

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: NER_11_CMP14

Name: Schoenick Creek Watershed 303(d) Identification and Long Lake Interaction Study - NER_11_CMP14

Type: Competitive Projects

Subtype: Impaired Water Assessment

Status: COMPLETE

Start Date: 1/1/2014

End Date: 12/31/2014

Purpose: East District water resources biologists are proposing to conduct water quality monitoring on select tributary streams to Long Lake and in the main basin of Long Lake to address water quality concerns in the watershed. Biological stream assessments will occur during, June, July, and August and water chemistry samples will be collected in May-October to assess conditions in the stream for future listing on the 303d list of impaired waters. Water Quality samples will also be collected in Long Lake and the outlet to assess water quality impairments within the lake and how the lake interacts with inflow and outflow water quality of Schoenick Creek.

Objective: Long Lake is recommended for listing on the 303(d) list of impaired water in 2014. The Long Lake Association is concerned that water quality impairments are mainly caused from inflow from Schoenick Creek and other sources upstream in the watershed. Schoenick Creek is located in Shawano County upstream of Long Lake. Water Quality was evaluated in the Schoenick Creek watershed in 2004 and elevated levels of total phosphorous were identified in all streams within the small-sub watershed. No biological data have been collected on these streams however Total Phosphorous levels exceed listing concentrations established in 2012 WisCalm but lack an adequate set of monthly TP samples. Up to 8 sample locations are proposed for collection of biological data and up to 6 sites for water chemistry to collect data for listing under the WisCalm guidance.

Controversy regarding the inflow from Schoenick Creek has dated back into the 1970's. At some point a violation occurred that altered the exact location and flow of Schoenick Creek into the lake and residents are seeking to petition the Department for a Chapter 30 permit to route the stream out of the lake. The biologists seek to demonstrate and understand water quality interactions between Schoenick Creek and Long Lake without having the necessary information to complete a full nutrient budget of the lake and watershed. The collection of TP, TSS and VTSS along with higher frequency flow data will help to understand the interaction between the stream and lake systems. It is also anticipated that select fly over aerial photography will assist in determining the extent to which Schoenick Creek flow disperses throughout the lake during spring and summer runoff events.

Comments: New

Outcome: 8 sample sites will be selected to measure continuous temperature, fish, quantitative habitat, and bugs. 6 sites will be selected for monthly total phosphorous sampling between May-October. Lake water quality sampling will occur at spring turnover, May, June, July, and August, September and October. The stream flow dispersion fly over will occur once in spring and once in a summer runoff event. All data will be entered into the fish and habitat database and SWIMS by Hudak or Nordin. A final report will be completed after the second year of biological data collection and analysis. It is anticipated that a second year of biological confirmation sampling and any additional supporting water quality samples will be proposed for the field season of 2015.

Study Design:

QA Measures:

People

Name	Role	Status	Start Date	End Date	Organization	Comments
Hudak, Andrew J	COORDINATOR	COMPLETE	1/1/2014	12/31/2014	Wisconsin DNR	
McLennan, Robin	SUPERVISOR	COMPLETE	1/1/2014	12/31/2014	Wisconsin DNR	
Nordin, Brenda L	COORDINATOR	COMPLETE	1/1/2014	12/31/2014	Wisconsin DNR	

Project Statuses

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Date	Reported By	Status	Comments
12/16/2013	Andrew Hudak	Proposed	
7/2/2014	Andrew Hudak	Progress: 0-25% Complete	Fish and Habitat surveys have been started and the first two monthly sets of water chemistry samples have been collected. Pesticide samples has also been added by the WDATCP.
8/4/2014	Brenda Nordin	Progress: 50-75% Complete	The project is 75% complete. We still have 2 more sampling events. The report will be done in December.
12/1/2014	Andrew Hudak	Progress: 75-100% Complete	Sampling complete, data will be entered by the end of the year, drafting final report and waiting for bug data.
11/16/2016	Andrew Hudak	Complete	Project Complete

Project Status Detail

Answer Set: DEFAULT

Question	Answer
1. Number of Sample Sites (Enter the station IDs if you know them).	Up to 8 stream biological stream sampling sites and 6 chemistry stream sampling sites. 1 Lake sampling site.
2. Number of Sample Events (Indicate how many trips into the field you anticipate for this project).	5 trips for temp logger deployment, fish and habitat, and bug collection. Up to 6 trips for water quality sampling unless the citizen lake volunteer collects the monthly TP samples.
3. Proposed Dates for Sample Collection	Temp loggers will be deployed in April and removed in October. Fish and Habitat will be collected in May-July. Lake samples will be taken July, August, September. TP samples at stream site will occur Mat-October
4. List applicable databases and who will enter data?	Data will be entered by Hudak and Nordin
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?	Reports drafted but will finalize once the macroinvert results are received and final analysis is complete.
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 Water Quality or Sediment	East District water resources biologists are proposing to conduct water quality monitoring on select tributary streams to Long Lake and in the main basin of Long Lake to address water quality concerns in the watershed. Biological stream assessments will occur during, June, July, and August and water chemistry samples will be collected in May-October to assess conditions in the stream for future listing on the 303d list of impaired waters. Water Quality samples will also be collected in Long Lake and the outlet to assess water quality impairments within the lake and how the lake interacts with inflow and outflow water quality of Schoenick Creek.	1/1/2014	12/31/2014	COMPLETE

