

Wisconsin Department of Natural Resources

SWIMS Project Summary

General Project Information

Project ID:	NOR_01_CMP13B
Name:	Pokegama, Little Pokegam and Red Rivers 303d Assessment -NOR_01_CMP13B
Type:	Competitive Projects
Subtype:	Impaired Water Assessment
Status:	COMPLETE
Start Date:	7/1/2012
End Date:	4/2/2014
Purpose:	This is a 303d assessement of the Pokegama, Little Pokegama and Red Rivers located in the St. Louis AOC. Sampling using WDNR protocols will be done to capture data that is currently lacking in our database to properly classify these streams and make recommendations for upcoming 303d list.
Objective:	The Pokegama River originates just over the Minnesota/Wisconsin border and flows nearly 26 miles before discharging into Pokegama Bay on the St. Louis River. The Little Pokegama is just over eight miles in length and flows parallel until it discharges at the upstream end of Spirit Lake on the St. Louis River (St. Louis and Lower Nemadji River Watershed Plan). Although designated as a limited forage fishery (LFF), the Pokegama River has been identified by Pratt (1996) as an important spawning area for walleye, northern pike, longnose and white suckers, burbot and other members of a diverse fishery. Habitat and water quality are a concern in the Pokegama system. Like most other flashy, red-clay influenced streams in this watershed, deeply cut clay banks and scoured channels are abundant. Suspended clay limits submerged vegetation growth as well as increasing turbidity and sediment deposition. All of these factors are hypothesized to limit fish abundance with lack of fish cover, or habitat, a major concern(St. Louis and Lower Nemadji River Watershed Plan). Nutrient levels in Pokegama Bay were found to be elevated compared to other areas of the St. Louis River during a baseline evaluation of the St. Louis River Area of Concern in 2010 (see Table 2). The mean reported phosphorus value for Pokegama Bay was 0.093 mg/L, nearly twice the 0.042 mg/L found in Allouez Bay. Bear Creek, a stream with agricultural influences and a mean recorded phosphorus value of 0.14 mg/L is a tributary to Allouez Bay. Also, Hog Island Inlet showed a mean phosphorus value of 0.07 mg/L, 0.023 mg/L less than Pokegama Bay. Newton Creek, a tributary to Hog Island Inlet and discharge of Murphy Oil, had a mean phosphorus value of 0.24 mg/L. Other areas of the St. Louis AOC have lower phosphorus values than Pokegama Bay even though they have streams flowing into them that have elevated levels of phosphorus. Therefore, the concern is that the Pokegama River is carrying highly elevated levels of phosphorus into Pokegama Bay. A water treatment plant is located on an unnamed tributary (WBIC – 2844200) to the Pokegama River. This tributary receives discharge from the Duluth, Winnipeg and Pacific Railway Switching Yards industrial and sanitary wastewater treatment system (St. Louis and Lower Nemadji River Watershed Plan). If this is one of the sources of elevated phosphorus levels, it should be identified through water chemistry analysis. The Red River is approximately 7.4 miles in length and has roughly a dozen tributaries. Red clay soils, steep topography, sharply rolling hills, some bank slippage, slumping, and erosion characterize areas in this watershed according to the St. Louis and Lower Nemadji River Watershed Plan. Due to extreme flows this stream is susceptible to bottom scouring. The Lake Superior Binational Program identified this watershed as important to the integrity of the Lake Superior ecosystem for coastal wetlands and contribution to ecosystem integrity. The Red River's attainable use designation and fisheries classification is a Class I trout stream. Its current use designation is a Class III trout stream which indicates it is not meeting its attainable use. In 2006 and 2008, baseline fish surveys of the Red River and a tributary did not result in sampling any trout. Though 6.3 miles of the Red River is listed as an Exceptional Resource Water (ERW), Epstein (1997) found moderate richness of invertebrate taxa present, but noted significant turbidity, iron bacteria, marl sludge, low flows and bank erosion.
Comments:	This is a continuing project from 2012. It has 3 main components: sampling the Pokegama system, sampling the Red River system, and sampling Pokegama Bay. Due to the close proximity of the Red River system and the Pokegama system, it would be the most efficient use of time and money to do all of this sampling in the same year.

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Outcome: The project outcome will identify if the Pokegama, Little Pokegama and Red Rivers should be included on the 2014 303d list update. Bug and fish IBI's will be calculated and continuous temperature data will be used to assess the streams. Also, information about use designation and attainable use will be collected. Information such as flow will be collected for use in the upcoming St. Louis River TMDL. A final report will be written and entered into SWIMS.

Study Design: In concert with the St. Louis and Lower Nemadji River Watershed Plan, we propose continued monitoring of the Pokegama system for 303d consideration and attainable use/use designation analysis. Our methods will include two stations on the Pokegama River (SWIMS ID 10032640 & 10037303) and two additional sites on the Little Pokegama River (10015473 & 163207). Analysis will include continuous temperature loggers at 3 sites (10032640, 10037303 & 10015473) and quantitative & qualitative habitat analysis, aquatic macroinvertebrate collection, electrofishing and water chemistry (total phosphorus, TSS and NTU's) sampling at all four sites. Water chemistry will be sampled once a month from May – Oct. Field parameters such as dissolved oxygen levels and percent saturation, pH and conductivity will also be recorded. Water chemistry will also be collected at one site on Pokegama Bay (10028980) during sampling trips. These samples will include Chlorophyll A measurements in addition to total phosphorus, TSS and NTU's to assess eutrophication.

As proposed by the St. Louis and Lower Nemadji River Watershed Plan, we would also like to investigate the current health of the Red River watershed and see if it should be included on the 2014 update to the 303d impaired waters list. Comprehensive sampling would occur at three sites on the Red River and its tributaries (10029330, 10015468 & 10029329). This sampling will be very similar to the sampling on the Pokegama system and include quantitative and qualitative habitat assessments, electro-fishing, macro invertebrate collection and water chemistry analysis at all three sites and continuous temperature loggers at 10029330 and 10015469. Flow data collected during quantitative habitat analysis from the Pokegama, Little Pokegama and Red Rivers would also aid in the upcoming St. Louis River TMDL study.

