

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: NOR_04_CMP11

Name: Stream C Monitoring at Flambeau Mine Site - NOR 4_11

Type: TMDL/303d Projects

Subtype: Identify Impaired Waters

Status: COMPLETE

Start Date: 7/1/2010

End Date: 6/30/2011

Purpose: Recent monitoring at the Flambeau mine site near Ladysmith (Rusk Co.) has shown that acutely toxic concentrations of copper and zinc are regularly present in the runoff entering Stream C. Stream C is an intermittent tributary of the Flambeau River. Monitoring is proposed to assess the impacts of this toxicity to Stream C and the Flambeau River near the mouth of Stream C. The monitoring would also further identify the source areas of the metals found. Water samples from 10 sites on 3 dates (5 dates for 2 of the sites) would be collected and tested for metals and other parameters (see lab budget). A broad range of metals would be tested on 2 dates and a more limited range of metals would be tested on the other dates. Sediment samples from 8 sites would be tested for metals and other parameters (see lab budget). Macroinvertebrate samples would be collected from 5 sites (2 per site). Fish surveys would be done at 2 sites on 2 dates.

Objective: The site needs to be evaluated for 303d inclusion since water quality standards for copper and zinc are being exceeded.

Comments: Project Category 2: 303(d) Impaired Waters List

Outcome: Performance Measures: These are milestones that will be reported on in the Division Quarterly Report. Please estimate dates in a manner that encourages success.

- 1) Number of sample sites associated with the project. 19
- 2) Number of sampling events associated with project. 9
- 3) Estimated date when sample collection will be complete. June 30, 2011
- 4) Estimated date when all data will be entered into appropriate database. Dec. 31, 2011
- 5) Estimated date when final report will be complete. April 30, 2012

Study Design:

QA Measures:

People

Name	Role	Status	Start Date	End Date	Organization	Comments
KLOSIEWSKI, James M	TEAM_MEMBER	ACTIVE	7/1/2010	6/30/2011	Wisconsin DNR	
Roesler, Craig P	COORDINATOR	COMPLETE	7/1/2010	6/30/2011	Wisconsin DNR	

Project Statuses

Date	Reported By	Status	Comments
3/4/2010	MOLLI MACDONALD	Proposed	
12/7/2010	MOLLI MACDONALD	Progress: 25-50% Complete	Looks to be on track with Craig noting that additional sediment and macroinvertebrate sites to be added later. There is still one scheduled event from October - does this event need to be canceled? Need January status update.

Wisconsin Department of Natural Resources
SWIMS Project Summary

1/31/2011	Craig Roesler	Progress: 25-50% Complete	Scheduled field work has been completed. Additional field work will be done in spring 2011 as planned. Field work completed includes fish surveys on Stream C and a reference stream, one round of runoff event water chemistry samples for about 12 sites, macroinvertebrate samples from 4 sites in the Flambeau R. and 2 stream mouth sites, and 2 sediment samples from the biofilter pond.
6/23/2011	Craig Roesler	Progress: 75-100% Complete	All field work is complete. Awaiting final lab results. Final report will be prepared after all lab results are received. Report expected to be completed in fall 2011. Some unplanned samples were collected so lab budget will be exceeded somewhat.
4/11/2012	Craig Roesler	Progress: 75-100% Complete	Final report has been undergoing a lengthy review by various DNR staff. Report is on the verge of being finalized.
4/13/2012	Craig Roesler	Complete	Report finalized and added to SWIMS

Actions

Action	Detailed Description	Start Date	End Date	Status
Monitor Targeted Area	Recent monitoring at the Flambeau mine site near Ladysmith (Rusk Co.) has shown that acutely toxic concentrations of copper and zinc are regularly present in the runoff entering Stream C. Stream C is an intermittent tributary of the Flambeau River. Monitoring is proposed to assess the impacts of this toxicity to Stream C and the Flambeau River near the mouth of Stream C. The monitoring would also further identify the source areas of the metals found. Water samples from 10 sites on 3 dates (5 dates for 2 of the sites) would be collected and tested for metals and other parameters (see lab budget). A broad range of metals would be tested on 2 dates and a more limited range of metals would be tested on the other dates. Sediment samples from 8 sites would be tested for metals and other parameters (see lab budget). Macroinvertebrate samples would be collected from 5 sites (2 per site). Fish surveys would be done at 2 sites on 2 dates.	7/1/2010	6/30/2011	COMPLETE

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

Wisconsin Department of Natural Resources SWIMS Project Summary

Monitor or Propose 303(d) Listing	Water sampling sites are: 1. biofilter outflow 2. site SW-C8 (existing site) 3. site SW-C3 (existing site) 4. north ditch along Copper Park Lane 5. site SW-C1 (existing site) 6. mouth of east branch of stream C (a runoff reference site) 7. mouth of stream C (no WBIC) 8. Flambeau River above stream C mouth (WBIC 2225000) 9. Flambeau River below stream C 10. mouth of intermittent reference stream in Sec. 19 southwest of mine site (WBIC 5006202) Sediment sampling sites are: 1. upper Stream C sites (3 samples) 2. lower Stream C sites (3 samples) 4. intermittent reference stream in Sec. 19 (2 samples) Macroinvertebrate sites: 1. lower end of Stream C (2) 2. lower end of intermittent reference stream in Sec. 19 (2) 3. Flambeau R. above Stream C (2) 4. Flambeau R. below Stream C (2) 5. Flambeau R. above reference stream mouth (2) 6. Flambeau R. below reference stream mouth (2) Fish survey sites: 1. lower end of stream C (2 dates) 2. lower end of intermittent reference stream in Sec. 19 (2 dates)	7/1/2010	6/30/2011	PROPOSED
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Monitoring Stations

Station ID	Name	Comments
10031964	Biofilter outflow	
10031967	Copper Park Lane north ditch	
10033583	Ditch along STH 27 at Blackberry Road	
10033584	Ditch along east side of STH 27 north of rail spur	
10031969	East branch of Stream C	
FB	Field Blank No Location	
10032093	Flambeau River 10 m DST of Stream C mouth	
10032095	Flambeau River 10 m UST of Stream C mouth	
10032097	Flambeau River 12 m DST of reference stream mouth	
10032098	Flambeau River 16 m DST of reference stream mouth	
10032100	Flambeau River 279 m UST of reference stream mouth	
10032094	Flambeau River 5 m UST of Stream C mouth	
10032092	Flambeau River 6m DST of Stream C mouth	
10031971	Flambeau River above Stream C	