Details: Parameter	Value/Amount	Units	Comments
Temperature			
Total Nitrogen			
Total Phosphorus			

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Details: Parameter	Value/Amount	Units	Comments		
Total Suspended Solids					
Monitor to Evaluate Projects	East District water resources biologists are proposing to conduct water quality monitoring on select tributary streams to Long Lake and in the main basin of Long Lake to address water quality concerns in the watershed. Biological stream assessments will occur during, June, July, and August and water chemistry samples will be collected in May-October to assess conditions in the stream for future listing on the 303d list of impaired waters. Water Quality samples will also be collected in Long Lake and the outlet to assess water quality impairments within the lake and how the lake interacts with inflow and outflow water quality of Schoenick Creek.	1/1/2014	12/31/2014	PROPOSED	

Monitoring Stations

Station ID	Name	Comments
593003	Long Lake - Deep Hole	
10042142	Schoenick Creek 100m ds Long Lake Confluence	
10042141	Schoenick Creek 175m US Long Lake Confluence	
10042143	Schoenick Creek 200m ds St. John's Church Rd	
10042835	Schoenick Creek 50m us CTH CC	
10014772	Schoenike Creek at Cloverleaf Lake Rd.	
10042145	UNT to Schoenick Creek 30m US Schoenrock Lake Rd	
10042924	Unnamed Trib to Schoenick Creek 170m ds Belle Plain Ave	
10016411	Unnamed Trib. - 10 Feet Below Grass Lake Road. 100 Feet Below Jim Retzlaff Farm.	

Assessment Units

WBIC	Segment	Local Name	Official Name
181500	1	Baker Lake	Baker Lake
182000	1	Beaulieu Lake	Beaulieu Lake
184700	1	Long Lake	Deer Spring Lake
184900	1	Dollar Lake	Dollar Lake
187400	1	Hennig Lake	Hennig Lake
189400	1	Kolpack Lake	Kolpack Lake
189500	1	Koon Lake	Koonz Lake
191600	1	Lost Lake	Lost Lake
192900	1	Mission Lake	Mission Lake
210500	1	Unamed	Unnamed
211300	1	Un Lake	Unnamed

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211400	1	Un Lake	Unnamed
211500	1	Un Lake	Unnamed
211600	1	Un Lake	Unnamed
211700	1	Un Lake	Unnamed
211800	1	Un Lake	Unnamed
211900	1	Un Lake	Unnamed
212500	1	Un Lake	Unnamed
212700	1	Un Lake	Unnamed
212800	1	Un Lake	Unnamed
212900	1	Un Lake	Unnamed
213000	1	Un Lake	Unnamed
213100	1	Un Lake	Unnamed
213400	1	Un Lake	Unnamed
213500	1	Un Lake	Unnamed
213600	1	Un Lake	Unnamed
213700	1	Un Lake	Unnamed
213800	1	Un Lake	Unnamed
213900	1	Un Lake	Unnamed
214000	1	Un Lake	Unnamed
214200	1	Un Lake	Unnamed
214300	1	Un Lake	Unnamed
215300	1	Unamed	Unnamed
215400	1	Unamed	Unnamed
215500	1	Un Lake	Unnamed
215600	1	Un Lake	Unnamed
215700	1	Un Lake	Unnamed
215800	1	Un Lake	Unnamed
215900	1	Un Lake	Unnamed
216000	1	Un Lake	Unnamed
216100	1	Un Lake	Unnamed
216200	1	Un Lake	Unnamed
216300	1	Un Lake	Unnamed
216400	1	Un Lake	Unnamed
216500	1	Un Lake	Unnamed
216600	1	Un Lake	Unnamed

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216700	1	Un Lake	Unnamed
216800	1	Un Lake	Unnamed
216900	1	Un Lake	Unnamed
217000	1	Un Lake	Unnamed
217100	1	Unamed	Unnamed
219200	1	Un Lake	Unnamed
219300	1	Un Lake	Unnamed
238700	1	Un Spring	Un Spring
238900	1	Un Spring	Un Spring
239000	1	Un Spring	Un Spring
239100	1	Un Spring	Un Spring
239200	1	Un Spring	Un Spring
240800	1	White Lake	White Lake
240900	1	Wilson Lake	Wilson Lake
241300	4	Wolf River-Main Stem	Wolf River
241300	5	Wolf River-Main Stem	Wolf River
241300	6	Wolf River-Main Stem	Wolf River
241300	14	Wolf River-Main Stem	Wolf River
285600	2	Comet Creek	Comet Creek
285600	3	Comet Creek	Comet Creek
286000	1	Leitzke Creek	Leitzke Creek
286075	1	Creek 20-16 (T26n, R11e)	Unnamed
286100	1	Cleveland Creek	Cleveland Creek
288400	1	Jackson Creek	Jackson Creek
288400	2	Jackson Creek	Jackson Creek
289000	1	Creek 36-15 (T26n, R10e)	Unnamed
291900	2	Embarrass River	Embarrass River
291900	3	Embarrass River	Embarrass River
293900	3	North Branch Pigeon River	North Branch Pigeon River
294000	2	Hydes Creek	Hydes Creek
294200	1	Unnamed Stream	Unnamed
295000	1	Mehlberg Creek	Mehlberg Creek
295100	1	Unnamed Stream	Unnamed
295300	1	Unnamed Stream	Unnamed
295400	1	Kersten Lake	Kersten Lake