We currently have the LTE staffing available to complete this project and no additional LTEs would need to be hired. Ultimately, fish and bug IBIs will be calculated and, along with habitat assessments, will be used to properly designate the streams attainable uses and to see if they are achieving these. If they are not, possible reasons will be identified, including water quality, and will be used to make recommendations for possible inclusion in the 2014 update to the 303d impaired waters list.

QA Measures:

People						
Name	Role	Status	Start Date	End Date	Organization	Comments
HAGEN, CHERIE L	SUPERVISOR	COMPLETE	7/1/2012	12/31/2013	Wisconsin DNR	
HAYES, JASON M	PROJECT_LEAD	COMPLETE	7/1/2012	12/31/2013	Wisconsin DNR	
LAVIGNE, CLIFFORD R	COORDINATOR	ACTIVE	7/1/2012	12/31/2013	Wisconsin DNR	
Roesler, Craig P	COORDINATOR	COMPLETE	7/1/2012	12/31/2013	Wisconsin DNR	

Project Statuses

Date	Reported By	Status	Comments
3/15/2012	MOLLI MACDONALD	Proposed	
12/6/2012	CLIFFORD LAVIGNE	Progress: 50-75% Complete	All data has been collected and bugs sent to point. Jason and I are about to start entering data and then will begin a draft of our report. Report cannot be finalized until bug data is returned from point.
1/17/2013	CLIFFORD LAVIGNE	Progress: 50-75% Complete	We are asking to continue the project through next summer to re-deploy the 5 temp. loggers that were lost during a flood. Preliminary report will still be completed on time and temp. data and bug data will be integrated in the fall of 2013 at which point the project and report will be completed.
10/11/2013	JASON HAYES	Progress: 75-100% Complete	All data have been collected for this project. The temp loggers that were deployed this year have been retrieved I will be compiling the data and writing the report this winter.

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4/3/2014	Craig Roesler	Complete	Final report added to SWIMS
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Project Status Detail

Answer Set: DEFAULT

Question	Answer
1. Number of Sample Sites (Enter the station IDs if you know them).	8
2. Number of Sample Events (Indicate how many trips into the field you anticipate for this project).	16
3. Proposed Dates for Sample Collection	May - Sept
4. List applicable databases and who will enter data?	SWIMS
5. Did you receive competitive projects funding in the previous year?	No
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?	Yes

Actions

Action	Detailed Description	Start Date	End Date	Status
Monitor or Propose 303(d) Listing	To evaluate Pokegama, Red River Monitoring and Little Pokegama for Impaired Waters listing.	4/3/2012	4/3/2014	COMPLETE
Monitor or Propose 303(d) Listing	This is a 303d assesement of the Pokegama, Little Pokegama and Red Rivers located in the St. Louis AOC. The Little Pokegama is just over eight miles in length and flows parallel until it discharges at the upstream end of Spirit Lake on the St. Louis River (St. Louis and Lower Nemadji River Watershed Plan). Bug and fish IBI's will be calculated and continuous temperature data will be used to assess the streams. Also, information about use designation and attainable use will be collected. Information such as flow will be collected for use in the upcoming St. Louis River TMDL.	7/1/2012	4/2/2014	COMPLETE

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

Monitoring Stations

Station ID	Name	Comments
163207	Little Pokegama River - 3 Mi So Hwy 105	
10015473	Little Pokegama River- Upstream Hwy 105- Station #1	
10029156	Mouth of Bear Creek - Allouez Bay	
10028980	Pokegama Bay - Pokegama River Site-1	

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10028981	Pokegama Bay - Pokegama River Site-2	
10028982	Pokegama Bay - Pokegama River Site-3	
10037303	Pokegama River US of RR Tracks	
10032640	Pokegama River at Cemetery Rd. South Superior	
10037522	Red River (approximately 3/4 mile upstream from mouth)	
10029330	Red River north east of railroad just downstream of stateline	
10029329	Red River short distance upstream of unnamed tributary	
10015468	Red River- Walk In North Of Intersection Of Hwy W And Hwy C-Station #2	
10015469	Red River- Walked In North Of Hwy W And Hwy C- Station #1	

Assessment Units

WBIC	Segment	Local Name	Official Name
2449300	1	Alexander Lake	Alexander Lake
2449500	1	Apple Lake	Apple Lake
2449500	2	Apple Lake	Apple Lake
2451700	1	Bass Lake	Bass Lake
2452400	1	Beauregard Lake	Beauregard Lake
2452800	1	Beglinger Lake	Arrowhead Lake
2453000	1	Bennett Lake	Beglinger Lake
2453700	1	Bird Sanctuary Lake	Bird Sanctuary Lake
2453800	1	Black Fox Lake	Black Fox Lake
2454100	1	Bluegill Lake	Bluegill Lake
2454600	1	Boot Lake	Boot Lake
2456700	1	Catherine Lake	Catherine Lake
2457700	1	Clear Lake	Clear Lake
2458100	1	Clyde Lake	Clyde Lake
2459300	1	Crooked Lake	Crooked Lake
2459400	1	Crotty Lake	Crotty Lake
2459700	1	Crystal Lake	Crystal Lake
2462400	1	Twin Lakes, East	Twin Lakes
2463300	1	Ellison Lake	Ellison Lake
2464600	1	Flamang Lake	Flamang Lake
2464700	1	Flat Lake	Flat Lake
2466000	1	Gilbert Lake	Gilbert Lake
2466600	1	Goose Lake	Goose Lake