Wisconsin Department of Natural Resources
SWIMS Project Summary

10031972	Flambeau River below Stream C	
10032170	Flambeau mine biofilter pond north site	
10032169	Flambeau mine biofilter pond south site	
10031965	Hwy. 27 west ditch	
10031973	Intermittent Reference stream mouth	
10031988	Intermittent Stream A at Flambeau Mine	
10031987	Intermittent Stream B at Flambeau Mine	
10033789	Meadow Brook at mouth	
10031966	Rail spur drainage	
10032101	Reference stream 33 m US of mouth	
10031986	Small intermittent trib to Stream C at Flambeau Mine	
10033615	Stream C 100 m upstream of horse bridge	
10033614	Stream C 30 m upstream of horse bridge	
10032096	Stream C 70 m upstream of mouth	
10031970	Stream C at mouth	
10031968	Stream C below Copper Park Lane	

Assessment Units			
WBIC	Segment	Local Name	Official Name
1832300	1	Atwood Lake	Atwood Lake
1833000	1	Bass Lake	Bass Lake
1833800	1	Bear Lake	Bear Lake
1834200	1	Beauty Lake	Beauty Lake
1836500	1	Bollman Lake	Bollman Lake
1836700	1	Boot Lake	Boot Lake
1837400	1	Brush Lake	Brush Lake
1837800	1	Bull Moose Lake	Bull Moose Lake
1838400	1	Cadotte Lake	Cadotte Lake
1838500	1	Caley Lake	Caley Lake
1838900	1	Camp Lake	Camp Lake
1841800	1	Coon Lake	Coon Lake
1841900	1	Corbett Lake	Corbett Lake
1843600	1	Dead Goose Lake	Dead Goose Lake
1844800	1	Dickey Lake	Dickey Lake
1849100	1	Fish Lake	Fish Lake
1849900	1	Galky Lake	Galky Lake

Wisconsin Department of Natural Resources SWIMS Project Summary

1853900	1	Hogskin Lake	Hogskin Lake
1854500	1	Horsehoe Lake	Horseshoe Lake
1855300	1	Hungry Lake	Hungry Lake
1858400	1	Koehler Lake	Koehler Lake
1860700	1	Little Bear Lake	Little Bear Lake
1860900	1	Little Bowker Lake (Perdziak)	Little Bowker Lake
1863900	1	Lost Mans Lake	Lost Mans Lake
1864400	1	Macdonald Lake	MacDonald Lake
1868700	1	Muskrat Lake	Muskrat Lake
1869100	2	Cummings Lake (North)	North Cummings Lake
1871000	1	North Lake	North Lake
1872200	1	Park Lake	Park Lake
1874700	1	Pine Lake	Pine Lake
1875900	1	Pulaski Lake	Pulaski Lake
1877400	1	Rock Lake	Rock Lake
1878200	1	Round Lake	Round Lake
1878800	1	Rusk Lake	Rusk Lake
1879000	1	South Cummings Lake	South Cummings Lake
1883500	2	Star Lake	Star Lake
1884300	1	Styles Lake	Styles Lake
1884500	1	Sunfish Lake	Sunfish Lake
1885700	1	Three Lakes No. 1	Three Lakes
1885800	1	Three Lakes # 2	Three Lakes
1885900	1	Three Lakes	Three Lakes
1887300	1	Two Bear Lake	Two Bear Lake
1914200	1	Local Water	Unnamed
1919100	1	Un Lake	Unnamed
1919200	1	Un Lake	Unnamed
1919300	1	Un Lake	Unnamed
1919400	1	Un Lake	Unnamed
1919500	1	Un Lake	Unnamed
1919600	1	Un Lake	Unnamed
1919700	1	Un Lake	Unnamed
1919800	1	Un Lake	Unnamed
1919900	1	Un Lake	Unnamed

Wisconsin Department of Natural Resources
SWIMS Project Summary

1920000	1	Un Lake	Unnamed
1920100	1	Un Lake	Unnamed
1920200	1	Un Lake	Unnamed
1920300	1	Un Lake	Unnamed
1920400	1	Un Lake	Unnamed
1920450	1	Un Lake	Unnamed
1920475	1	Un Lake	Unnamed
1920500	1	Un Lake	Unnamed
1920600	1	Un Lake	Unnamed
1920700	1	Un Lake	Unnamed
1920800	1	Un Lake	Unnamed
1920900	1	Un Lake	Unnamed
1921000	1	Un Lake	Unnamed
1921100	1	Un Lake	Unnamed
1921200	1	Un Lake	Unnamed
1921300	1	Un Lake	Unnamed
1921400	1	Un Lake	Unnamed
1921500	1	Un Lake	Unnamed
1921600	1	Un Lake	Unnamed
1921700	1	Un Lake	Unnamed
1921800	1	Un Lake	Unnamed
1921900	1	Unnamed (T33n R0	Unnamed
1922000	1	Un Lake	Unnamed
1922100	1	Un Lake	Unnamed
1922150	1	Un Lake	Unnamed
1922200	1	Un Lake	Unnamed
1922300	1	Un Lake	Unnamed
1922400	1	Un Lake	Unnamed
1922500	1	Un Lake	Unnamed
1922600	1	Un Lake	Unnamed
1922700	1	Un Lake	Unnamed
1922800	1	Un Lake	Unnamed
1922900	1	Un Lake	Unnamed
1923000	1	Un Lake	Unnamed
1923100	1	Un Lake	Unnamed

Wisconsin Department of Natural Resources
SWIMS Project Summary

1923150	1	Un Lake	Unnamed
1923200	1	Unnamed Lake (T33n R09w S108-02)	Unnamed
1923250	1	Un Lake	Unnamed
1923300	1	Un Lake	Unnamed
1923400	1	Un Lake	Unnamed
1923500	1	Un Lake	Unnamed
1923600	1	Un Lake	Unnamed
1923700	1	Un Lake	Unnamed
1923800	1	Un Lake	Unnamed
1923900	1	Un Lake	Unnamed
1924000	1	Un Lake	Unnamed
1924100	1	Un Lake	Unnamed
1924200	1	Un Lake	Unnamed
1924300	1	Un Lake	Unnamed
1924400	1	Un Lake	Unnamed
1924500	1	Un Lake	Unnamed
1924600	1	Un Lake	Unnamed
1924700	1	Un Lake	Unnamed
1924800	1	Un Lake	Unnamed
1924900	1	Un Lake	Unnamed
1925000	1	Un Lake	Unnamed
1925100	1	Un Lake	Unnamed
1925200	1	Un Lake	Unnamed
1925300	1	Un Lake	Unnamed
1925400	1	Un Lake	Unnamed
1925500	1	Un Lake	Unnamed
1925600	1	Un Lake	Unnamed
1925700	1	Un Lake	Unnamed
1925800	1	Un Lake	Unnamed
1928000	1	Un Lake	Unnamed
1928100	1	Un Lake	Unnamed
1928200	1	Un Lake	Unnamed
1928400	1	Un Lake	Unnamed
1928500	1	Un Lake	Unnamed
1928600	1	Un Lake	Unnamed