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295500	1	Unnamed Stream	Unnamed
295600	4	South Branch Pigeon River	South Branch Pigeon River
295600	5	South Branch Pigeon River	South Branch Pigeon River
297400	2	Creek 2-1 (T25n R12e)	Unnamed
297500	1	Creek 2-1 (T25n R12e)	Unnamed
297700	1	Split Rock Creek	Split Rock Creek
297750	1	Creek 28-14 (T26n, R12e)	Unnamed
297800	1	Un Creek 27-2 (T26n-R12e-S27)	Unnamed
298100	1	Waggoner Lake	Wagner Lake
298200	1	Matteson Creek	Matteson Creek
298500	1	Big Lake	Big Lake
299000	1	Un Spring	Cloverleaf Chain
299100	1	Pine Lake (Cloverleaf Chain)	Pine Lake
299200	1	Grass Lake (Cloverleaf Chain)	Grass Lake
299300	1	Round Lake (Cloverleaf Chain)	Round Lake
299600	1	Beaver Creek	Beaver Creek
299700	1	Mill Creek	Mill Creek
299700	2	Mill Creek	Mill Creek
299800	1	Willow Creek	Willow Creek
299800	2	Willow Creek	Willow Creek
300000	1	Spencer Creek	Spencer Creek
300100	1	Unnamed	Unnamed
300200	1	Creek 21-2 (T27n, R14e)	Unnamed
300300	1	Un Creek 2-8 (T27n-R13e-S02)	Unnamed
300400	1	Mildred Lake	Mildred Lake
300600	1	Un Lake	Unnamed
300900	1	Pella Pond	Pella Pond
301200	1	Creek 8-7 (T26n, R14e)	Unnamed
301300	1	Embarrass River-N. Branch	North Branch Embarrass River
301300	2	Embarrass River-N. Branch	North Branch Embarrass River
301300	3	Embarrass River-N. Branch	North Branch Embarrass River
301300	4	Embarrass River-N. Branch	North Branch Embarrass River
301400	1	Creek 5-10 (T26n, R14e)	Unnamed
301900	1	Creek 23-12 (T27n, R13e)	Unnamed
302000	1	Kroening Lake	Kroening Lake

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302100	1	Stengel Creek	Stengel Creek
302300	1	Tilleda Pond	Tilleda Pond
302400	1	Pony Creek	Pony Creek
302700	1	Un Lake	Unnamed
302800	1	Creek 20-8 (T27n, R13e)	Unnamed
302900	1	Creek 20-7 (T27n, R13e)	Unnamed
303000	1	Un Creek 18-13 (T27n-R13e-S18)	Unnamed
303100	1	Creek 9-16 (T27n, R13e)	Unnamed
303200	1	Hennig Creek	Hennig Creek
303300	1	Creek 29-10 (T28n, R13e)	Unnamed
303325	1	Creek 29-8 (T28n, R13e)	Unnamed
303350	1	Un Spring	Un Spring
303400	1	Creek 36-15 (T28n, R12e)	Unnamed
303600	1	Bowler Pond	Bowler Pond
303700	1	Strassburg Creek	Strassburg Creek
303800	1	Creek 33-1 (T28n, R12e)	Unnamed
303900	1	Creek 23-12 (T28n, R12e)	Unnamed
304000	1	Creek 23-9 (T28n, R12e)	Unnamed
304040	1	Un Spring	Un Spring
304050	1	Un Spring	Un Spring
304100	1	Un Creek 15-10 (T28n-R12e-S15)	Unnamed
304200	1	Creek 17-10 (T28n, R12e)	Unnamed
304300	1	Sportsman Creek	Unnamed
304400	1	Creek 12-14 (T28n, R11e)	Unnamed
304600	1	Sportsman Lake	Sportsman Lake
304700	1	Creek 7-6 (T28n, R12e)	Unnamed
304800	1	Creek 31-15 (T29n-R12e-S31)	Unnamed
305500	1	Caroline Pond	Caroline Pond
305600	1	Embarrass River-S. Branch	South Branch Embarrass River
305600	2	Embarrass River-S. Branch	South Branch Embarrass River
305600	3	Embarrass River-S. Branch	South Branch Embarrass River
305700	1	Creek 21-7 (T26n, R13e)	Unnamed
306000	1	Creek 13-2 (T26n, R12e)	Unnamed
306300	1	Creek 14-2 (T26n, R12e)	Unnamed
306325	1	Un Lake	Unnamed