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2467600	1	Grover Lake	Grover Lake
2468000	1	Harriet Lake	Harriet Lake
2468300	1	Haugen Lake (Pagan)	Haugen Lake
2469100	1	High Life Lake	High Life Lake
2469700	1	Hopkins Lake	Hopkins Lake
2470900	1	Island Lake	Island Lake
2471000	1	Jack Pine Lake	Jack Pine Lake
2472700	1	Kriede Lake	Kreide Lake
2473300	1	Lake Of The Woods	Lake of the Woods
2477700	1	Little Sand Lake	Little Sand Lake
2477800	1	Little Simms Lake	Little Simms Lake
2478400	1	Long Lake	Long Lake
2478900	1	Loon Lake	Loon Lake
2479000	1	Loon Lake	Loon Lake
2479100	1	Loon Lake	Loon Lake
2479800	1	Chain Lake, Lower	Chain Lakes
2480300	1	Lund Lake	Lund Lake
2482000	1	Metzger Lake	Metzger Lake
2483000	1	Mirror Lake	Mirror Lake
2483800	1	Muck Lake	Muck Lake
2484700	1	Mud Lake	Mud Lake
2485000	1	Murray Lake	Murray Lake
2487300	1	Onemile Lake	One Mile Lake
2487700	1	Paradise Lake	Paradise Lake
2488600	1	Person Lake	Person Lake
2488700	1	Peterson Lake	Peterson Lake
2489100	1	Pickerel Lake	Pickerel Lake
2491800	1	Rainbow Lake	Rainbow Lake
2492100	1	Red Lake	Red Lake
2492900	1	Rock Lake	Rock Lake
2493900	1	Round Lake	Round Lake
2495300	1	Sand Lake	Sand Lake
2495600	1	Sauntrys Pocket	Sauntrys Pocket Lake
2495800	1	Scott Lake	Scott Lake
2497100	1	Simms Lake	Simms Lake

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2498000	1	Snipe Lake	Snipe Lake
2498300	1	Spider Lake	Spider Lake
2500600	1	Swenson Lake	Swenson Lake
2501300	1	Thorne Lake	Thorn Lake
2503500	1	Halfway Lake	Two Mile Lake
2577700	1	Un Lake	Unnamed
2577800	1	Unnamed Lake	Mahogany Marsh Lake
2577900	1	Un Lake	Unnamed
2578000	1	Un Lake	Unnamed
2578100	1	Un Lake	Unnamed
2578200	1	Un Lake	Unnamed
2578300	1	Local Water	Unnamed
2578400	1	Un Lake	Unnamed
2578500	1	Un Lake	Unnamed
2578600	1	Un Lake	Unnamed
2578700	1	Local Water	Unnamed
2578800	1	Local Water	Unnamed
2578900	1	Un Lake	Unnamed
2579000	1	Un Lake	Unnamed
2579200	1	Un Lake	Unnamed
2579300	1	Un Lake	Unnamed
2579400	1	Un Lake	Unnamed
2579600	1	Un Lake	Unnamed
2579700	1	Un Lake	Unnamed
2579900	1	Un Lake	Unnamed
2580000	1	Un Lake	Unnamed
2580100	1	Unnamed Lake	Unnamed
2580200	1	Un Lake	Unnamed
2580400	1	Un Lake	Unnamed
2580450	1	Un Lake	Unnamed
2580500	1	Un Lake	Unnamed
2580600	1	Unnamed Lake	Unnamed
2580700	1	Un Lake	Unnamed
2580800	1	Un Lake	Unnamed
2580900	1	Un Lake	Unnamed

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2581000	1	Unnamed Lake	Unnamed
2581100	1	Un Lake	Unnamed
2581200	1	Un Lake	Unnamed
2581400	1	Un Lake	Unnamed
2581500	1	Un Lake	Unnamed
2581550	1	Un Lake	Unnamed
2581600	1	Un Lake	Unnamed
2581700	1	Un Lake	Unnamed
2581800	1	Un Lake	Unnamed
2581900	1	Un Lake	Unnamed
2582000	1	Un Lake	Unnamed
2582100	1	Un Lake	Unnamed
2582200	1	Un Lake	Unnamed
2582300	1	Un Lake	Unnamed
2582400	1	Unnamed	Unnamed
2582500	1	Un Lake	Unnamed
2582600	1	Un Lake	Unnamed
2582700	1	Un Lake	Unnamed
2582800	1	Un Lake	Unnamed
2582900	1	Un Lake	Unnamed
2583000	1	Un Lake	Unnamed
2583100	1	Un Lake	Unnamed
2583200	1	Un Lake	Unnamed
2583250	1	Un Lake	Unnamed
2588050	1	Un Lake	Unnamed
2588100	1	Un Lake	Unnamed
2588200	1	Un Lake	Unnamed
2588300	1	Un Lake	Unnamed
2588400	1	Un Lake	Unnamed
2588500	1	Un Lake	Unnamed
2588700	1	Un Lake	Unnamed
2588800	1	Un Lake	Unnamed
2588900	1	Un Lake	Unnamed
2589000	1	Un Lake	Unnamed
2589100	1	Un Lake	Unnamed

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2589200	1	Un Lake	Unnamed
2589300	1	Un Lake	Unnamed
2589400	1	Local Water	Unnamed
2589500	1	Un Lake	Unnamed
2589600	1	Un Lake	Unnamed
2589700	1	Un Lake	Unnamed
2589800	1	Un Lake	Unnamed
2589900	1	Un Lake	Unnamed
2590000	1	Un Lake	Unnamed
2590100	1	Un Lake	Unnamed
2590200	1	Un Lake	Unnamed
2590300	1	Un Lake	Unnamed
2590400	1	Un Lake	Unnamed
2594700	1	Un Lake	Unnamed
2594800	1	Un Lake	Unnamed
2594900	1	Un Lake	Unnamed
2595000	1	Un Lake	Unnamed
2595100	1	Un Lake	Unnamed
2595200	1	Un Lake	Unnamed
2595300	1	Un Lake	Unnamed
2595400	1	Un Lake	Unnamed
2595500	1	Un Lake	Unnamed
2595600	1	Un Lake	Unnamed
2595700	1	Un Lake	Unnamed
2595800	1	Un Lake	Unnamed
2595900	1	Un Lake	Unnamed
2596000	1	Un Lake	Unnamed
2596100	1	Un Lake	Unnamed
2596200	1	Un Lake	Unnamed
2596300	1	Un Lake	Unnamed
2596400	1	Un Lake	Unnamed
2596500	1	Un Lake	Unnamed
2596600	1	Un Lake	Unnamed
2596700	1	Un Lake	Unnamed
2596800	1	Local Water	Unnamed