Wisconsin Department of Natural Resources
SWIMS Project Summary

1928700	1	Un Lake	Unnamed
1928800	1	Un Lake	Unnamed
1928900	1	Un Lake	Unnamed
1929000	1	Un Lake	Unnamed
1929100	1	Unnamed Lake (T34n R09w S19-04)	Unnamed
1929200	1	Un Lake	Unnamed
1929300	1	Un Lake	Unnamed
1929350	1	Un Lake	Unnamed
1929400	1	Un Lake	Unnamed
1929500	1	Un Lake	Unnamed
1929600	1	Un Lake	Unnamed
1929700	1	Un Lake	Unnamed
1929800	1	Un Lake	Unnamed
1930000	1	Un Lake	Unnamed
1930100	1	Un Lake	Unnamed
1932400	1	Un Lake	Unnamed
1932500	1	Un Lake	Unnamed
1932600	1	Un Lake	Unnamed
1932700	1	Un Lake	Unnamed
1932800	1	Un Lake	Unnamed
1932900	1	Un Lake	Unnamed
1933000	1	Un Lake	Unnamed
1933050	1	Un Lake	Unnamed
1933100	1	Un Lake	Unnamed
1933200	1	Un Lake	Unnamed
1933300	1	Un Lake	Unnamed
1933400	1	Un Lake	Unnamed
1933500	1	Un Lake	Unnamed
1933600	1	Un Lake	Unnamed
1933605	1	Un Lake	Unnamed
1933700	1	Un Lake	Unnamed
1933800	1	Un Lake	Unnamed
1933900	1	Un Lake	Unnamed
1934000	1	Un Lake	Unnamed
1934100	1	Un Lake	Unnamed

Wisconsin Department of Natural Resources SWIMS Project Summary

1934200	1	Un Lake	Unnamed
1934300	1	Local Water	Unnamed
1934400	1	Un Lake	Unnamed
1934500	1	Un Lake	Unnamed
1934600	1	Un Lake	Unnamed
1934700	1	Un Lake	Unnamed
1934800	1	Un Lake	Unnamed
1934900	1	Unnamed Lake (T35n R09w S28-16)	Unnamed
1937990	1	Un Lake	Unnamed
1938000	1	Un Lake	Unnamed
1938100	1	Un Lake	Unnamed
1938200	1	Un Lake	Unnamed
1938300	1	Un Lake	Unnamed
1938400	1	Un Lake	Unnamed
1938500	1	Unnamed Lakes (T36n R09w S29-13b)	Unnamed
1938510	1	Un Lake	Unnamed
1938600	1	Unnamed Lake (T36n R09w S32-05)	Unnamed
1938700	1	Un Lake	Unnamed
1938800	1	Un Lake	Unnamed
1938900	1	Un Lake	Unnamed
2045900	1	Whiplash Lake	Whiplash Lake
2050000	9	Chippewa River	Chippewa River
2050000	11	Chippewa River	Chippewa River
2089400	2	Tenmile Creek	Tenmile Creek
2089600	4	Moose Ear Creek	Moose Ear Creek
2090700	1	Big Bowker Lake (Parker)	Big Bowker Lake
2090900	1	Bass Lake(T34N R9W S16)	Bass Lake
2091000	1	Local Water	Unnamed
2091100	1	Pickerl Lake 1	Pickerel Lakes
2091200	1	Pickerl Lake 2	Pickerel Lakes
2091300	1	Pickerel 3	Pickerel Lakes
2092000	1	Twin Lake East	Twin Lake, East
2092900	1	Pine Lake	Pine Lake
2093100	1	Unnamed Lake (T33n R09w S30-03)	Unnamed
2093300	1	Un Lake	Unnamed

7/25/2024

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

2093500	1	Un Spring	Un Spring
2093700	1	Un Spring	Un Spring
2095000	2	Rock Creek	Rock Creek
2095200	1	Unnamed 3-6 Creek	Unnamed
2103300	2	Spring Creek	Spring Creek
2109700	1	Hemlock Creek	Hemlock Creek
2109700	2	Hemlock Creek	Hemlock Creek
2109700	3	Hemlock Creek	Hemlock Creek
2109700	4	Hemlock Creek	Hemlock Creek
2109700	5	Hemlock Creek	Hemlock Creek
2110900	1	Murphy Flowage	Murphy Flowage
2111000	1	Louler Creek	Louler Creek
2111100	1	Unnamed Creek	Unnamed
2111300	1	South Fork Hemlock Creek	South Fork Hemlock Creek
2111500	1	Lost Lake	Lost Lake
2111700	1	Bucks Lake	Bucks Lake
2111800	1	Pigeon Creek	Pigeon Creek
2111800	2	Pigeon Creek	Pigeon Creek
2112200	2	Sucker Creek	Sucker Creek
2184900	1	Holcombe Flowage North	Holcombe Flowage
2187000	1	Jump River (Lower Main Stem)	Jump River
2187000	2	Jump River (Main Stem)	Jump River
2187400	1	Little Jump River	Little Jump River
2187600	1	Alder Creek	Alder Creek
2187800	1	Local Water	Unnamed
2187900	1	Crazy Horse Creek	Crazy Horse Creek
2188200	1	Unnamed Creek	Unnamed
2188300	1	Local Water	Unnamed
2188600	1	Shoulder Creek	Shoulder Creek
2217100	1	Main Creek	Main Creek
2217300	1	Local Water	Unnamed
2217500	1	Skunk Creek	Skunk Creek
2218000	1	South Fork Main Creek	South Fork Main Creek
2218000	2	South Fork Main Creek	South Fork Main Creek
2218000	3	South Fork Main Creek	South Fork Main Creek

