Wisconsin Department of Natural Resources
SWIMS Project Summary

General Project Information

Project ID: North_TWA_7B_2013

Name: Tyler Forks and Potato River TWA (Project 2)

Type: Targeted Watershed Approach

Subtype: Planning (WQ, Nine Key Element)

Status: COMPLETE

Start Date: 1/1/2013

End Date: 12/31/2013

Purpose: The purpose of this project is to continue watershed data collection including biological data and water chemistry in the Tyler Forks Watershed and adding chemistry sites in the Potato River Watershed. Collection of fish community data, qualitative habitat, and macroinvertebrate data in the Potato River Watershed is also involved. Temperature data collection was conducted in the Tyler Forks Watershed at sites where the sensors failed in 2012. Water chemistry data will complete assessment information to provide ambient water quality information for an indepth understanding of the Tyler Forks and Upper Bad River watersheds and their unique and sensitive waterbodies. Funding also continues USGS Gage Station funding on Tyler Forks River at Stricker Road.

Objective: The work includes continuing monitoring waters to update waterbody assessment status information (i.e. future monitoring for 303(d) or ERW/ORW status) for making management recommendations and updating water body and watershed narratives in WATERS and for use in watershed planning. Collect background water quality information within a watershed and adjacent watersheds with a known iron ore deposit. The additional chemistry sites are chosen to be as similar to those currently being sampled in the Tyler Forks watershed. The plan is to sample the Potato River upstream and downstream of known iron ore deposit and then to select a small stream whose headwaters originate near the iron ore body. Additionally, a site in the Tyler Forks watershed and Potato River watershed will be selected that are not associated with the iron ore body for a comparison study as possible needed in the future.

Comments: Continuing Project from Tyler Forks Watershed Assessment. A few streams were identified during 2012 that should be surveyed or re surveyed at additional sites. Additional background water chemistries are proposed from an adjacent watershed with similar geologic formations for comparison. Additional water chemistries are proposed to be collected in the Tyler Forks Watershed Project at the same time for comparison.

Outcome: Possible future monitoring for 303(d) or ERW/ORW status, use of information for making management recommendations, updating waterbody and watershed narratives in WATERS and use in watershed planning. Collect additonal water chemistry information from a similar watershed for comparison.

Study Design: This project continues the data watershed data collection including biological information and water chemistries in the Tyler Forks Watershed, adding one additional chemistry site as well as include 4 chemistry sites in the Potato River Watershed. We plan to survey or re survey the fish community at approximately 8 sites depending site access. Qualitative habitat at a minimum will be recorded at any site where a fish survey is conducted. We will collect bug samples at the 4 new chemistry sites in the Potato River watershed. We will deploy temp sensors at those sites and probably up to 10 more sites in the Tyler Forks watershed especially at sites were the Temperature sensors failed to collect data in 2012. Additional temperature sites may be added depending on the number of sensors available. Four water chemistry samples will be collected at 4 locations in the Potato River watershed and 4 samples collected at a new site in the Tyler Forks watershed. We also propose to continue sampling water chemistries at the 6 Sites currently being sampled in the Tyler Forks and Upper Bad River watersheds through 2013. We are also requesting funding to continue the USGS Gaging Station on Tyler Forks River at Stricker Road for the year.

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

People

Name	Role	Status	Start Date	End Date	Organization	Comments
AARTILA, THOMAS P	COORDINATOR	COMPLETE	1/1/2013	12/31/2013	Wisconsin DNR	
GRAHAM, JOSEPH R	COORDINATOR	ACTIVE	1/1/2013	12/31/2013	Wisconsin DNR	
HAGEN, CHERIE L	SUPERVISOR	COMPLETE	1/1/2013	12/31/2013	Wisconsin DNR	
HAYES, JASON M	COORDINATOR	ACTIVE	1/1/2013	12/31/2013	Wisconsin DNR	

Wisconsin Department of Natural Resources
SWIMS Project Summary

Helmuth, Lisa D	COORDINATOR	INACTIVE	11/23/2019	12/28/2022	Wisconsin DNR	
KLEIST, JON J	COORDINATOR	ACTIVE	1/1/2013	12/31/2013	Wisconsin DNR	
KLOSIEWSKI, James M	COORDINATOR	ACTIVE	1/1/2013	12/31/2013	Wisconsin DNR	
LAVIGNE, CLIFFORD R	COORDINATOR	ACTIVE	1/1/2013	12/31/2013	Wisconsin DNR	
LEANNA, CHAD G	COORDINATOR	ACTIVE	1/1/2013	12/31/2013	Wisconsin DNR	
Roesler, Craig P	COORDINATOR	COMPLETE	1/1/2013	12/31/2013	Wisconsin DNR	
WENDLER, JEANETTE C	COORDINATOR	ACTIVE	1/1/2013	12/31/2014	Wisconsin DNR	

Project Statuses

Date	Reported By	Status	Comments
2/11/2013	JON KLEIST	Progress: 50-75% Complete	Current project fieldwork is 80% completed or more. Proposed continuing the Tyler Forks watershed assessment. Continuing Project from Tyler Forks Watershed Assessment. A few streams were identified during 2012 that should be surveyed or re surveyed at additional sites. Additional background water chemistries are proposed from an adjacent watershed with similar geologic formations for comparison. Additional water chemistries are prposed to be collected in the Tyler Forks Watershed Project at the same time for comparison.
9/20/2013	JON KLEIST	Progress: 75-100% Complete	Field work for project is almost complete. Fish and Qualitative habitat surveys were completed at the 4 new water chemistry sites added for this project. Four Bug samples still need to be collected. Additional fish and habitat surveys were completed on 5-10 more waterways or stream segments within the Tyler Forks, Bad River and Potato river watersheds. An exact count of additional sites is not available at this time. Some of these surveys were conducted as part of 2 days of intensive field surveys by several teams of biolgists on June 11-12. 3 of the 4 water chemistry runs in this project have been collected. The final water chemistry sample run will be collected in mid October. Two additional sites were added to the project on the Bad River at the request of wasterwater staff and to collect basline information in the Bad River. The project now has 13 sample sites where water samples have been collected. The results for the last 2 water sample runs are still pending from the SLOH. Eight continous temperature probes were deployed in the Potato and Tyler Forks watersheds. The probes need to be retrieved as of this date. The field data should be into SWIMS and the FH Database by the end of the year. A preliminary report with results from this project and the Tyler Forks Monitorring project will be completed with the data that is available in early 2014. The report will be updated as additional sampling results are updated.