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2598200	1	Un Spring	Un Spring
2598300	1	Chain Lake, Upper	Chain Lakes
2599000	1	Twin Lakes, West	Twin Lakes, West
2599200	1	Wagner Lake	Wagner Lake
2599700	1	Wascott Lake	Wascott Lake
2599800	1	Webb Lake	Webb Lake
2600200	1	Whiteside Lake	Whiteside Lake
2600800	1	Wilson Lake	Wilson Lake
2601100	1	Yoekel Lake	Yoekel Lake
2601400	5	St. Croix River	Saint Croix River
2601400	6	St. Croix River	Saint Croix River
2669800	1	East Branch Hay Creek	East Branch Hay Creek
2686200	1	Upper Tamarack River	Upper Tamarack River
2686500	1	Spruce River	Spruce River
2686700	1	Dingle Creek	Dingle Creek
2686700	2	Dingle Creek	Dingle Creek
2687000	1	Un Lake	Unnamed
2687500	1	Radigan Flowage	Radigan Flowage
2687600	1	Toad Creek	Toad Creek
2687800	1	Chases Brook	Chases Brook
2688300	1	Boyles Brook	Boyles Brook
2688600	3	Hay Creek	Hay Creek
2688800	1	Mcgraw Lake	McGraw Lake
2689800	2	Totagatic River	Totagatic River
2689800	6	Totagatic River	Totagatic River
2689800	8	Totagatic River	Totagatic River
2689800	15	Totagatic River	Totagatic River
2692900	1	Minong Flowage	Minong Flowage
2693100	1	Cranberry Lake	Cranberry Lake
2693200	1	Cranberry Creek	Cranberry Creek
2693400	1	Cranberry Spring	Cranberry Spring
2693600	1	Un Lake	Unnamed
2693700	1	Bond Lake	Bond Lake
2693800	1	Leader Lake	Leader Lake
2693900	1	Un Lake	Unnamed

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2694000	1	Whitefish Lake	Whitefish Lake
2694200	1	Un Lake	Unnamed
2694300	2	Bergen Creek	Bergen Creek
2694300	3	Bergen Creek	Bergen Creek
2694700	1	Buffalo Lake	Buffalo Lake
2694800	1	Muck Lake	Muck Lake
2695000	1	Un Spring	Un Spring
2695200	1	Un Spring	Un Spring
2695500	1	Sullivan Lake	Sullivan Lake
2695600	1	Bergen Creek Spring	Bergen Springs
2699400	1	Frahm Lake	Frahm Lake
2699500	1	Ounce River	Ounce River
2699500	2	Ounce River	Ounce River
2699600	1	Snake Creek	Snake Creek
2699800	1	Un Lake	Unnamed
2700000	1	Un Spring	Un Spring
2700200	1	Mulligan Lake	Mulligan Lake
2700300	1	Snake Lake	Snake Lake
2700500	1	Sawyer Lake	Sawyer Lake
2700800	1	Un Spring	Un Spring
2701000	1	Un Spring	Un Spring
2702400	1	Unnamed Lake	Unnamed
2702500	1	O'Hara Creek	O'Hara Creek
2702600	1	Cole Creek	Cole Creek
2702700	1	Haymaker Creek	Haymaker Creek
2703100	1	Williamson Creek	Williamson Creek
2736300	2	Rock Creek	Rock Creek
2736300	3	Rock Creek	Rock Creek
2736400	1	Thompson Creek	Thompson Creek
2736500	1	Beaver Creek	Beaver Creek
2736500	2	Beaver Creek	Beaver Creek
2736600	1	East Channel St. Croix River	St Croix River -E Channel
2736800	1	Bacon Creek	Bacon Creek
2737100	1	Buckley Creek	Buckley Creek
2737300	1	Buckley Springs	Buckley Spring

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2737500	1	Un Spring	Un Spring
2737700	1	Un Spring	Un Spring
2737800	1	Deer Lake	Deer Lake
2737900	1	Crotte Creek	Crotte Creek
2738100	1	Sheosh Creek	Sheosh Creek
2738400	1	Potter Creek	Potter Creek
2738600	1	Moose River	Moose River
2738600	2	Moose River	Moose River
2738700	1	Arnold Creek	Arnold Creek
2738800	1	Buckety Creek	Buckety Creek
2738800	2	Buckety Creek	Buckety Creek
2739400	1	Moose Branch Flowage	Moose Branch Flowage
2739900	1	East Fork Moose River	East Fork Moose River
2740100	1	Moose Lake	Moose Lake
2740300	1	St. Croix Flowage	St Croix Flowage
2740400	1	Spring Creek	Spring Creek
2740500	1	Lord Creek	Lord Creek
2740600	1	Carlson Creek	Carlson Creek
2740700	1	Eau Claire River	Eau Claire River
2740700	3	Eau Claire River	Eau Claire River
2740900	1	Eau Claire River Flowage	Eau Claire River Flowage
2741400	1	Un Spring	Un Spring
2741600	1	Eau Claire Lake, Low	Lower Eau Claire Lake
2743900	1	Un Lake	Unnamed
2744000	1	Un Spring	Un Spring
2744100	1	Lower Ox Creek	Lower Ox Creek
2744100	2	Lower Ox Creek	Lower Ox Creek
2744100	3	Lower Ox Creek	Lower Ox Creek
2744300	1	Ox Lake, Lower	Lower Ox Lake
2744350	1	Un Lake	Unnamed
2744500	1	Bass Lake	Bass Lake
2744600	1	Muskrat Lake	Muskrat Lake
2744700	1	Ox Lake, Upper	Upper Ox Lake
2744800	1	Upper Ox Creek	Upper Ox Creek
2745000	1	Un Lake	Unnamed