7/25/2024

Wisconsin Department of Natural Resources SWIMS Project Summary

2218000	4	South Fork Main Creek	South Fork Main Creek
2218100	1	Bear Creek	Bear Creek
2218300	1	Morgan Creek	Morgan Creek
2218500	1	Spring Creek	Spring Creek
2218800	1	Hawkins Millpond	Hawkins Millpond
2218900	1	Stony Creek	Stony Creek
2219500	1	Local Water	Unnamed
2219700	1	Middle Fork Main Creek	Middle Fk Main Creek
2219700	2	Middle Fork Main Creek	Middle Fk Main Creek
2219900	1	Lake La Verne	Lake La Verne
2220100	1	Un Lake	Unnamed
2220200	1	Shamrock Creek	Shamrock Creek
2220500	1	Shamrock Lake	Shamrock Lake
2220600	1	Un Lake	Unnamed
2220700	1	North Fork Main Creek	North Fork Main Creek
2221300	1	Un Lake	Unnamed
2221700	1	Deer Tail Creek	Deer Tail Creek
2222700	1	Un Lake	Unnamed
2222800	1	Un Lake	Unnamed
2223400	1	TRIBUTARY TO DEERTAIL CREEK	Unnamed
2223400	2	WETLAND TRIBUTARY TO DEERTAIL CREEK	Unnamed
2224400	1	Mcgee Lake	McGee Lake
2225000	3	Flambeau Flowage	Flambeau River
2225000	4	Flambeau River	Flambeau River
2225400	1	Unnamed Lake	Unnamed
2225500	1	Washington Creek	Washington Creek
2225700	1	Washington Creek Flowage	Washington Creek Flowage
2226100	1	Un Lake	Unnamed
2226200	1	Un Lake	Unnamed
2226850	1	Un Lake	Unnamed
2226900	1	Un Lake	Unnamed
2227000	1	Long Lake	Long Lake
2227500	1	Thornapple Flowage	Thornapple Flowage
2227900	1	Meadow Creek	Meadow Brook
2228000	1	Local Water	Unnamed

7/25/2024

Wisconsin Department of Natural Resources SWIMS Project Summary

2228100	1	Dump Lake	Dump Lake
2228200	1	Bruno L. Ditch	Bruno Lake Ditch
2228300	1	Bruno Lake	Bruno Lake
2228700	1	Ladysmith Flowage	Ladysmith Flowage
2229200	1	Dairyland Reservoir (Flambeau)	Dairyland Reservoir (Flambeau)
2229400	1	Crooked Creek	Crooked Creek
2229600	1	Josie Creek	Josie Creek
2230100	1	Big Falls Flowage	Big Falls Flowage
2230400	1	Creek S17-19 (Big Falls Flowage Trib)	Unnamed
2230700	1	Creek S4 (Flambeau River Trib)	Unnamed
2230900	1	George Ladd Creek	George Ladd Creek
2231200	1	Lower S. Fork Flambeau River	South Fork Flambeau River
2231400	1	Hackett Creek	Hackett Creek
2231700	1	Skinner Creek	Skinner Creek
2232000	1	North Fork Skinner Creek	North Fork Skinner Creek
2232000	2	North Fork Skinner Creek	North Fork Skinner Creek
2232200	1	Unnamed Lake	Unnamed
2232400	1	Skinner Creek Flowage	Skinner Creek Flowage*
2233000	1	Un Lake	Unnamed
2233200	1	Unnamed Lake	Unnamed T36n R03w S24-02
2344100	1	Mud Creek	Mud Creek
2349100	1	Un Lake	Unnamed
2349200	1	Marsh Lake	Marsh Lake
2349400	2	Rice Creek	Rice Creek
2349600	1	Fireside Lakes	Fireside Lakes
2349700	1	Fireside Lakes	Fireside Lakes
2349800	1	Swift Creek	Swift Creek
2350000	1	School Lake	School Lake
2350200	1	Island Lake	Island Lake
2350400	1	Mccann Lake	McCann Lake
2350500	1	Chain Lake	Chain Lake
2350600	1	Clear Lake	Clear Lake
2353500	1	Goose Lake	Goose Lake
2353600	1	Sand Lake	Sand Lake
2353800	1	Un Lake	Unnamed

7/25/2024

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

2354000	1	Potato Creek	Potato Creek
2354200	1	Un Lake	Unnamed
2354600	1	Mathy Lake	Mathy Lake
2355300	1	Potato Lake	Potato Lake
2355400	1	Mcdermott Creek	McDermott Creek
2355600	1	Un Lake	Unnamed
2356000	1	Sugar Lake	Sugar Lake
2356200	1	Lake Four	Lake Four
2356300	1	Lake Three	Lake Three
2356400	1	Lake Two	Lake Two
2356500	1	Lake One	Lake One
2356600	1	Soft Maple Creek	Soft Maple Creek
2356600	2	Soft Maple Creek	Soft Maple Creek
2356600	3	Soft Maple Creek	Soft Maple Creek
2356600	4	Soft Maple Creek	Soft Maple Creek
2356700	1	Local Water	Unnamed
2356800	1	Bog Lake	Bog Lake
2356900	1	Local Water	Unnamed
2357100	1	Un Lake	Unnamed
2357200	1	Local Water	Unnamed
2357300	1	Little Soft Maple Creek	Little Soft Maple Creek
2357400	1	Local Water	Unnamed
2357500	1	Local Water	Unnamed
2357600	1	Local Water	Unnamed
2357700	1	Trib to Soft Maple Creek	Unnamed
2357700	2	Local Water	Unnamed
2357700	3	Tributary to Soft Maple Creek	Unnamed
2357800	1	Local Water	Unnamed
2357900	1	Cranberry Creek	Cranberry Creek
2358000	1	Local Water	Unnamed
2358100	1	Local Water	Unnamed
2358200	1	Un Spring	Un Spring
2358300	1	Un Lake	Unnamed
2358400	1	Cranberry Lake	Cranberry Lake
2358500	1	Local Water	Unnamed

7/25/2024

Wisconsin Department of Natural Resources

SWIMS Project Summary

2358600	1	Un Lake	Unnamed
2358700	1	Local Water	Unnamed
2358900	1	Unnamed Lake	Unnamed
2359000	1	Un Lake	Unnamed
2359100	1	Unnamed	Unnamed
2359200	1	Saxton Lake	Saxton Lake
2359300	1	Buff Creek	Buff Creek
2359500	1	Bass Lake	Bass Lake
2359600	1	Unnamed Stream	Unnamed
2359600	2	Unnamed Stream	Unnamed
2359700	1	Amacoy Lake	Amacoy Lake
2359800	1	Unnamed Stream	Unnamed
2359900	1	Un Lake	Unnamed
2360000	1	Un Lake	Unnamed
2360100	1	Un Lake	Unnamed
2360300	1	Unnamed Lake	Unnamed T34n R08w S13-05
2360400	1	Unnamed Stream	Unnamed
2360500	1	Un Lake	Unnamed
2360700	1	Bruce Lake	Bruce Lake
2360800	1	Thornapple River	Thornapple River
2360800	2	Thornapple River	Thornapple River
2360900	1	Twin Creek	Twin Creek
2361000	1	South Branch Twin Creek	South Branch Twin Creek
2361100	2	Unnamed	Unnamed
2361200	1	Little Thornapple River	Little Thornapple River
2361400	1	Bear Creek	Bear Creek
2361500	1	Un Lake	Unnamed
2361900	1	Lea Flowage (Lea Lake)	Lea Flowage (Lea Lake)
2362400	1	Un Lake	Unnamed
2362500	1	Flunkers Creek	Flunkers Creek
2362600	1	Un Spring	Un Spring
2363100	1	Skunk Creek	Skunk Creek
2363300	1	Un Lake	Unnamed
2363400	1	Creek 30-14 T36N R5W (Thornapple River trib)	Unnamed
2363700	1	Spring Creek	Spring Creek