Wisconsin Department of Natural Resources
SWIMS Project Summary

5/14/2014	JON KLEIST	Progress: 75-100% Complete	The field work portion of this project is now complete. Addtional field work is planned as continuation of this project in the Tyler Forks watershed and into surrounding watersheds. Refer to the Tyler Forks and surrounding area watershed project for 2014. Additional water chemistry, bug and fish surveys will be completed in 2014. All of the water chemistry sample and continuous temperature results have been reported and are in the SWIMS database. All of the Fish and habitat surveys have been entered into the FH database. The four bug samples collected under this project are still pending. The data generated form this and the previous Tyler Forks watershed project were used to review a pre-application for iron mining in the area. A final report will be completed as well updates for watershed planning after the feild season of 2014
12/11/2014	JON KLEIST	Progress: 75-100% Complete	Additional field work continued into 2014 with a new watershed project (Tyler Forks and surrounding area watershed project). That project included sites in adjacent HUC 10s (Upper Bad and Potato River watersheds) The four marcroinvertebrate samlpes for this project have been analysed and entered ino SWIMS. The final report for this project will likely be completed with the field data from 2014 in a larger report.

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
Monitor Watershed (Status,Sources,Impairments)		1/1/2013	12/31/2013	PROPOSED
Water Quality Planning	Water Quality Planning	1/1/2013	11/30/2017	IN_PROGRESS

Monitoring Stations

Station ID	Name	Comments
10032647	Alder Creek below Cemetery Creek mouth	
10041384	Apple Creek US confluence with Potato River	
10041625	Apple Creek US of O'Brien Lake Rd	
10000557	Bad River - 05 Mouth	
023015	Bad River - Copper Falls State Park Stp-	

Wisconsin Department of Natural Resources
SWIMS Project Summary

023129	Bad River - East Taylor Ave. Bridge On Ne Side Of Mellen	
023022	Bad River - Louisiana Pac Seaway Mellen 001	
023023	Bad River - Louisiana Pac Seaway Mellen 007	
023018	Bad River - Mellen Stp	
023041	Bad River - Mellen Well #1 Grdwater Intake	
10029062	Bad River - Upstream of Cayuga Rd	
10040676	Bad River 15m US of Devils Creek	
10041635	Bad River At Elm Hoist Rd BR	
10037307	Bad River at Caroline Lake outflow	
10033485	Bad River at Gilman Park	
10033484	Bad River at Morse	
023032	Bad River at Sth 13	
023033	Bad River at Sth 169	
023001	Bad River at USH 2	
10022079	Bad River- Hwy 169 Mellen	
10022078	Bad River--Hwy 13 Ashland Co.	
10009783	Ballou Creek - Station1	
10041580	Ballou Creek 10 M upstream of confluence of unnamed tributary	
10041587	Ballou Creek 160 meters downstream of confluence with unnamed tributary	
10034374	Ballou Creek at Red House Rd	
10034373	Ballou Creek upstream Devils Confluence	
10041479	Barr Creek	
10016894	Brush Creek - Downstream Of Fr 354 Culvert.Bc2	
10010679	Brush Creek 1	
10037096	Bull Gus Creek 100m DS of FR 703	
10020879	Bull Gus Creek-16 Yd. Downstream Of Unnamed Gravel Road	
10041616	CITY CREEK - South LAKE DRIVE CROSSING	
10012884	Camp Four Creek at Fisher Rd	
10039075	Chase Creek - DS of snowmobile bridge - T46NR1WSec23	
10032786	Chase Creek at Trail south of Freburg Road	
10039073	City Creek - North Lake Drive Crossing - Upstream	
10031997	City Creek - west of Lake Dr	
10031998	City Creek above Jolkenen Rd	
10040694	Devils Creek 185m DS STH 77	