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2745200	1	Un Spring	Un Spring
2745400	1	Un Spring	Un Spring
2745500	1	Mud Creek	Mud Creek
2745800	1	Mud Creek Springs	Mud Creek Springs
2746100	1	Deer Print Lake	Deer Print Lake
2746300	1	Un Spring	Un Spring
2746500	1	Un Spring	Un Spring
2746700	1	Horseshoe Springs	Un Spring
2746800	1	Upper Ox Creek	Upper Ox Creek -Un Channel
2746900	1	Un Spring	Un Spring
2746950	1	Un Lake	Unnamed
2747000	1	Un Spring	Un Spring
2747050	1	Un Lake	Unnamed
2747200	1	Un Spring	Un Spring
2747300	1	Upper St. Croix Lake	Upper Saint Croix Lake
2747400	1	Leo Creek	Leo Creek
2747400	2	Leo Creek	Leo Creek
2747550	1	Local Water	Unnamed
2747700	1	Ferguson Lake	Ferguson Lake
2747800	1	Park Creek	Park Creek
2747800	2	Park Creek	Park Creek
2748000	1	Park Creek Pond	Park Creek Pond
2748100	1	Spring Creek (Solon Spring Creek)	Unnamed
2748200	1	Rock Cut Creek	Unnamed
2748500	1	Beebe Creek	Beebe Creek
2748600	1	Catlin Creek	Catlin Creek
2748600	2	Catlin Creek	Catlin Creek
2748700	1	Porcupine Creek	Porcupine Creek
2748800	1	Un Lake	Unnamed
2749000	1	Lynch Spring	Lynch Spring
2749100	1	St Croix Creek	St Croix Creek
2749200	1	Big Spring	Big Spring
2751000	1	Long Lake	Long Lake
2751200	1	Un Spring	Un Spring
2751220	1	Lake Superior	Lake Superior

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2751220	2	Barker Island Inner Beach	Lake Superior
2751220	3	Brule River State Forest Beach #2, Lake Superior	Lake Superior
2751220	4	Brule River State Forest Beach #3, Lake Superior	Lake Superior
2751220	6	Amnicon River Beach, Lake Superior	Lake Superior
2751220	7	Middle River Beach, Lake Superior	Lake Superior
2751220	8	Wisconsin Point Shafer Beach (#2), Lake Superior	Lake Superior
2751220	10	Lake Superior (mouth of Bois Brule River)	Lake Superior
2751220	17	Lake Superior (mouth of Amnicon River)	Lake Superior
2751220	58	Allouez Bay Beach 3, Lake Superior	Lake Superior
2751220	59	Wisconsin Point Lot 1, Lake Superior	Lake Superior
2751220	60	Wisconsin Point Dutchman Creek, Lake Superior	Lake Superior
2751220	61	Wisconsin Point Lot 4, Lake Superior	Lake Superior
2751220	62	Wisconsin Point Lighthouse Lot 5, Lake Superior	Lake Superior
2751220	70	Wisconsin Point Lot 3, Lake Superior	Lake Superior
2751300	1	Hog Island Inlet	Superior Bay
2754300	1	Anderson Lake	Anderson Lake
2756700	1	Breitzman Lake	Breitzman Lake
2758400	1	Cheney Lake	Cheney Lake
2758800	1	Coffee Lake	Coffee Lake
2759500	1	Cream Lake	Cream Lake
2760300	1	Deer Lake	Deer Lake
2760400	1	Deer Lake	Deer Lake
2763900	1	Hoodoo Lake	Hoodoo Lake
2764100	1	Horseshoe Lake	Horseshoe Lake
2766000	1	Lake Seventeen	Lake Seventeen
2767700	1	Lower Three Bucks Lake	Three Buck Lakes, Lower
2767900	1	Lydon Lake	Lydon Lake
2768300	1	Middle Three Bucks Lake	Three Bucks Lakes
2768400	1	Mills Lake	Mills Lake
2770400	1	One Buck Lake	One Buck Lake
2771400	1	Pine Lake	Pine Lake
2772800	1	Rush Lake	Rush Lake
2773600	1	Shoberg Lake	Shoberg Lake
2774100	1	Smith Lake	Smith Lake
2775000	1	Summit Lake	Summit Lake

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2800800	1	Un Lake	Unnamed
2800900	1	Un Lake	Unnamed
2801000	1	Un Lake	Unnamed
2805600	1	Un Lake	Unnamed
2805700	1	Un Lake	Unnamed
2805900	1	Un Lake	Unnamed
2806000	1	Un Lake	Unnamed
2806100	1	Un Lake	Unnamed
2806200	1	Un Lake	Unnamed
2806400	1	Un Lake	Unnamed
2806500	1	Un Lake	Unnamed
2806600	1	Un Lake	Unnamed
2806700	1	Un Lake	Unnamed
2806800	1	Un Lake	Unnamed
2806900	1	Un Lake	Unnamed
2807000	1	Un Lake	Unnamed
2807100	1	Un Lake	Unnamed
2807200	1	Un Lake	Unnamed
2807300	1	Un Lake	Unnamed
2807400	1	Un Lake	Unnamed
2807500	1	Un Lake	Unnamed
2807600	1	Un Lake	Unnamed
2807700	1	Un Lake	Unnamed
2807800	1	Un Lake	Unnamed
2807900	1	Un Lake	Unnamed
2808000	1	Un Lake	Unnamed
2808100	1	Un Lake	Unnamed
2808200	1	Un Lake	Unnamed
2808300	1	Un Lake	Unnamed
2808400	1	Un Lake	Unnamed
2808400	2	Un Lake	Unnamed
2808500	1	Un Lake	Unnamed
2808600	1	Un Lake	Unnamed
2808700	1	Un Lake	Unnamed
2808800	1	Un Lake	Unnamed