7/25/2024

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

2363800	1	Stony Creek	Stony Creek
2366600	1	Devils Creek	Devils Creek
2366600	2	Devils Creek	Devils Creek
2366600	3	Devils Creek	Devils Creek
2366700	1	Alder Creek	Alder Creek
2366700	2	Alder Creek	Alder Creek
2366700	3	Alder Creek	Alder Creek
2366800	1	Local Water	Unnamed
2366900	1	Local Water	Unnamed
2367000	1	Local Water	Unnamed
2367100	1	Local Water	Unnamed
2367200	1	Hay Creek	Hay Creek
2367200	2	Hay Creek	Hay Creek
2367300	1	Local Water	Unnamed
2367400	1	Local Water	Unnamed
2367500	1	Local Water	Unnamed
2367600	1	Local Water	Unnamed
2367700	1	Local Water	Unnamed
2367800	1	Local Water	Unnamed
2367900	1	Local Water	Unnamed
2368200	1	Local Water	Unnamed
2368300	1	Johns Creek	Johns Creek
2368400	1	Local Water	Unnamed
2368500	1	Perch Lake, Bass	Perch Lake
2368700	1	Audie Lake	Audie Lake
2368800	1	Local Water	Unnamed
2368900	1	Local Water	Unnamed
2369000	1	Un Lake	Unnamed
2369100	1	Local Water	Unnamed
2369200	1	Local Water	Unnamed
2369300	1	Un Lake	Unnamed
2369400	1	Un Lake	Unnamed
2369400	2	Un Lake	Unnamed
2369500	1	Local Water	Unnamed
2369600	1	Becky Creek	Becky Creek

7/25/2024

Wisconsin Department of Natural Resources SWIMS Project Summary

2369600	2	Becky Creek	Becky Creek
2369700	1	Local Water	Unnamed
2370100	1	Clear Creek	Clear Creek
2370300	1	Unnamed Stream	Unnamed
2370400	1	Big Wiergor Creek	Big Weirgor Creek
2370400	2	Big Weirgor Creek	Big Weirgor Creek
2370500	1	Little Weirgor Creek	Little Weirgor Creek
2370600	1	Unnamed Stream	Unnamed
2370700	1	Bass Lake	Bass Lake
2370800	1	Creek S33-34 (Lake Weirgor Creek trib)	Unnamed
2373800	1	Buff Creek	Buff Creek
2374000	1	Un Lake	Unnamed
2374100	1	Spring Creek (Big Weirgor Creek Trib S4-S15 T36N R8W)	Spring Creek
2374200	1	Deer Creek	Deer Creek
2374200	2	Deer Creek	Deer Creek
2374850	1	Creek S27-21(Big Weirgor Creek Trib S27-S21 T36N R8W)	Unnamed
2374900	1	Unnamed	Unnamed
2375100	1	Hill Trail Flowage	Hill Trail Flowage
2375200	1	Unnamed Stream	Unnamed
2375300	1	Star Lake	Star Lake
2375400	1	Un Lake	Unnamed
2375500	1	Un Lake	Unnamed
2375600	1	Unnamed Stream	Unnamed
2375700	1	Unnamed Stream	Unnamed
2375900	1	Nail Creek	Nail Creek
2376000	1	Unnamed Stream	Unnamed
2376100	1	Unnamed Stream	Unnamed
2376200	1	Un Lake	Unnamed
2376300	1	Unnamed Stream	Unnamed
2376400	1	Un Lake	Unnamed
2376600	1	Unnamed Stream	Unnamed
2377700	1	Un Lake	Unnamed
2377800	1	White Birch Creek	White Birch Creek
3000239	1	Local Water	Unnamed

7/25/2024

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

3000625	1	Port Arthur Flowage	Port Arthur Flowage
4000013	1	Stream C, trib to Flambeau River	Unnamed
4000013	2	Stream C, trib to Flambeau River	Unnamed
5004910	1	Unnamed Stream	Unnamed
5004981	1	Unnamed Stream	Unnamed
5004989	1	Unnamed Stream	Unnamed
5005077	1	Unnamed Stream	Unnamed
5005083	1	Local Water	Unnamed
5005135	1	Unnamed	Unnamed
5005250	1	Unnamed Stream	Unnamed
5005252	1	Unnamed Stream	Unnamed
5005264	1	Unnamed Stream	Unnamed
5005318	1	Unnamed Stream	Unnamed
5005422	1	Local Water	Unnamed
5005439	1	Local Water	Unnamed
5005447	1	Local Water	Unnamed
5005455	1	Local Water	Unnamed
5005480	1	Local Water	Unnamed
5005500	1	Local Water	Unnamed
5005521	1	Local Water	Unnamed
5005534	1	Local Water	Unnamed
5005571	1	Local Water	Unnamed
5005592	1	Local Water	Unnamed
5005593	1	Local Water	Unnamed
5005600	1	Local Water	Unnamed
5005603	1	Local Water	Unnamed
5005628	1	Local Water	Unnamed
5005635	1	Local Water	Unnamed
5005658	1	Local Water	Unnamed
5005662	1	Local Water	Unnamed
5005688	1	Local Water	Unnamed
5005700	1	Local Water	Unnamed
5005749	1	Local Water	Unnamed
5005757	1	Local Water	Unnamed
5005762	1	Local Water	Unnamed

7/25/2024

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

5005766	1	Local Water	Unnamed
5005769	1	Local Water	Unnamed
5005770	1	Local Water	Unnamed
5005771	1	Local Water	Unnamed
5005799	1	Local Water	Unnamed
5005821	1	Local Water	Unnamed
5005827	1	Local Water	Unnamed
5005831	1	Local Water	Unnamed
5005839	1	Local Water	Unnamed
5005848	1	Local Water	Unnamed
5005853	1	Local Water	Unnamed
5005863	1	Local Water	Unnamed
5005885	1	Local Water	Unnamed
5005896	1	Unnamed Stream	Unnamed
5005898	1	Unnamed Stream	Unnamed
5005901	1	Unnamed Stream	Unnamed
5005903	1	Unnamed Stream	Unnamed
5005909	1	Local Water	Unnamed
5005927	1	Unnamed Stream	Unnamed
5005928	1	Local Water	Unnamed
5005946	1	Local Water	Unnamed
5005950	1	Local Water	Unnamed
5005965	1	Local Water	Unnamed
5005970	1	Local Water	Unnamed
5005971	1	Unnamed	Unnamed
5005980	1	Unnamed Stream	Unnamed
5006006	1	Local Water	Unnamed
5006014	1	Unnamed Stream	Unnamed
5006017	1	Unnamed Stream	Unnamed
5006023	1	Local Water	Unnamed
5006029	1	Local Water	Unnamed
5006046	1	Unnamed Stream	Unnamed
5006077	1	Local Water	Unnamed
5006136	1	Local Water	Unnamed
5006202	1	Unnamed Creek	Unnamed