Wisconsin Department of Natural Resources
SWIMS Project Summary

10041632	Devils Creek Headwaters - Station 1	
10041741	Devils Creek Headwaters - Station 2 along Hwy 77	
10008059	Devils Creek Station #1	
10008060	Devils Creek Station #2	
10037097	Devils Creek at Hwy 77	
10037308	Devils Creek at Oppergard Rd	
10034375	Devils Creek at Upstream Ballou Confluence	
10034565	Dunn Creek	
10034563	Erickson Creek - Posvic property	
10034370	Erickson Creek at Casey Sag Rd	
10034566	Feldcher Creek - Burns Rd	
10039076	Frieberg Creek - Downstream of Frieberg Rd.	
10032785	Frieberg Creek at Trail south of Clement Road	
10029311	GEHRMAN CREEK 10M UPSTREAM OF HWY 169	
10039136	Gehrman Creek at Popko Rd	
10041422	Javorsky Creek	
10034559	Javorsky Creek - Hwy 77	
10034371	Javorsky Creek at Hwy 77	
10041588	Javorsky Creek upstream of ATV trail culvert	
10022051	Krause Creek - Ashland County - 100 Yds DS Gulf Course Rd	
10041403	Lawrence Creek at Ruks Rd Crossing	
10031000	Magee Creek - Along Camp E. Rd	
10031001	Magee Creek - Bunte Shack Rd	
10029360	Magee Creek - Downstream side of Shirley Lake Rd.	
10011200	Magee Creek 1-Mackenberg Rd	
10043140	Magee Creek SE 1/4 of Sec. 15 T43N R1W	
10017292	Magee Creek-3 Yds. Downstream Of Private Atv Bridge (Along Camp E Rd.)	
10043150	Mineral Creek near Minnie Creek Confluence	
10022072	Minnie Creek - Camp K Road #2	
10022073	Minnie Creek at Morse Line Rd	
10022071	Minnie Creek-Camp K Road	
10021805	Minnow Creek - Downstream Of Long Lake Rd	
10034567	Montreal Creek - confluence with Devil's Creek	
10022081	Montreal Creek- 3 Rivers Ball Park -Devil'S Creek	
10022080	Montreal Creek-County Line Road	

Wisconsin Department of Natural Resources
SWIMS Project Summary

10030463	Mud Creek (Appr. 38m upstream from Caroline Lake Rd)	
10041391	Mud Creek (T46 R1E Sec 7)	
10029359	Mud Creek - downstream side of Caroline Lake Rd	
10039681	Mud Creek 5m US of Confluence unnamed tributary	
10031003	Norman Creek - County Forest 701 Rd.	
10032778	North Branch Lawrence Creek at State Highway 122	
10032780	North Branch Lawrence River Creek at Trail west of State Highway 122	
10034376	Opergard Creek at Off Revai Rd	
10029292	Potato River 10 M upstream of Potato River Rd	
10039997	Potato River 10m US of Apple Cr (FR 700) Rd	
10039996	Potato River 200m US of STH 77	
10032782	Potato River Unnamed Trib at Island Lake Road	
263032	Potato River at Hwy 169 Nr Gurney	
10041397	Potato River at Snake Track Rd Crossing (T45N R1E S22)	
10032784	Potato River at State Highway 77	
10032781	Potato River at Trail Crossing	
263031	Potato River at Upson	
10034378	Potato River at Upson Park	
10043143	Potato River near Vaughn Creek Confuence	
10041398	Potato River off Island Lake Rd Crossing	
10041394	Potato River off Upson Lake Rd	
10041400	Potato River off of Nick Kangas Rd	
10041399	Potato River off of Ricca Rd (T45N R1E S12)	
10020725	Potato River-1\4 Mile North Of Highway 77	
10012914	Rouse Creek	
10015490	Rouse Creek A1	
10015491	Rouse Creek A2	
10038722	Scott Taylor Creek 10 m US of Confluence with Unnamed Stream	
10013020	Scott Taylor S of STH 169	
10012992	Scott-Taylor Fork Creek	
10013019	Scott-Taylor N. of Sth 169	
10012912	Shine Creek	
10043139	Shine Creek - Marathon Rd south to Shine Lake	
10043138	Shine Creek DS from dirt road (NW 1/4 of NE 1/4 of Sec. 33 T44N R1E)	

Wisconsin Department of Natural Resources
SWIMS Project Summary

10029740	Shine creek-old bridge	
10039971	Sixteen Creek 5m US STH 77	
10012883	Spring Creek - (Camp N Rd)	
10029738	Sullivan creek-sullivan grade crossing	
10030999	Trib. to Maggee Creek - County Forest 709 Rd.	
10015529	Tributary To Unnamed Creek A1	
10022075	Trout Brook-Spring Brook Road	
10041615	Turntable Creek Downstream of Gravel Pit Road	
10041395	Turntable Creek off of Snake Track Rd (T45N R1E S34)	
10036597	Tyler Fks - Area of Open Water	
10034350	Tyler Forks - Caroline Lake Road	
10034351	Tyler Forks - Moore Park Rd	
10034352	Tyler Forks - Vogues Road	
10038723	Tyler Forks 2m US Shirley Lake Road	
10012906	Tyler Forks at Hwy 77	
10034446	Tyler Forks at Stricker Rd	
10030684	Tyler Forks at footbridge above Brownstone Falls in Copper Falls S.P.	
10012907	Tyler Forks at2 (Downstream Of O'Brien Lake)	
10032004	Tyler Forks below State Hwy 169	
10032005	Tyler Forks below Will Rd	
10043146	UNNAMED SINGLE-LINE STREAM T45N-R2W-S34 - PDX: GULLY CREEK	
10041393	UNNAMED TRIB OF POTATO RIVER OFF ISLAND LAKE RD (T45N R1E S 23-34)	
10041392	UNNAMED TRIB TO VAUGHN CREEK - CURRY RD (T46N R1W S10 NW1/4)	
10038719	Unnamed (Gold Mine) Creek 3m US gravel road	
10035469	Unnamed - Area of Open Water	
10013012	Unnamed Creek	
10012943	Unnamed Creek (at Caroline Lk Rd)	
10015532	Unnamed Creek A1	
10015539	Unnamed Creek A2	
10012882	Unnamed Stream - (Shirley Lake Rd)	
10041564	Unnamed Trib (2930800) to Ballou Creek	
10041579	Unnamed Trib (5002672) to Devils Creek	
10041530	Unnamed Trib to CIty Creek	