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2808900	1	Un Lake	Unnamed
2809000	1	Un Lake	Unnamed
2809100	1	Un Lake	Unnamed
2809150	1	Un Lake	Unnamed
2809200	1	Un Lake	Unnamed
2809300	1	Un Lake	Unnamed
2809400	1	Un Lake	Unnamed
2809500	1	Un Lake	Unnamed
2809600	1	Un Lake	Unnamed
2809700	1	Un Lake	Unnamed
2809800	1	Un Lake	Unnamed
2809900	1	Un Lake	Unnamed
2810000	1	Un Lake	Unnamed
2810100	1	Un Lake	Unnamed
2810200	1	Un Lake	Unnamed
2810300	1	Un Lake	Unnamed
2810400	1	Un Lake	Unnamed
2810500	1	Un Lake	Unnamed
2810600	1	Un Lake	Unnamed
2824200	1	Un Lake	Unnamed
2824300	1	Un Lake	Unnamed
2824400	1	Un Lake	Unnamed
2824500	1	Un Lake	Unnamed
2824600	1	Un Lake	Unnamed
2824700	1	Un Lake	Unnamed
2824800	1	Un Lake	Unnamed
2824900	1	Un Lake	Unnamed
2825000	1	Un Lake	Unnamed
2825100	1	Un Lake	Unnamed
2825200	1	Local Water	Unnamed
2825300	1	Un Lake	Unnamed
2825325	1	Un Lake	Unnamed
2825350	1	Un Lake	Unnamed
2825400	1	Un Lake	Unnamed
2825475	1	Un Lake	Unnamed

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2825490	1	Un Lake	Unnamed
2829500	1	Un Lake	Unnamed
2829560	1	Un Lake	Unnamed
2829570	1	Un Lake	Unnamed
2829600	1	Un Lake	Unnamed
2829800	1	Un Lake	Unnamed
2829900	1	Un Lake	Unnamed
2830000	1	Un Lake	Unnamed
2830100	1	Un Lake	Unnamed
2831200	1	Un Lake	Unnamed
2832100	1	Upper Three Bucks Lake	Three Buck Lakes, Upper
2832700	1	Whisky Lake	Whisky Lake
2833200	1	Bluff Creek	Bluff Creek
2833300	1	Unnamed	Unnamed
2833400	1	Unnamed	Unnamed
2833500	1	Birch Creek	Birch Creek
2833600	1	Unnamed Stream	Unnamed
2833700	1	Unnamed Stream	Unnamed
2833800	1	Unnamed Stream	Unnamed
2833900	1	Unnamed Stream	Unnamed
2834000	1	Unnamed Stream	Unnamed
2834100	1	Unnamed Stream	Unnamed
2834200	1	Unnamed Stream	Unnamed
2834300	1	Unnamed Stream	Unnamed
2834400	1	Unnamed Stream	Unnamed
2834500	1	Unnamed Stream	Unnamed
2834600	1	Bear Creek	Bear Creek
2834700	1	Unnamed	Unnamed
2834800	1	Local Water	Unnamed
2834900	1	Unnamed Stream	Unnamed
2835000	1	Unnamed Stream	Unnamed
2835100	1	Unnamed	Unnamed
2835200	1	Unnamed Stream	Unnamed
2835300	1	Lower Nemadji River	Nemadji River
2835400	1	Unnamed Stream	Unnamed

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2835500	1	Crawford Creek	Crawford Creek
2835800	1	Crawford Creek	Unnamed
2835900	1	Unnamed Stream	Unnamed
2836000	1	Un Lake	Unnamed
2836100	1	Copper Creek	Copper Creek
2836100	2	Copper Creek	Copper Creek
2836100	3	Copper Creek	Copper Creek
2836200	1	Unnamed Stream	Unnamed
2836300	1	Rocky Run Creek	Rocky Run
2836400	1	Stony Brook Creek	Stony Brook
2836500	1	Unnamed Stream	Unnamed
2836600	1	Local Water	Unnamed
2836700	1	Unnamed Trib To Copper Creek	Unnamed
2836800	1	Unnamed Trib To Unnamed Copper Ck. Trib	Unnamed
2836800	2	Unnamed Trib To Unnamed Copper Ck Trib	Unnamed
2836900	1	Black River	Black River
2836900	2	Black River	Black River
2836900	3	Black River	Black River
2837000	1	Miller Creek	Miller Creek
2837000	2	Miller Creek	Miller Creek
2837100	1	Creek 18-2	Unnamed
2837100	2	Creek 18-2	Unnamed
2837100	3	Creek 18-2	Unnamed
2837200	1	Unnamed Stream	Unnamed
2837300	1	Rock Creek	Rock Creek
2837300	2	Rock Creek	Rock Creek
2837400	1	Local Water	Unnamed
2837500	1	Un Lake	Unnamed
2837600	1	Unnamed Stream	Unnamed
2838000	1	Interfalls Lake	Interfalls Lake
2838000	2	Pattison Beach (State Park)	Interfalls Lake
2838200	1	Unnamed Stream	Unnamed
2838300	1	Unnamed Stream	Unnamed
2838400	1	Un Lake	Unnamed
2838500	1	Unnamed Stream	Unnamed