7/25/2024

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

5006268	1	Local Water	Unnamed
5006273	1	Local Water	Unnamed
5006293	1	Local Water	Unnamed
5006324	1	Local Water	Unnamed
5006380	1	Local Water	Unnamed
5006385	1	Local Water	Unnamed
5006388	1	Unnamed	Unnamed
5006426	1	Local Water	Unnamed
5006501	1	Unnamed Stream	Unnamed
5006561	1	Unnamed Stream	Unnamed
5006603	1	Unnamed Stream	Unnamed
5006626	1	Unnamed Stream	Unnamed
5006632	1	Unnamed Stream	Unnamed
5517456	1	Local Water	Unnamed
5517480	1	Local Water	Unnamed
5517482	1	Local Water	Unnamed
5517830	1	Local Water	Unnamed
5518136	1	Local Water	Unnamed
5518146	1	Local Water	Unnamed
5518152	1	Local Water	Unnamed
5518573	1	Local Water	Unnamed
5518611	1	Local Water	Unnamed
5519201	1	Local Water	Unnamed
5519297	1	Local Water	Unnamed
5519309	1	Unnamed Lake	Unnamed
5519331	1	Unnamed Lake	Unnamed
5519453	1	Local Water	Unnamed
5519594	1	Local Water	Unnamed
5519650	1	Unnamed Lake	Unnamed
5519651	1	Local Water	Unnamed
5519785	1	Local Water	Unnamed
5519885	1	Local Water	Unnamed
5520379	1	Local Water	Unnamed
5520421	1	Local Water	Unnamed
5520603	1	Local Water	Unnamed

7/25/2024

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

5520910	1	Local Water	Unnamed
5520966	1	Unnamed Lake	Unnamed
5521154	1	Local Water	Unnamed
5521307	1	Local Water	Unnamed
5521350	1	Local Water	Unnamed
5521453	1	Unnamed	Unnamed
5521498	1	Local Water	Unnamed
5521568	1	Local Water	Unnamed
5522185	1	Local Water	Unnamed
5522258	1	Local Water	Unnamed
5522348	1	Local Water	Unnamed
5522558	1	Local Water	Unnamed
5522849	1	Local Water	Unnamed
5522868	1	Local Water	Unnamed
5522944	1	Local Water	Unnamed
5522948	1	Local Water	Unnamed
5523358	1	Local Water	Unnamed
5523360	1	Local Water	Unnamed
5523607	1	Local Water	Unnamed
5523615	1	Local Water	Unnamed
5523783	1	Local Water	Unnamed
5523851	1	Local Water	Unnamed
5523909	1	Local Water	Unnamed
5523944	1	Local Water	Unnamed
5523952	1	Local Water	Unnamed
5524019	1	Local Water	Unnamed
5524021	1	Local Water	Unnamed
5524057	1	Local Water	Unnamed
5524063	1	Local Water	Unnamed
5524144	1	Local Water	Unnamed
5524217	1	Local Water	Unnamed
5524275	1	Local Water	Unnamed
5524303	1	Local Water	Unnamed
5524455	1	Local Water	Unnamed
5524537	1	Local Water	Unnamed

Wisconsin Department of Natural Resources
SWIMS Project Summary

5524564	1	Local Water	Unnamed
5524574	1	Local Water	Unnamed
5524691	1	Local Water	Unnamed
5524770	1	Local Water	Unnamed
5524873	1	Local Water	Unnamed
5524922	1	Local Water	Unnamed
5524949	1	Local Water	Unnamed
5524967	1	Local Water	Unnamed
5524969	1	Local Water	Unnamed
5525135	1	Local Water	Unnamed
5525219	1	Local Water	Unnamed
5525376	1	Local Water	Unnamed
5525378	1	Local Water	Unnamed
5525444	1	Local Water	Unnamed
5525639	1	Local Water	Unnamed
5525894	1	Local Water	Unnamed
5525896	1	Local Water	Unnamed
5583659	1	Local Water	Unnamed
5583795	1	Local Water	Unnamed
5583879	1	Local Water	Unnamed
5583881	1	Local Water	Unnamed
5583891	1	Local Water	Unnamed
5583919	1	Local Water	Unnamed
5583925	1	Local Water	Unnamed
5583926	1	Local Water	Unnamed
5583929	1	Local Water	Unnamed
5583943	1	Local Water	Unnamed
5583982	1	Local Water	Unnamed
5583996	1	Local Water	Unnamed

Lab Account Codes

Account Code	Description	Start Date	End Date
WT117	STREAMS/RIVERS SPECIAL PROJECTS	6/3/2010	6/30/2011

Forms

Form Code	Form Name
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Wisconsin Department of Natural Resources
SWIMS Project Summary