Wisconsin Department of Natural Resources
SWIMS Project Summary

10039074	Unnamed Trib to City Creek - at North Lake Drive Crossing	
10039071	Unnamed Trib to Mud Creek 105 M DS logging road	
10039970	Unnamed Trib to Mud Creek 10m US Caroiline Lake Road	
10041396	Unnamed Trib to Potato River off Upson Lake Rd (T45N R1E S7)	
10041401	Unnamed Trib to Potato River off of Bridge Crossing on Co Forest Rd (T46N R1W S21 NE1/4 of NE1/4)	
10041408	Unnamed Tributary (2926600) to Tyler Forks 340 m DS of old beaver dam/meadow	
10038724	Unnamed Tributary (2926600) to Tyler Forks 50 m DS of old beaver dam/meadow	
10041522	Unnamed Tributary (2930900) to Ballou Cr 10m upstream of confluence with Ballou Creek	
10041523	Unnamed Tributary (2930900) to Ballou Cr 115m downstream of private bridge	
10041409	Unnamed Tributary (2930900) to Ballou Cr 200m DS bridge	
10038721	Unnamed Tributary to Scott Taylor Cr 10 m US of confluence	
10038720	Unnamed Tributary to Scott Taylor Creek 160m DS STH 169	
10037309	Unnamed Tyler Forks Trib at FR 703	
10037786	Unnamed stream 120m DS of Bunte Shack Rd.	
10034372	Unnamed trib to Rouse Cr at Casey Sag Rd	
10041591	Unnamed tributary 50m upstream of confluence with Unnamed tributary to Ballou Creek.	
10041589	Unnamed tributary to Devils Creek	
10041592	Unnamed tributary to Unnamed tributary to Ballou Creek 100m downstream of road culvert.	
10029521	VAUGHN CREEK CLEMENT RD - UP and DOWNSTREAM	
10029522	VAUGHN CREEK IMMEDIATELY DOWNSTREAM OF WYLAND RD	
10029520	VAUGHN CREEK at CURRY RD - UPSTREAM	
10032648	Vaughn Creek at Hwy. 122 Saxon	
10033483	Vaughn Creek at Lower Rd	
10038718	Vogue Creek 20m US Vogue Creek Road	
10020738	Vogue Creek-30 Yd. Downstream Of Sullivan Fire Lane	
10012879	Voque Creek (Vogues Rd)	
10012981	Voque Creek - (Upstream Of Little Lake)	
10029741	shine creek--culvert	
10029742	shine creek-downstream of road crossing	

Wisconsin Department of Natural Resources
SWIMS Project Summary

Assessment Units

WBIC	Segment	Local Name	Official Name
2408700	1	Magee Creek	Magee Creek
2408700	2	Magee Creek	Magee Creek
2409000	1	Local Water	Unnamed
2409200	1	Unnamed Stream	Unnamed
2891900	2	Bad River	Bad River
2891900	3	Bad River	Bad River
2891900	4	Bad River	Bad River
2891900	5	Bad River	Bad River
2891900	6	Bad River	Bad River
2906200	1	Potato River	Potato River
2906200	3	Potato River	Potato River
2906300	3	Vaughn Creek	Vaughn Creek
2906500	1	Unnamed Stream	Unnamed
2907200	1	Barr Creek	Barr Creek
2907600	1	Freiberg Creek	Frieberg Creek
2907700	1	Mud Creek	Mud Creek
2907900	1	Chase Creek	Chases Creek
2908200	1	Sullivan Creek	Sullivan Creek
2908600	1	Unnamed (Tributary to Potato River)	Unnamed
2908700	2	Alder Creek	Alder Creek
2908850	1	Sixteen Creek	Sixteen Creek
2910000	1	Apple Creek	Apple Creek
2910400	1	Norman Creek	Norman Creek
2911300	1	Turntable Creek	Turntable Creek
2911300	2	Turntable Creek	Turntable Creek
2911600	1	Unnamed Stream	Unnamed
2913900	2	Trout Brook	Trout Brook
2923100	1	Tyler Forks	Tyler Fks
2923100	3	Tyler Forks	Tyler Fks
2923100	4	Tyler Forks	Tyler Fks
2923100	5	Tyler Forks	Tyler Fks
2923300	1	Scott-Taylor Creek	Scott-Taylor Creek
2923400	1	Unnamed Trib to Scott Taylor Cr	Unnamed

Wisconsin Department of Natural Resources
SWIMS Project Summary

2923400	2	Unnamed Stream	Unnamed
2923500	1	Gehrman Creek	Gehrman Creek
2923600	1	Camp Four Creek	Camp Four Creek
2923800	1	Feldcher Creek	Feldcher Creek
2924100	1	Vogue Creek	Vogue Creek
2924300	1	Unnamed Stream	Unnamed
2924600	1	Javorsky Creek	Javorsky Creek
2924700	1	Dunn Creek	Dunn Creek
2924800	1	Erickson Creek	Erickson Creek
2925000	1	Rouse Creek	Rouse Creek
2925100	1	Unnamed Stream	Unnamed
2925800	1	Unnamed Stream	Unnamed
2926000	1	Mud Creek	Mud Creek
2926200	1	Unnamed Stream	Unnamed
2926600	1	Unnamed Stream	Unnamed
2926700	1	Bull Gus Creek	Bull Gus Creek
2927300	1	Spring Creek	Spring Creek
2927400	1	Unnamed Stream	Unnamed
2927600	1	Shine Creek	Shine Creek
2927600	2	Shine Creek	Shine Creek
2929000	1	Krause Creek	Krause Creek
2929300	1	Devils Creek	Devils Creek
2929400	1	Montreal Creek	Montreal Creek
2929400	2	Montreal Creek	Montreal Creek
2929600	1	Unnamed Stream	Unnamed
2929700	1	Opergard Creek (Gully Creek)	Opergard Creek
2930100	1	City Creek	City Creek
2930200	1	Unnamed (Tributary to City Creek)	Unnamed
2930700	1	Ballou Creek	Ballou Creek
2930700	2	Ballou Creek	Ballou Creek
2930800	1	Unnamed Trib to Ballou Cr.	Unnamed
2930900	1	Unnamed Tributary to Ballou Creek	Unnamed
2933600	1	Brush Creek	Brush Creek
2934600	1	Minnow Creek	Minnow Creek
2936700	1	Unnamed Trib (Dry Creek) to the Bad River	Unnamed