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306400	1	Un Creek 15-2 (T26n-R12e-S15)	Unnamed
306600	1	Tigerton Pond	Lower Tigerton Pond
306700	1	Tiger Creek	Tiger Creek
306700	2	Tiger Creek	Tiger Creek
306800	1	Goede Creek	Unnamed
306900	1	Creek 6-14 (T26n, R12e)	Unnamed
307000	1	Creek 36-13 (T27n, R11e)	Unnamed
307100	1	Creek 36-2 (T27n, R11e)	Unnamed
307400	1	Un Lake	Unnamed
307800	1	Steinke Creek	Steinke Creek
308000	1	Un Spring	Un Spring
308100	1	Whitcomb Creek	Beetle Creek
308200	1	Larson Creek	Larsen Creek
308500	1	Spranger Creek	Spranger Creek
309200	1	Un Creek (T27n-R11e-S20)	Unnamed
309300	1	Creek 17-6 (T27n, R11e)	Unnamed
309500	1	Railroad Creek	Railroad Creek
309600	1	Un Spring	Un Spring
309700	1	Norrie Creek	Norrie Brook
310600	1	Mud Lake	Mud Lake
310700	1	Embarrass River-Middle Branch	Middle Br Embarrass River
310700	2	Embarrass River-Middle Branch	Middle Br Embarrass River
310700	3	Embarrass River Middle Branch	Middle Br Embarrass River
310700	4	Middle Branch Embarrass River	Middle Br Embarrass River
310800	1	Creek 9-14 (T26n, R13e)	Unnamed
310900	1	Logemanns Creek	Logemanns Creek
311000	1	Creek 32-13 (T27n, R13e)	Unnamed
311100	1	Creek 31-11 (T27n R13e)	Unnamed
311200	1	Creek 26-14 (T27n, R12e)	Simpson Creek
311300	1	Creek 28-13 (T27n, R12e)	Unnamed
311400	1	Dent Creek	Dent Creek
311500	2	Creek 22-9 (T27n, R12e)	Unnamed
311550	1	Creek 21-1 (T27n, R12e)	Unnamed
311600	1	Creek 24-4 (T27n, R11e)	Unnamed
311700	1	Creek 9-16 (T27n, R12e)	Unnamed

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311800	1	Wilson Creek	Wilson Creek
311900	1	Creek 7-2 (T27n, R12e)	Unnamed
312000	1	Un Creek (T27n-R11e-S11)	Unnamed
312100	1	Un Lake	Unnamed
312300	1	Un Lake	Unnamed
312400	1	Un Lake	Unnamed
312600	1	Homme Pond	Homme Pond
312700	1	Creek 4-13 (T27n, R11e)	Unnamed
312800	1	Packard Creek	Packard Creek
312900	1	Creek 28-7 (T28n, R11e)	Unnamed
312925	1	Creek 5-2 (T28n, R11e)	Unnamed
312950	1	Creek 30-15 (T29n, R11e)	Unnamed
312950	2	Creek 30-15 (T29n, R11e)	Unnamed
313100	1	Local Water	Unnamed
313200	1	Schmidt Creek	Schmidt Creek
313400	1	Un Spring	Un Spring
313500	1	Lex Creek	Lex Creek
313600	1	Elmhurst Creek	Elmhurst Creek
313700	1	Creek 23-9 (T29n, R11e)	Unnamed
314000	1	Creek 3-10 (T29n, R11e)	Unnamed
314700	1	Un Spring	Un Spring
316800	1	Shioc River	Shioc River
317100	2	Black Creek	Black Creek
318000	1	Herman Creek	Herman Creek
318200	1	Local Water	Unnamed
318600	1	Mink Creek	Mink Creek
318700	1	Shioc River-E. Branch	East Branch Shioc River
318900	1	Shioc River-W. Branch	West Branch Shioc River
318900	3	Shioc River-W. Branch	West Branch Shioc River
318900	4	Shioc River-W. Branch	West Branch Shioc River
319100	1	Unnamed Trib to W Br Shioc R	Unnamed
319200	1	Un Lake	Unnamed
319300	1	Slab City Creek	Slab City Creek
321000	1	Schoenick Creek	Schoenick Creek
321000	2	Schoenick Creek	Schoenick Creek

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321000	3	Schoenick Creek	Schoenick Creek
321100	1	Schoenick Lake	Schoenick Lake
321200	1	Unnamed E Trib. to Schoenick Cr	Unnamed
321300	1	Long Lake	Long Lake
321400	1	Unnamed W Trib to Schoenick Cr	Unnamed
321500	1	Un Creek (T26n-R16e-S32)	Unnamed
321700	1	School Section Creek	School Section Creek
322100	1	Rose Brook	Rose Brook
322100	2	Rose Brook	Rose Brook
322300	1	Creek 2-3 (T26n, R15e)	Unnamed
322500	1	Wolf River Pond	Wolf River Pond 1139
322600	1	Shawano Lake Outlet	Shawano Lake Outlet
322800	1	Shawano Lake	Shawano Lake
323000	1	Murray Creek	Murray Creek
323500	1	Local Water	Unnamed
323600	1	Loon Creek	Loon Creek
323600	2	Loon Creek	Loon Creek
323700	1	Washington Lake (Mud)	Washington Lake
323800	1	Loon Lake	Loon Lake
324000	1	Lulu Lake	Lulu Lake
324900	1	Un Lake	Unnamed
325000	1	Unnamed	Unnamed
325100	1	Duchess Creek	Duchess Creek
325200	1	Unnamed	Unnamed
325300	1	Bahr Lake	Bahr Lake
325400	1	Korth Lake	Korth Lake
325600	1	Lily Lake	Lily Lake
325700	1	Spring Lake	Spring Lake
325800	1	Pickerel Creek	Pickerel Creek
326000	1	Mud Lake	Mud Lake
326100	1	Unnamed	Unnamed
326200	1	Unnamed	Unnamed
326300	1	Un Lake	Unnamed
326400	1	White Clay Lake	White Clay Lake
326600	1	Red River	Red River

