223	Whitcomb Creek - County Highway 00
10/22/2015	COMPLETE		693147	Little Wolf River - Near Symco
10/29/2015	COMPLETE		693143	Thiel Creek at Swan Road
10/29/2015	COMPLETE		693141	Little Wolf River at Cth Bb
10/29/2015	COMPLETE		693129	Blake Creek at State Highway 22
5/17/2016	COMPLETE		10013573	South Fork Blake Creek - Hwy E (Upstream)
5/17/2016	COMPLETE		10016782	Blake Creek - Upstream Of County Highway K

Documents

Title	Description	Author	Published	Comments
Blake Creek at Hwy 22 2015, 2017 NC VALIDATION	Blake Creek at Hwy 22 2015, 2017 NC VALIDATION	Bolha, Dave	5/3/2017	
Little Creek at County O 2015, 2017 NC VALIDATION	Little Creek at County O 2015, 2017 NC VALIDATION	Bolha, David	5/3/2017	
Little Wolf River at Bridge Rd Facing US 9.9.15 Photo by Dave Bolha	Little Wolf River at Bridge Rd Facing US 9.9.15 Photo by Dave Bolha	Bolha, David	9/9/2015	
Little Wolf River at County BB Facing US 9.9.15 - SMALL	Little Wolf River at County BB Facing US 9.9.15 - SMALL	Bohla, David	9/9/2015	
Little Wolf River at County BB Facing Upstream (272400) 2015 photo	Little Wolf River at County BB Facing Upstream (272400) 2015 photo	Bolha, David	9/9/2015	
Little Wolf River at County C 2015, 2017 NC VALIDATION	Little Wolf River at County C 2015, 2017 NC VALIDATION	Bolha, David	5/3/2017	
Little Wolf River at County Road BB 2015, 2017 NC VALIDATION	Little Wolf River at County Road BB 2015, 2017 NC VALIDATION	Bolha, David	5/3/2017	
Little Wolf River at Hwy 22 Symco 2015, 2017 NC VALIDATION	Little Wolf River at Hwy 22 Symco 2015, 2017 NC VALIDATION	Bolha, David	5/3/2017	
Lower Little Wolf River Priority Watershed Water Quality Evaluation	Priority Watershed Water Quality Evaluation for the Lower Little Wolf River.	Bolha, David	3/31/2017	
Lower Little Wolf Summary of Project	Lower Little Wolf Summary of Project		5/5/2017	
Lower Little Wolf TWA WQM Plan 2017 [WR06]	Assessments and recommendations for the Watershed. Lower Little Wolf TWA WQM Plan 2017	WDNR	5/3/2017	

5/8/2024

Wisconsin Department of Natural Resources SWIMS Project Summary

Lower Little Wolf TWA WQM Plan Presentation 2017 [WR06]	Lower Little Wolf River TWA WQM Plan 2017 Presentation	WDNR	8/8/2017	
North Branch Blake Creek at County E 2015, 2017 NC VALIDATION	North Branch Blake Creek at County E 2015, 2017 NC VALIDATION	Bolha, David	5/3/2017	
Shaw Creek at County O 2015, 2017 NC VALIDATION	Shaw Creek at County O 2015, 2017 NC VALIDATION	Bolha, David	5/3/2017	
South Branch Blake Creek at County E 2015, 2017 NC Validation	South Branch Blake Creek at County E 2015, 2017 NC Validation	Bolha, David	5/3/2017	
Spaulding Creek at G 2015, 2017 NC Validation	Spaulding Creek at G 2015, 2017 NC Validation	Bolha, David	5/3/2017	
Spiegelburg Creek at Cemetery Rd Hwy 22 Wayside 2015, 2017 NC Validations	Spiegelburg Creek at Cemetery Rd Hwy 22 Wayside 2015, 2017 NC Validation	Bolha, David	5/3/2017	
Thiel Creek at Swan Rd 2015, 2017 NC Validation	Thiel Creek at Swan Rd 2015, 2017 NC Validation	Bolha, David	5/3/2017	
Whitcomb Creek at County E 2015, 2017 NC Validation	Whitcomb Creek at County E 2015, 2017 NC Validation	Bolha, David	5/3/2017	
Whitcomb Creek at County OO 2015, 2017 NC VALIDATION	Whitcomb Creek at County OO 2015 2017 NC VALIDATION	Bolha, David	5/3/2017	

Budget

Wisconsin Department of Natural Resources
SWIMS Project Summary

Budget Description: FY 2016 Budget			Start Date: 3/1/2015	End Date: 6/30/2016
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Code	Description	Quantity	Units	Unit Cost	Total Cost	Comments
FTE	FTE Hours	400	Hours	\$0.00	\$0.00	
LTE SAL	LTE Salary	250	Hours	\$13.00	\$3,250.00	
LTE FR	LTE Fringe				\$802.75	
LTE IND	LTE Indirect				\$655.33	
LTE TOT	LTE Total Cost				\$4,708.08	
SUPPLY	Supplies	1		\$150.00	\$150.00	Alcohol for Bugs
EQUIP	Equipment				\$0.00	
MILEAGE	Mileage	3500	Miles	\$0.62	\$2,170.00	
MEAL	Meals	50	Meals	\$10.00	\$500.00	
LODGE	Lodging				\$0.00	
TRAVEL	Travel Total				\$2,670.00	
BUG	Bug Contracts	11		\$180.00	\$1,980.00	
OTHER	Other Contracts	1		\$400.00	\$400.00	Diatom IBI Samples
USGS	USGS Costs				\$0.00	
TOTAL	Total Cost (excludes SLOH)				\$9,908.08	

Total WSLH Lab Costs: \$0.00
Total Budget: \$9,908.08

Combined Budgets: \$9,908.08
Combined WSLH: \$0.00
Combined Total: \$9,908.08

Funding					
Organization	Source	Type	Amount	Start Date	End Date
US Environmental Protection Agency	Federal	CWA 319			