Wisconsin Department of Natural Resources
SWIMS Project Summary

2937100	1	Minnie Creek	Minnie Creek
2937400	1	Mineral Creek	Mineral Creek
3000151	1	Coil Creek	Unnamed
3000519	1	Unnamed Trib to Chase Creek	Unnamed
3000520	1	Unnamed Trib. to Unnamed Creek	Unnamed
4000019	1	Wolf Creek (T44-R1W-S16-9a)	Unnamed
5002492	1	Unnamed Stream	Unnamed
5002557	1	Unnamed Stream	Unnamed
5002672	1	Unnamed tributery to Devils Creek	Unnamed
5002727	1	Unnamed Stream	Unnamed
5002767	1	Unnamed (Tributary to City Creek)	Unnamed
5503497	1	Local Water	Unnamed
5503999	1	Local Water	Unnamed

Lab Account Codes

Account Code	Description	Start Date	End Date
WT159	TYLER FORKS ASSESSMENT	5/10/2012	6/30/2013

Forms

Form Code	Form Name

Methods

Method Code	Method Description

Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
5/13/2013 14:15	COMPLETE	TMC-4	10039970	Unnamed Trib to Mud Creek 10m US Caroiline Lake Road
5/13/2013 14:15	COMPLETE	TMC-4	10039970	Unnamed Trib to Mud Creek 10m US Caroiline Lake Road
5/13/2013 15:10	COMPLETE	NC-5	10031003	Norman Creek - County Forest 701 Rd.
5/13/2013 15:10	COMPLETE	NC-5	10031003	Norman Creek - County Forest 701 Rd.
5/13/2013 15:40	COMPLETE	SX-6	10039971	Sixteen Creek 5m US STH 77
5/13/2013 15:40	COMPLETE	SX-6	10039971	Sixteen Creek 5m US STH 77
5/14/2013 1:35	COMPLETE	PR-9	10039997	Potato River 10m US of Apple Cr (FR 700) Rd
5/14/2013 13:35	COMPLETE	PR-9	10039997	Potato River 10m US of Apple Cr (FR 700) Rd
5/14/2013 14:15	COMPLETE	PR-10	10039996	Potato River 200m US of STH 77
5/14/2013 14:15	COMPLETE	PR-19	10039996	Potato River 200m US of STH 77
6/24/2013 13:35	COMPLETE	UMC-4	10039970	Unnamed Trib to Mud Creek 10m US Caroiline Lake Road
6/24/2013 14:09	COMPLETE	NC-5	10031003	Norman Creek - County Forest 701 Rd.

Wisconsin Department of Natural Resources
SWIMS Project Summary

6/24/2013 14:35	COMPLETE	SX-6	10039971	Sixteen Creek 5m US STH 77
6/25/2013 10:36	COMPLETE	PR-8	10039996	Potato River 200m US of STH 77
6/25/2013 11:13	COMPLETE	PR-9	10039997	Potato River 10m US of Apple Cr (FR 700) Rd
6/26/2013 12:40	COMPLETE	NC-5	10031003	Norman Creek - County Forest 701 Rd.
6/26/2013 12:40	COMPLETE	PR-8	10039996	Potato River 200m US of STH 77
6/26/2013 12:40	COMPLETE	PR-9	10039997	Potato River 10m US of Apple Cr (FR 700) Rd
6/26/2013 12:40	COMPLETE	SX-6	10039971	Sixteen Creek 5m US STH 77
6/26/2013 12:40	COMPLETE	UMC-4	10039970	Unnamed Trib to Mud Creek 10m US Caroiline Lake Road
8/20/2013 12:00	COMPLETE	BA-1	10034373	Ballou Creek upstream Devils Confluence
8/20/2013 12:00	COMPLETE	BA-1	10034373	Ballou Creek upstream Devils Confluence
8/20/2013 12:18	COMPLETE	DV-2	10034375	Devils Creek at Upstream Ballou Confluence
8/20/2013 12:18	COMPLETE	DV-2	10034375	Devils Creek at Upstream Ballou Confluence
8/20/2013 13:03	COMPLETE	BG-3	10037096	Bull Gus Creek 100m DS of FR 703
8/20/2013 13:03	COMPLETE	BG-3	10037096	Bull Gus Creek 100m DS of FR 703
8/20/2013 13:40	COMPLETE	TMC-4	10039970	Unnamed Trib to Mud Creek 10m US Caroiline Lake Road
8/20/2013 13:40	COMPLETE	TMC-4	10039970	Unnamed Trib to Mud Creek 10m US Caroiline Lake Road
8/20/2013 14:20	COMPLETE	NC-5	10031003	Norman Creek - County Forest 701 Rd.
8/20/2013 14:20	COMPLETE	NC-5	10031003	Norman Creek - County Forest 701 Rd.
8/20/2013 14:50	COMPLETE	SX-6	10039971	Sixteen Creek 5m US STH 77
8/20/2013 14:50	COMPLETE	SX-6	10039971	Sixteen Creek 5m US STH 77
8/20/2013 15:17	COMPLETE	JV-7	10034371	Javorsky Creek at Hwy 77
8/20/2013 15:17	COMPLETE	JV-7	10034371	Javorsky Creek at Hwy 77
8/21/2013 11:27	COMPLETE	TF-8	10034350	Tyler Forks - Caroline Lake Road
8/21/2013 11:27	COMPLETE	TF-8	10034350	Tyler Forks - Caroline Lake Road
8/21/2013 12:57	COMPLETE	PR-9	10039996	Potato River 200m US of STH 77
8/21/2013 12:57	COMPLETE	PR-9	10039996	Potato River 200m US of STH 77
8/21/2013 13:35	COMPLETE	PR-10	10039997	Potato River 10m US of Apple Cr (FR 700) Rd
8/21/2013 13:35	COMPLETE	PR-10	10039997	Potato River 10m US of Apple Cr (FR 700) Rd
8/21/2013 14:05	COMPLETE	TF-11	10012906	Tyler Forks at Hwy 77
8/21/2013 14:05	COMPLETE	TF-11	10012906	Tyler Forks at Hwy 77
8/21/2013 15:00	COMPLETE	BR-12	10040676	Bad River 15m US of Devils Creek
8/21/2013 15:03	COMPLETE	BR-12	10040676	Bad River 15m US of Devils Creek
8/21/2013 15:20	COMPLETE	BR-13	10033485	Bad River at Gilman Park
8/21/2013 15:20	COMPLETE	BR-13	10033485	Bad River at Gilman Park
9/25/2013	COMPLETE		10039997	Potato River 10m US of Apple Cr (FR 700) Rd