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326600	2	Red River	Red River
326600	5	Red River	Red River
326700	1	Kroenke Creek	Kroenke Creek
326700	2	Kroenke Creek	Kroenke Creek
327200	1	Gardner Creek	Gardner Creek
327200	2	Gardner Creek	Gardner Creek
327250	1	Creek 36-8 (T28n, R14e)	Unnamed
327600	1	Malone Lake	Malone Lake
327800	1	Red Lake, Lower (Weed Dam Pond)	Lower Red Lake
327900	1	Miller Creek	Miller Creek
328100	1	Moon Lake	Moon Lake
328300	1	Un Spring	Un Spring
328600	1	Island Creek	Island Creek
328600	2	Island Creek	Island Creek
328700	1	Creek 15-3 (T28n-R14e-S15)	Unnamed
328700	2	Creek 10-11	Unnamed
328800	1	Un Creek 15-3 (T28n-R14e-S10)	Unnamed
328900	1	Island Lake (Little)	Island Lake
329000	1	Creek 6-16 (T28n, R14e)	Unnamed
329100	1	Un Lake	Unnamed
329900	1	Red Lake, Upper (Gresham Pond)	Upper Red Lake
330000	1	Creek 32-2 (T28n, R14e)	Unnamed
330000	2	Creek 32-2 (T28n, R14e)	Unnamed
330100	1	Un Creek (T28n-R14e-S32)	Unnamed
330200	1	Smith Lake	Smith Lake
330300	1	Smith Creek	Smith Creek
330500	1	Slicky Creek	Slicky Creek
330600	1	Red River-W. Branch	West Branch Red River
330600	3	West Branch Red River	West Branch Red River
330600	4	Red River-W. Branch	West Branch Red River
330700	1	Silver Creek	Silver Creek
330800	1	Gold Creek	Gold Creek
331300	1	Un Spring	Un Spring
331600	1	Cranberry Lake	Cranberry Lake
331800	1	Un Spring	Un Spring

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332000	1	Un Spring	Un Spring
332200	1	Creek 24-9 (T29n, R12e)	Unnamed
332300	1	West Branch Red River	West Branch Red River -Un Channel
332400	1	Mattoon Creek	Mattoon Creek
332900	1	Mondl Creek	Mondl Creek
333000	2	Creek 1-4 (T29n, R11e)	Unnamed
333100	1	Mondl Spring	Mondl Spring
333300	1	Un Creek 6-16 (T29n-R12e-S06)	Unnamed
333300	2	Creek 6-16	Unnamed
334800	1	Creek 3-16 (T28n, R13e)	Unnamed
334900	1	Tousey Creek	Tousey Creek
339000	1	Alcohol Creek	Alcohol Creek
341900	2	Wolf River-W. Branch	West Branch Wolf River
344900	1	Volland Creek	Volland Creek
345000	1	Mud Lake	Mud Lake
345100	1	Big Lake	Big Lake
345200	1	Allender Creek	Allender Creek
411500	2	Potter Creek	Potter Creek
411600	1	West Branch Suamico River	West Branch Suamico River
411800	1	Little Suamico River	Little Suamico River
412100	1	Unnamed Stream	Unnamed
412400	1	Un Lake	Unnamed
412500	1	Un Lake	Unnamed
412900	1	Pensaukee River	Pensaukee River
414000	1	North Branch Pensaukee River	North Branch Pensaukee River
414800	1	Unnamed Trib to N Br Pensaukee River	Unnamed
414900	1	Mud Lake	Mud Lake
415000	1	Pensaukee Lakes	Pensaukee Lakes
415200	1	Un Spring	Un Spring
415500	1	Local Water	Unnamed
415600	1	Local Water	Unnamed
415900	1	Local Water	Unnamed
416000	1	Unnamed Trib to the Pensaukee River	Unnamed
416600	1	Local Water	Unnamed
417000	1	Pautz Lake	Pautz Lake

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440200	6	Oconto River	Oconto River
451200	1	Unnamed Stream	Unnamed
451700	1	Unnamed Stream	Unnamed
451900	1	Unnamed Stream	Unnamed
452100	1	Unnamed Stream	Unnamed
452200	1	Unnamed Stream	Unnamed
452300	1	Unnamed Stream	Unnamed
452600	1	Unnamed Stream	Unnamed
1408500	2	Aniwa Creek	Aniwa Creek
1408800	1	Pleasant Lake	Pleasant Lake
3000102	1	Unnamed Trib to N Br Pigeon River	Unnamed
3000222	1	Unnamed Creek T27n R12e S28	Unnamed
3000280	1	Creek 7-2 (T29n, R12e)	Unnamed
3000282	1	Creek 5-4 (T26n, R11e)	Unnamed
3000283	1	Creek 28-9 (T26n R12e)	Unnamed
3000284	1	Creek 2-1 (T26n, R12e)	Unnamed
3000285	1	Creek 15-3 (2002 Version)	Unnamed
3000286	1	Creek 1-2 (T26n, R13e)	Unnamed
3000388	1	Creek 5-2 (T26n, R13e)	Unnamed
3000397	1	Creek 10-16 (T29n, R11e)	Unnamed
3000557	1	Unnamed Stream	Unnamed
3000558	1	Local Water	Unnamed
3000574	1	Unnamed Stream	Unnamed
3000582	1	Unnamed Stream	Unnamed
3000592	1	Unnamed Stream	Unnamed
3000597	1	Unnamed Stream	Unnamed
3000599	1	Unnamed Trib to the Pensaukee River	Unnamed
3000601	1	Unnamed Trib	Unnamed
5011352	1	EFFLUENT DITCH	Unnamed
5012028	1	Unnamed	Unnamed
5012120	1	Unnamed Stream	Unnamed
5012229	1	Unnamed Stream	Unnamed
5012367	1	Unnamed Stream	Unnamed
5012423	1	Unnamed Stream	Unnamed
5012445	1	Unnamed	Unnamed