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2838600	1	Un Lake	Unnamed
2838700	1	Reichuster Lake	Reichuster Lake
2838800	1	Unnamed Stream	Unnamed
2838900	1	Unnamed Stream	Unnamed
2839000	1	Un Lake	Unnamed
2839100	1	Unnamed Stream	Unnamed
2839200	1	Unnamed Stream	Unnamed
2839300	1	Unnamed Stream	Unnamed
2839400	1	Unnamed Stream	Unnamed
2839500	1	Unnamed Stream	Unnamed
2839600	1	Unnamed Stream	Unnamed
2839700	1	Unnamed Stream	Unnamed
2839800	1	Unnamed Srteam	Unnamed
2839900	1	Little Black River	Little Black River
2840000	1	Unnamed Stream	Unnamed
2840100	1	Unnamed Stream	Unnamed
2840200	1	Unnamed Stream	Unnamed
2840400	1	Unnamed Stream	Unnamed
2840500	1	Unnamed Stream	Unnamed
2840600	1	Unnamed Stream	Unnamed
2840700	1	Unnamed Stream	Unnamed
2840800	1	Unnamed Stream	Unnamed
2840900	1	Unnamed Stream	Unnamed
2841000	1	Unnamed Stream	Unnamed
2841100	1	Unnamed Stream	Unnamed
2841200	1	Black Lake	Black Lake
2841300	1	Unnamed Stream	Unnamed
2841400	2	Balsam Creek (Big Balsam)	Balsam Creek
2841400	3	Balsam Creek (Big Balsam)	Balsam Creek
2841400	4	Balsam Creek (Big Balsam)	Balsam Creek
2841500	1	Unnamed Trib. To Balsam Ck. T47n R15w S23	Unnamed
2841600	1	Empire Creek	Empire Creek
2841700	1	Little Balsam Creek	Little Balsam Creek
2841700	2	Little Balsam Creek	Little Balsam Creek
2841800	1	Unnamed Stream	Unnamed

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2841900	1	Unnamed Stream	Unnamed
2842000	1	Unnamed Stream	Unnamed
2842100	1	Unnamed Stream	Unnamed
2842200	1	Unnamed Trib To Balsam Creek	Unnamed
2842400	1	Unnamed Stream	Unnamed
2842500	1	Un Lake	Unnamed
2842600	1	Unnamed Stream	Unnamed
2842700	1	Unnamed Stream	Unnamed
2842800	1	Clear Creek	Clear Creek
2843000	1	Mud Creek	Mud Creek
2843200	1	Unnamed Stream	Unnamed
2843400	1	Nemadji River, South Fork	South Fork Nemadji River
2843650	1	Newton Creek	Newton Creek
2843700	1	Faxon (Central Park) Creek	Unnamed
2843800	1	St. Louis River AOC, St. Louis River	Saint Louis River
2843800	4	St. Louis River AOC, Howards Bay	Saint Louis River
2843900	1	Unnamed	Unnamed
2844000	2	Pokegema River	Pokegema River
2844100	1	Unnamed Stream	Unnamed
2844200	1	Unnamed Trib. To Pokegama River T48n R14w S10/15	Unnamed
2844300	1	Unnamed Creek	Unnamed
2844400	1	Unnamed Stream	Unnamed
2844500	1	Unnamed Stream	Unnamed
2844700	1	Unnamed Stream	Unnamed
2845200	1	Little Pokegema River	Little Pokegema River
2845300	1	Local Water	Unnamed
2845400	1	Unnamed Stream	Unnamed
2845500	1	Unnamed Stream	Unnamed
2845600	1	Local Water	Unnamed
2845700	1	Unnamed	Unnamed
2845800	1	Red River	Red River
2845800	2	Red River	Red River
2845900	1	Unnamed	Unnamed
2846000	1	Unnamed Stream	Unnamed
2846100	1	Unnamed Stream	Unnamed

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2846300	1	Unnamed Stream	Unnamed
2846500	1	Unnamed Seeps To Red River T48n R14w S30 Nesw	Unnamed
2846800	1	Unnamed	Unnamed
2846900	1	Unnamed Stream	Unnamed
2847000	1	Unnamed	Unnamed
2847100	1	Dutchman Creek	Dutchman Creek
2847200	1	Unnamed Stream	Unnamed
2847400	1	Unnamed Stream	Unnamed
2847500	1	Unnamed Stream	Unnamed
2847600	1	Unnamed Stream	Unnamed
2847700	1	Unnamed Stream	Unnamed
2847800	1	Unnamed Stream	Unnamed
2847900	1	Morrison Creek	Morrison Creek
2848000	1	Unnamed	Unnamed
2848100	1	Unnamed Stream	Unnamed
2848200	1	Unnamed Stream	Unnamed
2848300	1	Unnamed Stream	Unnamed
2848400	1	Unnamed Stream	Unnamed
2848500	1	Unnamed Stream	Unnamed
2848600	1	Unnamed Stream	Unnamed
2848700	1	Unnamed Stream	Unnamed
2848800	1	Unnamed Stream	Unnamed
2848900	1	Amnicon River	Amnicon River
2848900	2	Amnicon River	Amnicon River
2849100	1	Wagner Creek	Wagner Creek
2849200	1	Miller Creek	Miller Creek
2851100	1	Local Water	Unnamed
2851800	1	Un Lake	Unnamed
2851900	1	Silver Creek	Silver Creek
2851900	2	Silver Creek	Silver Creek
2851900	3	Silver Creek	Silver Creek
2852100	1	Unnamed Creek	Unnamed
2853000	1	Unnamed Trib To Silver Creek	Unnamed
2853600	1	Un Lake	Unnamed
2853800	1	Unnamed Lake	Unnamed