Wisconsin Department of Natural Resources
SWIMS Project Summary

9/25/2013	COMPLETE		10039971	Sixteen Creek 5m US STH 77
9/25/2013	COMPLETE		10031003	Norman Creek - County Forest 701 Rd.
10/1/2013	COMPLETE		10039996	Potato River 200m US of STH 77
10/15/2013 11:10	COMPLETE	BA-1	10034373	Ballou Creek upstream Devils Confluence
10/15/2013 11:10	COMPLETE	BA-1	10034373	Ballou Creek upstream Devils Confluence
10/15/2013 11:25	COMPLETE	DV-2	10034375	Devils Creek at Upstream Ballou Confluence
10/15/2013 11:25	COMPLETE	DV-2	10034375	Devils Creek at Upstream Ballou Confluence
10/15/2013 12:25	COMPLETE	BG-3	10037096	Bull Gus Creek 100m DS of FR 703
10/15/2013 12:25	COMPLETE	BG-3	10037096	Bull Gus Creek 100m DS of FR 703
10/15/2013 13:00	COMPLETE	UMC-4	10039970	Unnamed Trib to Mud Creek 10m US Caroiline Lake Road
10/15/2013 13:00	COMPLETE	UMC-4	10039970	Unnamed Trib to Mud Creek 10m US Caroiline Lake Road
10/15/2013 13:35	COMPLETE	NC-5	10031003	Norman Creek - County Forest 701 Rd.
10/15/2013 13:35	COMPLETE	NC-5	10031003	Norman Creek - County Forest 701 Rd.
10/15/2013 14:05	COMPLETE	SX-6	10039971	Sixteen Creek 5m US STH 77
10/15/2013 14:05	COMPLETE	SX-6	10039971	Sixteen Creek 5m US STH 77
10/15/2013 14:35	COMPLETE	JV-7	10034371	Javorsky Creek at Hwy 77
10/15/2013 14:36	COMPLETE	JV-7	10034371	Javorsky Creek at Hwy 77
10/17/2013 10:40	COMPLETE	TF-8	10034350	Tyler Forks - Caroline Lake Road
10/17/2013 10:40	COMPLETE	TF-8	10034350	Tyler Forks - Caroline Lake Road
10/17/2013 11:20	COMPLETE	PR-9	10039997	Potato River 10m US of Apple Cr (FR 700) Rd
10/17/2013 11:20	COMPLETE	PR-9	10039997	Potato River 10m US of Apple Cr (FR 700) Rd
10/17/2013 11:47	COMPLETE	PR-10	10039996	Potato River 200m US of STH 77
10/17/2013 11:47	COMPLETE	PR-10	10039996	Potato River 200m US of STH 77
10/17/2013 12:40	COMPLETE	TF-11	10012906	Tyler Forks at Hwy 77
10/17/2013 12:40	COMPLETE	TF-11	10012906	Tyler Forks at Hwy 77
10/17/2013 13:15	COMPLETE	BR-12	10040676	Bad River 15m US of Devils Creek
10/17/2013 13:15	COMPLETE	BR-12	10040676	Bad River 15m US of Devils Creek
10/17/2013 13:34	COMPLETE	BR-13	10033485	Bad River at Gilman Park
10/17/2013 13:34	COMPLETE	BR-13	10033485	Bad River at Gilman Park

Documents

Title	Description	Author	Published	Comments

Budget

Budget Description: Tyler Forks Watershed Assessment Jan-June 2013 **Start Date:** **End Date:**

Code	Description	Quantity	Units	Unit Cost	Total Cost	Comments
FTE	FTE Hours	80	Hours	$0.00	$0.00	

Wisconsin Department of Natural Resources
SWIMS Project Summary

Code	Description	Quantity	Units	Unit Cost	Total Cost	Comments
LTE SAL	LTE Salary	50	Hours	$13.00	$650.00	
LTE FR	LTE Fringe				$160.55	
LTE IND	LTE Indirect				$131.07	
LTE TOT	LTE Total Cost				$941.62	
SUPPLY	Supplies	1		$100.00	$100.00	Sample Shipping
EQUIP	Equipment				$0.00	
MILEAGE	Mileage	1000	Miles	$0.72	$720.00	
MEAL	Meals	6	Meals	$9.00	$54.00	LTE Lunch
LODGE	Lodging				$0.00	
TRAVEL	Travel Total				$774.00	
BUG	Bug Contracts				$0.00	
OTHER	Other Contracts				$0.00	
USGS	USGS Costs	1		$3,000.00	$3,000.00	Gage at Stricker road
TOTAL	Total Cost (excludes SLOH)				$4,815.62	