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5012492	1	Unnamed Stream	Unnamed
5012499	1	Unnamed Stream	Unnamed
5012501	1	Unnamed Stream	Unnamed
5012502	1	Unnamed Stream	Unnamed
5012829	1	Unnamed Trib to Wolf River	Unnamed
5013017	1	Unnamed	Unnamed
5013102	1	Unnamed	Unnamed
5013167	1	Unnamed	Unnamed
5013306	1	Unnamed	Unnamed
5013585	1	Unnamed Trib	Pensaukee River, Unnamed
5014152	1	Unnamed Trib to Schoenick Creek	Unnamed
5014156	1	Unnamed Stream	Unnamed
5014355	1	Unnamed Stream	Unnamed
5014448	1	Unnamed Stream	Unnamed
5014493	1	Unnamed Stream	Unnamed
5014494	1	Unnamed Stream	Unnamed
5014586	1	Unnamed Stream	Unnamed
5014692	1	Unnamed Stream	Unnamed
5014743	1	Unnamed Stream	Unnamed
5014776	1	Unnamed Stream	Unnamed
5014810	1	Unnamed Stream	Unnamed
5014963	1	Unnamed Stream	Unnamed
5014996	1	Unnamed Stream	Unnamed
5015004	1	Local Water	Unnamed
5015007	1	Unnamed Stream	Unnamed
5015051	1	Unnamed Stream	Unnamed
5015106	1	Unnamed Stream	Unnamed
5015170	1	Unnamed Stream	Unnamed
5015185	1	Unnamed Stream	Unnamed
5015290	1	Unnamed Stream	Unnamed
5015298	1	Unnamed Stream	Unnamed
5015298	2	Unnamed Stream	Unnamed
5015349	1	Unnamed Stream	Unnamed
5015386	1	Unnamed Stream	Unnamed
5015418	1	Unnamed Stream	Unnamed

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5015489	1	Unnamed Stream	Unnamed
5015656	1	Unnamed Stream	Unnamed
5015748	1	Unnamed Stream	Unnamed
5015792	1	Unnamed Stream	Unnamed
5015832	1	Unnamed Stream	Unnamed
5016214	1	Unnamed Stream	Unnamed
5534677	1	Local Water	Unnamed
5535277	1	Birnamwood Pond	Unnamed
5535316	1	Local Water	Unnamed
5535360	1	Local Water	Unnamed
5535682	1	Local Water	Unnamed
5535908	1	Unamed	Unnamed
5536344	1	Local Water	Unnamed
5536889	1	Local Water	Unnamed
5536917	1	Local Water	Unnamed
5536984	1	Local Water	Unnamed
5537022	1	Local Water	Unnamed
5537072	1	Local Water	Unnamed
5537116	1	Local Water	Unnamed
5537241	1	Local Water	Unnamed
5537575	1	Local Water	Unnamed
5537807	1	Local Water	Unnamed
5537923	1	Local Water	Unnamed
5537954	1	Local Water	Unnamed
5537958	1	Local Water	Unnamed
5538019	1	Local Water	Unnamed
5538459	1	Local Water	Unnamed
5538875	1	Local Water	Unnamed
5539045	1	Local Water	Unnamed
5539444	1	Unnamed Lake	Unnamed
5539584	1	Local Water	Unnamed
5539735	1	Local Water	Unnamed
5539754	1	Local Water	Unnamed
5540344	1	Local Water	Unnamed
5540354	1	Local Water	Unnamed

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5540410	1	Local Water	Unnamed
5540458	1	Local Water	Unnamed
5540691	1	Local Water	Unnamed
5540714	1	Local Water	Unnamed
5540776	1	Local Water	Unnamed
5540852	1	Local Water	Unnamed
5541275	1	Local Water	Unnamed
5541659	1	Local Water	Unnamed
5542965	1	Local Water	Unnamed
5543867	1	Local Water	Unnamed
5543969	1	Local Water	Unnamed
7215131	1	Creek 31-14 T29n R12e	Unnamed

Lab Account Codes

Account Code	Description	Start Date	End Date
WT142	303D/TMDL MONITORING	5/3/2011	12/31/2014

Forms

Form Code	Form Name
AIS_EDD_2013	AIS Early Detection Monitoring Form (R 06/2013)
CONTINUOUS	Continuous Data Upload
INORGANIC	Inorganic Lab - Field Data
SECCHI_TEMPDO_PLUS	Lake Monitoring - Secchi, Temp., D.O., pH, Conductivity
STREAM_MON	Stream Monitoring (Temp, DO, Trans, Flow)
WADEABLE_MACRO_FIELD	Wadeable Macroinvertebrate Field & Habitat Data

Methods

Method Code	Method Description
AIS_MON_CLMN_2011	AIS CLMN Monitoring Procedures 2011
AIS_STREAMS_2015	AIS Monitoring in Streams 2015
CLMN INTEGRATED SAMPLE	CLMN 6 ft integrated sampler 2003
ELECTROFISHING: BACKPACK SHOCKER	Electrofishing: Backpack Shocker
ELECTROFISHING: STREAM SHOCKER	Electrofishing: Stream Shocker
HABITAT SURVEY BASELINE PROTOCOLS	Habitat Baseline Survey Quantitative 2004
MACROINVERTEBRATE BASELINE PROTOCOLS	Macroinvertebrate Baseline D-frame Kick Net 2004