Methods				
Method Code		Method Description		
Fieldwork Events				
Start Date	Status	Field ID	Station ID	Station Name
10/13/2010	COMPLETE	20101013-55-01	10032092	Flambeau River 6m DST of Stream C mouth
10/13/2010	COMPLETE	20101013-55-02	10032093	Flambeau River 10 m DST of Stream C mouth
10/13/2010	COMPLETE	20101013-55-03	10032094	Flambeau River 5 m UST of Stream C mouth
10/13/2010	COMPLETE	20101013-55-04	10032095	Flambeau River 10 m UST of Stream C mouth
10/13/2010	COMPLETE	20101013-55-05	10032096	Stream C 70 m upstream of mouth
10/13/2010	COMPLETE	20101013-55-06	10032097	Flambeau River 12 m DST of reference stream mouth
10/13/2010	COMPLETE	20101013-55-07	10032098	Flambeau River 16 m DST of reference stream mouth
10/13/2010	COMPLETE	20101013-55-08	10032100	Flambeau River 279 m UST of reference stream mouth
10/13/2010	COMPLETE	20101013-55-09	10032100	Flambeau River 279 m UST of reference stream mouth
10/13/2010	COMPLETE	20101013-55-10	10032101	Reference stream 33 m US of mouth
10/26/2010 10:00	COMPLETE	BO-1	10031964	Biofilter outflow
10/26/2010 10:20	COMPLETE	CP-4	10031967	Copper Park Lane north ditch
10/26/2010 10:40	COMPLETE	CI-5	10031968	Stream C below Copper Park Lane
10/26/2010 11:00	COMPLETE	EB-6	10031969	East branch of Stream C
10/26/2010 11:20	COMPLETE	SC-7	10031970	Stream C at mouth
10/26/2010 11:40	COMPLETE	FA-8	10031971	Flambeau River above Stream C
10/26/2010 12:00	COMPLETE	FB-9	10031972	Flambeau River below Stream C
10/26/2010 13:00	COMPLETE	MC3-3	10031966	Rail spur drainage
10/26/2010 13:30	COMPLETE	C8-2	10031965	Hwy. 27 west ditch
10/26/2010 14:00	COMPLETE	RS-10	10031973	Intermittent Reference stream mouth
10/28/2010 10:30	COMPLETE	SEB-11	10031986	Small intermittent trib to Stream C at Flambeau Mine
10/28/2010 11:15	COMPLETE	SB-12	10031987	Intermittent Stream B at Flambeau Mine
10/28/2010 11:45	COMPLETE	SA-13	10031988	Intermittent Stream A at Flambeau Mine
12/22/2010	COMPLETE	N-2	10032170	Flambeau mine biofilter pond north site
12/22/2010	COMPLETE	S-1	10032169	Flambeau mine biofilter pond south site
4/12/2011 11:30	COMPLETE	SEB-11	10031986	Small intermittent trib to Stream C at Flambeau Mine
4/27/2011 4:20	COMPLETE	SB-12	10031987	Intermittent Stream B at Flambeau Mine
4/27/2011 4:40	COMPLETE	SA-17	10031988	Intermittent Stream A at Flambeau Mine
4/27/2011 11:50	COMPLETE	BL-0	FB	Field Blank No Location
4/27/2011 12:00	COMPLETE	BO-1	10031964	Biofilter outflow
4/27/2011 12:30	COMPLETE	C1-5	10031968	Stream C below Copper Park Lane

7/25/2024

Wisconsin Department of Natural Resources SWIMS Project Summary

4/27/2011 12:40	COMPLETE	CP-4	10031967	Copper Park Lane north ditch
4/27/2011 12:50	COMPLETE	SEB-1	10031986	Small intermittent trib to Stream C at Flambeau Mine
4/27/2011 13:00	COMPLETE	EB-6	10031969	East branch of Stream C
4/27/2011 13:10	COMPLETE	SC-7	10031970	Stream C at mouth
4/27/2011 13:10	COMPLETE	SC-7-DUP	10031970	Stream C at mouth
4/27/2011 13:20	COMPLETE	FB-9	10031972	Flambeau River below Stream C
4/27/2011 13:40	COMPLETE	FA-8	10031971	Flambeau River above Stream C
4/27/2011 14:30	COMPLETE	MC3-3	10031966	Rail spur drainage
4/27/2011 14:40	COMPLETE	ED-14	10033584	Ditch along east side of STH 27 north of rail spur
4/27/2011 14:50	COMPLETE	C8-2	10031965	Hwy. 27 west ditch
4/27/2011 15:00	COMPLETE	ND-15	10033583	Ditch along STH 27 at Blackberry Road
4/27/2011 15:30	COMPLETE	RS-10	10031973	Intermittent Reference stream mouth
5/11/2011	COMPLETE	20110511-55-01	10031970	Stream C at mouth
5/11/2011	COMPLETE	20110511-55-02	10031973	Intermittent Reference stream mouth
5/11/2011 10:00	COMPLETE	SC-7	10031970	Stream C at mouth
5/11/2011 10:10	COMPLETE	CSED-MID_2	10031970	Stream C at mouth
5/11/2011 10:20	COMPLETE	CSED-MAX_2	10031970	Stream C at mouth
5/11/2011 11:00	COMPLETE	CSED-30_2	10033614	Stream C 30 m upstream of horse bridge
5/11/2011 11:15	COMPLETE	CSED-100_2	10033615	Stream C 100 m upstream of horse bridge
5/11/2011 12:00	COMPLETE	RS-10	10031973	Intermittent Reference stream mouth
5/11/2011 12:15	COMPLETE	RSED-MID_2	10031973	Intermittent Reference stream mouth
5/11/2011 12:20	COMPLETE	RSED-MAX_2	10031973	Intermittent Reference stream mouth
5/18/2011 11:30	COMPLETE	SC-7	10031970	Stream C at mouth
5/18/2011 14:00	COMPLETE	RS-10	10031973	Intermittent Reference stream mouth
6/19/2011 11:00	COMPLETE	ND-15	10033583	Ditch along STH 27 at Blackberry Road
6/19/2011 11:15	COMPLETE	SA-13	10031988	Intermittent Stream A at Flambeau Mine
6/19/2011 11:20	COMPLETE	MC3-3	10031966	Rail spur drainage
6/19/2011 11:25	COMPLETE	ED-14	10033584	Ditch along east side of STH 27 north of rail spur
6/19/2011 11:30	COMPLETE	C8-2	10031965	Hwy. 27 west ditch
6/19/2011 11:40	COMPLETE	CP-4	10031967	Copper Park Lane north ditch
6/19/2011 11:50	COMPLETE	BO-1	10031964	Biofilter outflow
6/19/2011 12:00	COMPLETE	C1-5	10031968	Stream C below Copper Park Lane
6/19/2011 12:00	COMPLETE	C1-5	10031968	Stream C below Copper Park Lane
6/19/2011 12:05	COMPLETE	SEB-11	10031986	Small intermittent trib to Stream C at Flambeau Mine
6/19/2011 12:15	COMPLETE	SC-7	10031970	Stream C at mouth

Wisconsin Department of Natural Resources
SWIMS Project Summary

6/19/2011 12:20	COMPLETE	FA-8	10031971	Flambeau River above Stream C
6/19/2011 12:30	COMPLETE	MB-16	10033789	Meadow Brook at mouth
6/19/2011 13:00	COMPLETE	SB-12	10031987	Intermittent Stream B at Flambeau Mine
6/19/2011 14:00	COMPLETE	RS-10	10031973	Intermittent Reference stream mouth
6/19/2011 14:00	COMPLETE	RS-10	10031973	Intermittent Reference stream mouth

Documents

Title	Description	Author	Published	Comments
Surface Water Quality Assessment of the Flambeau Mine Site	Copper and Zinc assessment of Stream C and surrounding waters by the Flambeau Mine Site.	Craig Roesler	4/12/2012	

Budget

Budget Description: Budget for Stream C Monitoring at Flambeau Mine Site - NOR 4_11 **Start Date:** 7/1/2010 **End Date:** 6/30/2011