Test Code	Description	Test Group	# Planned	Unit Cost	Total Cost
I150ZR1	ARSENIC, TOTAL REC, ICP-MS (EPA 1638)	INORGANIC CHEMISTRY	10	$7.15	$71.50
I220ZR1	CADMIUM, TOTAL REC, ICP-MS (EPA 1638)	INORGANIC CHEMISTRY	10	$7.15	$71.50
I230IR1	CALCIUM, TOTAL REC, ICP (SW846 6010B)	INORGANIC CHEMISTRY	10	$14.00	$140.00
I240FLT	CHLORIDE (EPA 325.2)	INORGANIC CHEMISTRY	10	$20.00	$200.00
I260ZR1	CHROMIUM, TOTAL REC, ICP-MS (EPA 1638)	INORGANIC CHEMISTRY	10	$7.15	$71.50
I305ALT	CONDUCTIVITY PH & ALK (SM2510B/EPA 150.1/SM2320B)	INORGANIC CHEMISTRY	10	$22.00	$220.00
I310ZR1	COPPER, TOTAL REC, ICP-MS (EPA 1638)	INORGANIC CHEMISTRY	10	$7.15	$71.50
I322IR1	DIG, TOTAL REC, ICP, LIQUIDS (SW846 3005A)	INORGANIC CHEMISTRY	10	$21.45	$214.50
I323ZDR	DIG, TOTAL REC, ICP-MS, IN BOTTLE (EPA 1638)	INORGANIC CHEMISTRY	10	$17.88	$178.80
I340IR1	HARDNESS (AS CACO3), TOTAL REC, CALC (SM 2340B)	INORGANIC CHEMISTRY	10	$5.37	$53.70
I370IR1	IRON, TOTAL REC, ICP (SW846 6010B)	INORGANIC CHEMISTRY	10	$14.00	$140.00
I380ZR1	LEAD, TOTAL REC, ICP-MS (EPA 1638)	INORGANIC CHEMISTRY	10	$7.15	$71.50
I390IR1	MAGNESIUM, TOTAL REC, ICP (SW846 6010B)	INORGANIC CHEMISTRY	10	$14.00	$140.00
I400ZR1	MANGANESE, TOTAL REC, ICP-MS (EPA 1638)	INORGANIC CHEMISTRY	10	$7.15	$71.50
I430ZDT	MERCURY, ATOMIC FLUORESCENCE (EPA 1631)	INORGANIC CHEMISTRY	10	$80.00	$800.00
I440NLD	AMMONIA (AS N), DISS (EPA 350.1)	INORGANIC CHEMISTRY	10	$25.89	$258.90

Wisconsin Department of Natural Resources
SWIMS Project Summary

Test Code	Description	Test Group	# Planned	Unit Cost	Total Cost
I460MLD	NITRATE+NITRITE (AS N), DISS (EPA 353.2)	INORGANIC CHEMISTRY	10	$27.00	$270.00
I470DLT	TOTAL KJELDAHL NITROGEN (AS N) (EPA 351.2)	INORGANIC CHEMISTRY	10	$32.99	$329.90
I480ZR1	NICKEL, TOTAL REC, ICP-MS (EPA 1638)	INORGANIC CHEMISTRY	10	$7.15	$71.50
I495ZBC	CLEAN BOTTLE PREP - MERCURY	INORGANIC CHEMISTRY	10	$25.03	$250.30
I520PLT	TOTAL PHOSPHORUS (AS P) (EPA 365.1)	INORGANIC CHEMISTRY	10	$23.60	$236.00
I550ZR1	SELENIUM, TOTAL REC, ICP-MS (EPA 1638)	INORGANIC CHEMISTRY	10	$7.15	$71.50
I600ELT	SULFATE (EPA 375.2)	INORGANIC CHEMISTRY	10	$26.00	$260.00
I650JLT	SUSPENDED SOLIDS (EPA METHOD 160.2)	INORGANIC CHEMISTRY	10	$18.80	$188.00
I660NLT	TURBIDITY, NON-SDWA COMPLIANCE (SM 2130B)	INORGANIC CHEMISTRY	10	$10.00	$100.00
I670ZR1	ZINC, TOTAL REC, ICP-MS (EPA 1638)	INORGANIC CHEMISTRY	10	$7.15	$71.50
I720BLT	FIELD TESTS	INORGANIC CHEMISTRY	10	$6.36	$63.60
O1662A2	DISSOLVED ORGANIC CARBON (DOC) IN WATER - SM5310C	ORGANIC CHEMISTRY	10	$49.01	$490.10
O1662P2	DISSOLVED ORGANIC CARBON (DOC)-WATER-PREP-SM5310C	ORGANIC CHEMISTRY	10	$19.36	$193.60

Total WSLH Lab Costs: $5,370.90

Total Budget: $10,186.52

Budget Description: Tyler Forks Watershed Assessment July-December 2013 **Start Date:** **End Date:**

Code	Description	Quantity	Units	Unit Cost	Total Cost	Comments
FTE	FTE Hours	120	Hours	$0.00	$0.00	
LTE SAL	LTE Salary	300	Hours	$13.00	$3,900.00	LTE Monitoring, Data entry, QA of Planning Tables form watershed plan
LTE FR	LTE Fringe				$963.30	
LTE IND	LTE Indirect				$786.40	
LTE TOT	LTE Total Cost				$5,649.70	
SUPPLY	Supplies	1		$350.00	$350.00	Shipping, alcohol
EQUIP	Equipment				$0.00	
MILEAGE	Mileage	1500	Miles	$0.72	$1,080.00	
MEAL	Meals	6	Meals	$9.00	$54.00	
LODGE	Lodging				$0.00	
TRAVEL	Travel Total				$1,134.00	
BUG	Bug Contracts	4		$180.00	$720.00	at new chemistry sites
OTHER	Other Contracts				$0.00	