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DNR-FPM-SONDES2006	Multi-Parameter Continuous Meter (Sondes) Guidelines 2006
GRAB SAMPLE	Water Grab Sample Guidelines and Procedures 2005

Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
5/1/2014	COMPLETE		10016411	Unnamed Trib. - 10 Feet Below Grass Lake Road. 100 Feet Below Jim Retzlaff Farm.
5/1/2014	COMPLETE		10042145	UNT to Schoenick Creek 30m US Schoenrock Lake Rd
5/1/2014	COMPLETE		10014772	Schoenike Creek at Cloverleaf Lake Rd.
5/1/2014	COMPLETE		10042143	Schoenick Creek 200m ds St. John's Church Rd
5/12/2014 14:30	COMPLETE	SC-DS	10042142	Schoenick Creek 100m ds Long Lake Confluence
5/13/2014 11:45	COMPLETE	SC-SJ	10042143	Schoenick Creek 200m ds St. John's Church Rd
5/13/2014 11:55	COMPLETE	UNT-SLR	10042145	UNT to Schoenick Creek 30m US Schoenrock Lake Rd
5/13/2014 12:05	COMPLETE	UNT-GLR	10016411	Unnamed Trib. - 10 Feet Below Grass Lake Road. 100 Feet Below Jim Retzlaff Farm.
5/13/2014 12:45	COMPLETE	LONG LAKE	593003	Long Lake - Deep Hole
5/13/2014 14:00	COMPLETE	SC-US	10042141	Schoenick Creek 175m US Long Lake Confluence
5/13/2014 15:30	COMPLETE	SC-CLR	10014772	Schoenike Creek at Cloverleaf Lake Rd.
6/23/2014 10:15	COMPLETE	UNT-GLR2	10016411	Unnamed Trib. - 10 Feet Below Grass Lake Road. 100 Feet Below Jim Retzlaff Farm.
6/23/2014 10:30	COMPLETE	SS-SJCR2	10042143	Schoenick Creek 200m ds St. John's Church Rd
6/23/2014 10:45	COMPLETE	UNT-SRLR2	10042145	UNT to Schoenick Creek 30m US Schoenrock Lake Rd
6/23/2014 11:00	COMPLETE		593003	Long Lake - Deep Hole
6/23/2014 11:30	COMPLETE	NA	10042141	Schoenick Creek 175m US Long Lake Confluence
6/23/2014 12:15	COMPLETE	NA	10042142	Schoenick Creek 100m ds Long Lake Confluence
6/25/2014 10:15	COMPLETE	NA	10014772	Schoenike Creek at Cloverleaf Lake Rd.
7/23/2014 10:45	COMPLETE	UNTSC-GLR	10016411	Unnamed Trib. - 10 Feet Below Grass Lake Road. 100 Feet Below Jim Retzlaff Farm.
7/23/2014 10:50	COMPLETE	SCCLR	10014772	Schoenike Creek at Cloverleaf Lake Rd.
7/23/2014 11:30	COMPLETE	SCDSL	10042142	Schoenick Creek 100m ds Long Lake Confluence
7/23/2014 11:30	COMPLETE		593003	Long Lake - Deep Hole
7/23/2014 11:45	COMPLETE	SCUSLL	10042141	Schoenick Creek 175m US Long Lake Confluence
7/23/2014 13:00	COMPLETE	S6SJ	10042143	Schoenick Creek 200m ds St. John's Church Rd
7/23/2014 13:30	COMPLETE	UNT-SLR	10042145	UNT to Schoenick Creek 30m US Schoenrock Lake Rd
8/14/2014 8:25	COMPLETE	UNT-GLR4	10016411	Unnamed Trib. - 10 Feet Below Grass Lake Road. 100 Feet Below Jim Retzlaff Farm.
8/14/2014 8:35	COMPLETE	SCSJ4	10042143	Schoenick Creek 200m ds St. John's Church Rd
8/14/2014 8:45	COMPLETE	UNT-SLR4	10042145	UNT to Schoenick Creek 30m US Schoenrock Lake Rd
8/14/2014 8:55	COMPLETE	SL-CLR4	10014772	Schoenike Creek at Cloverleaf Lake Rd.

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Wisconsin Department of Natural Resources SWIMS Project Summary