Code	Description	Quantity	Units	Unit Cost	Total Cost	Comments
FTE	FTE Hours	164	Hours	\$0.00	\$0.00	Craig Roesler, Jim Klosiewski
LTE SAL	LTE Salary		Hours	\$13.00	\$0.00	
LTE FR	LTE Fringe				\$0.00	
LTE IND	LTE Indirect				\$0.00	
LTE TOT	LTE Total Cost				\$0.00	
SUPPLY	Supplies	7		\$25.00	\$175.00	shipping samples to lab
MILEAGE	Mileage	1800	Miles	\$0.37	\$666.00	
MEAL	Meals	13	Meals	\$9.00	\$117.00	
LODGE	Lodging				\$0.00	
TRAVEL	Travel Total				\$783.00	
BUG	Bug Contracts	12		\$148.00	\$1,776.00	
OTHER	Other Contracts				\$0.00	
EQUIP	Equipment				\$0.00	
USGS	USGS Costs				\$0.00	
TOTAL	Total Cost (excludes SLOH)				\$2,734.00	

Test Code	Description	Test Group	# Planned	Unit Cost	Total Cost
I150IR1	ARSENIC, TOTAL REC, ICP (SW846 6010B)	INORGANIC CHEMISTRY	20	\$13.66	\$273.20
I150IS1	ARSENIC, ICP, DRY WT (SW846 6010B)	INORGANIC CHEMISTRY	8	\$21.45	\$171.60
I220IR1	CADMIUM, TOTAL REC, ICP (SW846 6010B)	INORGANIC CHEMISTRY	20	\$13.66	\$273.20
I220IS1	CADMIUM, ICP, DRY WT (SW846 6010B)	INORGANIC CHEMISTRY	8	\$21.45	\$171.60
I230IR1	CALCIUM, TOTAL REC, ICP (SW846 6010B)	INORGANIC CHEMISTRY	34	\$13.66	\$464.44
I260IR1	CHROMIUM, TOTAL REC, ICP (SW846 6010B)	INORGANIC CHEMISTRY	20	\$13.66	\$273.20

Wisconsin Department of Natural Resources SWIMS Project Summary

Test Code	Description	Test Group	# Planned	Unit Cost	Total Cost
I260IS1	CHROMIUM, ICP, DRY WT (SW846 6010B)	INORGANIC CHEMISTRY	8	\$21.45	\$171.60
I310IR1	COPPER, TOTAL REC, ICP (SW846 6010B)	INORGANIC CHEMISTRY	34	\$13.66	\$464.44
I310IS1	COPPER, ICP, DRY WT (SW846 6010B)	INORGANIC CHEMISTRY	8	\$21.45	\$171.60
I322ID1	DIG 730.1, ICP, LIQ, EXCEPT AS/SE/AG (SW846 3010A)	INORGANIC CHEMISTRY	34	\$23.24	\$790.16
I322IS1	DIG 750.1, ICP, SOLIDS (SW846 3050B)	INORGANIC CHEMISTRY	8	\$22.34	\$178.72
I340IR1	HARDNESS (AS CaCO3), TOTAL REC, CALC (SM 2340B)	INORGANIC CHEMISTRY	34	\$5.37	\$182.58
I362BLD	ION CHROMATOGRAPHY, SULFATE	INORGANIC CHEMISTRY	34	\$17.88	\$607.92
I370IR1	IRON, TOTAL REC, ICP (SW846 6010B)	INORGANIC CHEMISTRY	34	\$13.66	\$464.44
I370IS1	IRON, ICP, DRY WT (SW846 6010B)	INORGANIC CHEMISTRY	8	\$21.45	\$171.60
I380IR1	LEAD, TOTAL REC, ICP (SW846 6010B)	INORGANIC CHEMISTRY	20	\$13.66	\$273.20
I380IS1	LEAD, ICP, DRY WT (SW846 6010B)	INORGANIC CHEMISTRY	8	\$21.45	\$171.60
I390ISR	MAGNESIUM, ICP, SOLID, TOTAL REC (EPA 200.7)	INORGANIC CHEMISTRY	34	\$21.45	\$729.30
I400IR1	MANGANESE, TOTAL REC, ICP (SW846 6010B)	INORGANIC CHEMISTRY	34	\$13.66	\$464.44
I400IS1	MANGANESE, ICP, DRY WT (SW846 6010B)	INORGANIC CHEMISTRY	8	\$21.45	\$171.60
I430XS1	MERCURY, @60 DEG C, AA VAPOR, DRY WT (SW846 7471A)	INORGANIC CHEMISTRY	8	\$50.05	\$400.40
I430ZDT	MERCURY, ATOMIC FLUORESCENCE (EPA 1631)	INORGANIC CHEMISTRY	20	\$80.00	\$1,600.00
I480IR1	NICKEL, TOTAL REC, ICP (SW846 6010B)	INORGANIC CHEMISTRY	20	\$13.66	\$273.20
I480IS1	NICKEL, ICP, DRY WT (SW846 6010B)	INORGANIC CHEMISTRY	8	\$21.45	\$171.60
I495ELT	PARTICLE SIZE (UW-EXT SOILS LAB; NON-CERTIFIED)	INORGANIC CHEMISTRY	8	\$51.84	\$414.72
I495PSD	SAMPLE PREP/HANDLING I	INORGANIC CHEMISTRY	8	\$26.82	\$214.56
I495PSM	PREP MERCURY AT 60 DEG.C	INORGANIC CHEMISTRY	8	\$5.37	\$42.96
I495ZBC	CLEAN BOTTLE PREP - MERCURY	INORGANIC CHEMISTRY	20	\$25.03	\$500.60
I640BST	PERCENT VOLATILE SOLIDS (SM 2540G)	INORGANIC CHEMISTRY	8	\$10.03	\$80.24
I640HST	PERCENT SOLIDS (SM 2540G)	INORGANIC CHEMISTRY	8	\$30.39	\$243.12
I670IR1	ZINC, TOTAL REC, ICP (SW846 6010B)	INORGANIC CHEMISTRY	34	\$13.66	\$464.44
I670IS1	ZINC, ICP, DRY WT (SW846 6010B)	INORGANIC CHEMISTRY	8	\$21.45	\$171.60

Wisconsin Department of Natural Resources
SWIMS Project Summary

Test Code	Description	Test Group	# Planned	Unit Cost	Total Cost
I720BLT	FIELD TESTS	INORGANIC CHEMISTRY	34	\$6.36	\$216.24

Total WSLH Lab Costs: \$11,434.12

Total Budget: \$14,168.12

Combined Budgets: \$2,734.00

Combined WSLH: \$11,434.12

Combined Total: \$14,168.12

Funding					
Organization	Source	Type	Amount	Start Date	End Date