Wisconsin Department of Natural Resources
SWIMS Project Summary

Code	Description	Quantity	Units	Unit Cost	Total Cost	Comments
USGS	USGS Costs	1		$3,000.00	$3,000.00	Gage at Stricker Road
TOTAL	Total Cost (excludes SLOH)				$10,853.70	

Test Code	Description	Test Group	# Planned	Unit Cost	Total Cost
I150ZR1	ARSENIC, TOTAL REC, ICP-MS (EPA 1638)	INORGANIC CHEMISTRY	22	$7.15	$157.30
I220ZR1	CADMIUM, TOTAL REC, ICP-MS (EPA 1638)	INORGANIC CHEMISTRY	22	$7.15	$157.30
I230IR1	CALCIUM, TOTAL REC, ICP (SW846 6010B)	INORGANIC CHEMISTRY	22	$14.00	$308.00
I240FLT	CHLORIDE (EPA 325.2)	INORGANIC CHEMISTRY	22	$20.00	$440.00
I260ZR1	CHROMIUM, TOTAL REC, ICP-MS (EPA 1638)	INORGANIC CHEMISTRY	22	$7.15	$157.30
I305ALT	CONDUCTIVITY PH & ALK (SM2510B/EPA 150.1/SM2320B)	INORGANIC CHEMISTRY	22	$22.00	$484.00
I310ZR1	COPPER, TOTAL REC, ICP-MS (EPA 1638)	INORGANIC CHEMISTRY	22	$7.15	$157.30
I322IR1	DIG, TOTAL REC, ICP, LIQUIDS (SW846 3005A)	INORGANIC CHEMISTRY	22	$21.45	$471.90
I323ZDR	DIG, TOTAL REC, ICP-MS, IN BOTTLE (EPA 1638)	INORGANIC CHEMISTRY	22	$17.88	$393.36
I340IR1	HARDNESS (AS CACO3), TOTAL REC, CALC (SM 2340B)	INORGANIC CHEMISTRY	22	$5.37	$118.14
I362BLD	ION CHROMATOGRAPHY, SULFATE	INORGANIC CHEMISTRY	22	$17.88	$393.36
I370IR1	IRON, TOTAL REC, ICP (SW846 6010B)	INORGANIC CHEMISTRY	22	$14.00	$308.00
I380ZR1	LEAD, TOTAL REC, ICP-MS (EPA 1638)	INORGANIC CHEMISTRY	22	$7.15	$157.30
I390IR1	MAGNESIUM, TOTAL REC, ICP (SW846 6010B)	INORGANIC CHEMISTRY	22	$14.00	$308.00
I400ZR1	MANGANESE, TOTAL REC, ICP-MS (EPA 1638)	INORGANIC CHEMISTRY	22	$7.15	$157.30
I430ZDT	MERCURY, ATOMIC FLUORESCENCE (EPA 1631)	INORGANIC CHEMISTRY	22	$80.00	$1,760.00
I440NLD	AMMONIA (AS N), DISS (EPA 350.1)	INORGANIC CHEMISTRY	22	$25.89	$569.58
I460MLD	NITRATE+NITRITE (AS N), DISS (EPA 353.2)	INORGANIC CHEMISTRY	22	$27.00	$594.00
I470DLT	TOTAL KJELDAHL NITROGEN (AS N) (EPA 351.2)	INORGANIC CHEMISTRY	22	$32.99	$725.78
I480ZR1	NICKEL, TOTAL REC, ICP-MS (EPA 1638)	INORGANIC CHEMISTRY	22	$7.15	$157.30
I495ZBC	CLEAN BOTTLE PREP - MERCURY	INORGANIC CHEMISTRY	22	$25.03	$550.66
I520PLT	TOTAL PHOSPHORUS (AS P) (EPA 365.1)	INORGANIC CHEMISTRY	22	$23.60	$519.20
I550ZR1	SELENIUM, TOTAL REC, ICP-MS (EPA 1638)	INORGANIC CHEMISTRY	22	$7.15	$157.30

Wisconsin Department of Natural Resources
SWIMS Project Summary

Test Code	Description	Test Group	# Planned	Unit Cost	Total Cost
I650JLT	SUSPENDED SOLIDS (EPA METHOD 160.2)	INORGANIC CHEMISTRY	22	$18.80	$413.60
I660NLT	TURBIDITY, NON-SDWA COMPLIANCE (SM 2130B)	INORGANIC CHEMISTRY	22	$10.00	$220.00
I670ZR1	ZINC, TOTAL REC, ICP-MS (EPA 1638)	INORGANIC CHEMISTRY	22	$7.15	$157.30
I720BLT	FIELD TESTS	INORGANIC CHEMISTRY	22	$6.36	$139.92
O1662A2	DISSOLVED ORGANIC CARBON (DOC) IN WATER - SM5310C	ORGANIC CHEMISTRY	22	$49.01	$1,078.22
O1662P2	DISSOLVED ORGANIC CARBON (DOC)-WATER-PREP-SM5310C	ORGANIC CHEMISTRY	22	$19.36	$425.92

Total WSLH Lab Costs: $11,637.34

Total Budget: $22,491.04

Combined Budgets: $15,669.31

Combined WSLH: $17,008.24

Combined Total: $32,677.55

Funding

Organization	Source	Type	Amount	Start Date	End Date