8/14/2014 9:45	COMPLETE	SCUS4	10042141	Schoenick Creek 175m US Long Lake Confluence
8/14/2014 10:00	COMPLETE	SCDS4	10042142	Schoenick Creek 100m ds Long Lake Confluence
9/23/2014	COMPLETE		10042141	Schoenick Creek 175m US Long Lake Confluence
9/23/2014	COMPLETE		10042142	Schoenick Creek 100m ds Long Lake Confluence
9/23/2014 10:00	COMPLETE	SCSDS-5	10042142	Schoenick Creek 100m ds Long Lake Confluence
9/23/2014 10:00	COMPLETE		593003	Long Lake - Deep Hole
9/23/2014 11:00	COMPLETE	SCUS-5	10042141	Schoenick Creek 175m US Long Lake Confluence
9/23/2014 12:00	COMPLETE	SCSJ-5	10042143	Schoenick Creek 200m ds St. John's Church Rd
9/23/2014 12:10	COMPLETE	UNTS LR-5	10042145	UNT to Schoenick Creek 30m US Schoenrock Lake Rd
9/23/2014 12:15	COMPLETE	SCCLR-5	10014772	Schoenike Creek at Cloverleaf Lake Rd.
9/23/2014 13:30	COMPLETE	UNTGLR-5	10016411	Unnamed Trib. - 10 Feet Below Grass Lake Road. 100 Feet Below Jim Retzlaff Farm.
10/21/2014	COMPLETE		10016411	Unnamed Trib. - 10 Feet Below Grass Lake Road. 100 Feet Below Jim Retzlaff Farm.
10/21/2014	COMPLETE		10042924	Unnamed Trib to Schoenick Creek 170m ds Belle Plain Ave
10/21/2014	COMPLETE		10014772	Schoenike Creek at Cloverleaf Lake Rd.
10/21/2014	COMPLETE		10042145	UNT to Schoenick Creek 30m US Schoenrock Lake Rd
10/21/2014	COMPLETE		10042143	Schoenick Creek 200m ds St. John's Church Rd
10/21/2014 9:30	COMPLETE	UNTGLR-6	10016411	Unnamed Trib. - 10 Feet Below Grass Lake Road. 100 Feet Below Jim Retzlaff Farm.
10/21/2014 10:45	COMPLETE		593003	Long Lake - Deep Hole
10/21/2014 11:00	COMPLETE	SCUSLL-6	10042141	Schoenick Creek 175m US Long Lake Confluence
10/21/2014 11:15	COMPLETE	SCDSLL-6	10042142	Schoenick Creek 100m ds Long Lake Confluence
10/21/2014 12:05	COMPLETE	SCSJ-6	10042143	Schoenick Creek 200m ds St. John's Church Rd
10/21/2014 12:30	COMPLETE	UNT-SLR6	10042145	UNT to Schoenick Creek 30m US Schoenrock Lake Rd
10/21/2014 13:00	COMPLETE	SCCLR-6	10014772	Schoenike Creek at Cloverleaf Lake Rd.
10/29/2014	COMPLETE		10042835	Schoenick Creek 50m us CTH CC

Documents

Title	Description	Author	Published	Comments
NER_11_CMP14 status 10132016	NER_11_CMP14 status 10 13 2016	SWIMS Reports	10/13/2016	
Schoenick Creek Assessment Final Report (Hudak)	Schoenick Creek Assessment Final Report	Andrew Hudak	3/1/2016	
Water Quality in the Schoenick Creek Watershed and Long and Schoenick Lakes, Shawano County		Nancy Turyk, Paul McGinley, Kirk Lambrecht	6/1/2004	

Budget

Wisconsin Department of Natural Resources
SWIMS Project Summary

Budget Description: January-June			Start Date: 1/1/2014	End Date: 6/30/2014
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Code	Description	Quantity	Units	Unit Cost	Total Cost	Comments
FTE	FTE Hours	40	Hours	\$0.00	\$0.00	
LTE SAL	LTE Salary	20	Hours	\$14.00	\$280.00	
LTE FR	LTE Fringe				\$69.16	
LTE IND	LTE Indirect				\$56.46	
LTE TOT	LTE Total Cost				\$405.62	
SUPPLY	Supplies	3		\$25.00	\$75.00	Shipping Costs
EQUIP	Equipment	8		\$64.00	\$512.00	Temp Loggers
MILEAGE	Mileage	400	Miles	\$0.72	\$288.00	6 round trips
MEAL	Meals	6	Meals	\$10.00	\$60.00	
LODGE	Lodging				\$0.00	
TRAVEL	Travel Total				\$348.00	
BUG	Bug Contracts	0		\$0.00	\$0.00	
OTHER	Other Contracts	3		\$135.00	\$405.00	3 flights by WDNR Pilot to document sedimentation events
USGS	USGS Costs				\$0.00	
TOTAL	Total Cost (excludes SLOH)				\$1,745.62	

Total WSLH Lab Costs: \$0.00
Total Budget: \$1,745.62

Wisconsin Department of Natural Resources
SWIMS Project Summary

Budget Description: July-December			Start Date: 7/1/2014	End Date: 12/31/2014
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Code	Description	Quantity	Units	Unit Cost	Total Cost	Comments
FTE	FTE Hours	60	Hours	\$0.00	\$0.00	
LTE SAL	LTE Salary	20	Hours	\$13.00	\$260.00	
LTE FR	LTE Fringe				\$64.22	
LTE IND	LTE Indirect				\$52.43	
LTE TOT	LTE Total Cost				\$376.65	
SUPPLY	Supplies	4		\$25.00	\$100.00	Shipping
EQUIP	Equipment				\$0.00	
MILEAGE	Mileage	700	Miles	\$0.72	\$504.00	7 Round Trips-
MEAL	Meals	10	Meals	\$10.00	\$100.00	
LODGE	Lodging				\$0.00	
TRAVEL	Travel Total				\$604.00	
BUG	Bug Contracts	8		\$180.00	\$1,440.00	
OTHER	Other Contracts				\$0.00	
USGS	USGS Costs				\$0.00	
TOTAL	Total Cost (excludes SLOH)				\$2,520.65	

Total WSLH Lab Costs: \$0.00

Total Budget: \$2,520.65

Combined Budgets: \$4,266.27

Combined WSLH: \$0.00

Combined Total: \$4,266.27

Funding					
Organization	Source	Type	Amount	Start Date	End Date