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2853900	1	Little Amnicon River	Little Amnicon River
2853900	2	Little Amnicon River	Little Amnicon River
2854100	1	Unnamed Trib to Little Amnicon R	Unnamed
2854800	1	Local Water	Unnamed
2855800	1	Round Lake	Round Lake
2855900	1	Long Lake	Long Lake
2856000	1	Cranberry Creek	Cranberry Creek
2856200	1	Cranberry Creek Flowage	Cranberry Creek Flowage
2856400	1	Lyman Lake	Lyman Lake
2856600	1	Scout Lake	Scout Lake
2856700	1	Erickson Creek	Ericson Creek
2857200	1	Bear Creek	Bear Creek
2857200	2	Bear Creek	Bear Creek
2857700	1	Tozer Lake	Bear Lake
2858000	1	Mud Lake	Mud Lake
2858100	1	Amnicon Lake	Amnicon Lake
2858300	1	Dowling Lake	Dowling Lake
2858400	1	Lake Newman	Lake Newman
2858500	1	Hanson Creek	Hanson Creek
2858800	1	Middle River	Middle River
2859200	1	Local Water	Unnamed
2859600	1	Local Water	Unnamed
2859700	1	Un Lake	Unnamed
2859800	1	Poplar River	Poplar River
2859800	2	Poplar River	Poplar River
2860000	1	Lake Creek	Lake Creek
2860400	1	Poplar River Pond	Poplar River Pond
2860510	1	Un Lake	Unnamed
2860900	1	Bardon Creek	Bardon Creek
2860900	2	Bardon Creek	Bardon Creek
2860900	3	Bardon Creek	Bardon Creek
2861000	1	Pearson Creek	Pearson Creek
2861100	1	Anderson Creek	Anderson Creek
2861200	1	Haukkala Creek	Haukkala Creek
2861300	1	Nelson Creek	Nelson Creek

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2861400	1	Fisher Creek	Fisher Creek
2861800	1	Bois Brule River	Bois Brule River
2861900	1	Trask Creek	Trask Creek
2861900	2	Trask Creek	Trask Creek
2861900	3	Trask Creek	Trask Creek
2861900	4	Trask Creek	Trask Creek
2862000	1	Unnamed Trib To Trask Creek T48n R10w S02	Unnamed
2862200	1	Percival Creek	Percival Creek
2862300	1	Unnamed Trib To Bois Brule	Unnamed
2862350	1	Bois Brule Tr T47n R10w S35-12	Unnamed
2862400	1	Casey Creek	Casey Creek
2862450	1	Unnamed Trib To Casey Ck T47nr10ws03sesw	Unnamed
2862500	1	Unnamed Trib To Casey Creek	Unnamed
2862525	2	Unnamed Trib To Casey Ck T47nr10ws04senwc	Unnamed
2862550	1	Unnamed Trib To Casey Ck T47nr10ws05nese	Unnamed
2862600	1	Rocky Run	Rocky Run
2862700	1	Unnamed Trib. To Rocky Run Ck.	Unnamed
2862900	1	Unnamed Trib To Bois Brule	Unnamed
2863000	1	Unnamed Trib To Bois Brule T47n R10w S11	Unnamed
2863000	2	Bois Brule River Trib (NW/SE S11)	Unnamed
2863100	1	Little Bois Brule River	Little Bois Brule River
2863200	1	Sandy Run Creek	Sandy Run
2863300	1	Unnamed Trib. To Sandy Run Creek	Unnamed
2863300	2	Unnamed Trib. To Sandy Run(T47-R10W-S13-3d)	Unnamed
2864000	1	Un Spring	Un Spring
2864100	1	Unnamed Trib To Boisbrule T47nr10ws14nesw	Unnamed
2864200	1	Nebagamon Creek	Nebagamon Creek
2864200	2	Nebagamon Creek	Nebagamon Creek
2864200	3	Nebagamon Creek	Nebagamon Creek
2864300	1	Blueberry Creek	Blueberry Creek
2864400	1	5 Unnamed Tribs To Blueberry Ck.	Unnamed
2864500	1	Minnow Lake	Minnow Lake
2864600	1	Un Lake	Unnamed
2864700	1	Un Lake	Unnamed
2864900	1	Un Lake	Unnamed

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2865000	1	Lake Nebagamon	Lake Nebagamon
2865100	1	Unnamed Trib To Lake Nebagamon	Unnamed
2865200	1	Unnamed Trib To Lake Nebagamon	Unnamed
2865300	1	Unnamed Trib To Lake Nebagamon	Unnamed
2865500	1	Un Lake	Unnamed
2865700	1	Little Steele Lake	Little Steele Lake
2865900	1	Un Lake	Unnamed
2866000	1	Steele Lake	Steele Lake
2866100	1	Minnesuing Creek	Minnesuing Creek
2866200	1	Minnesuing Lake	Lake Minnesuing
2866300	1	Unnamed Tribs. To Lake Minnesuing	Unnamed
2866600	1	Hansen Creek	Hansen Creek
2866700	1	Kaspar Creek	Kaspar Creek
2866800	1	South Twin Lake	Twin Lakes, South
2866900	1	North Twin Lake	Twin Lakes
2867300	1	Gander Lake	Gander Lake
2867500	1	Plate Lake	Plate Lake
2867600	1	Sunfish Lake	Sunfish Lake
2868000	1	Un Spring	Un Spring
2868100	1	Unnamed Trib To Bois Brule	Unnamed
2868200	1	Trib to Bois Brule River S34-15 (SWSE)	Unnamed
2868300	1	Brule River State Forest Beach #1	Spring Lake
2868300	2	Spring Lake	Spring Lake
2868400	1	Lucius Lake	Lucius Lake
2868600	1	Big Lake	Big Lake
2869000	1	Cedar Island Ponds	Cedar Island Ponds
2869400	1	Mcdougal Springs	McDougal Springs
2869400	2	Mcdougal Springs	McDougal Springs
2869600	1	Blue Springs	Blue Springs
2869900	1	Un Spring	Un Spring
2870400	2	Jerseth Creek	Jerseth Creek
2870600	1	Angel Creek	Angel Creek
2870700	1	West Fork Bois Brule River	West Fork Bois Brule River
2870800	1	Wilson Creek	Wilson Creek
2870800	2	Wilson Creek	Wilson Creek

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2870900	1	East Fork Bois Brule River	East Fork Bois Brule River
2871100	1	Un Spring	Un Spring
2871200	1	Unnamed(T45-R11W-S9-3c)	Unnamed
2871400	1	Beaupre Springs	Beaupre Springs
2871500	3	Fish Creek	Fish Creek
2871500	4	Fish (Oulu) Creek	Fish Creek
3000116	1	Mud Lake	Mud Lake
3000140	1	Local Water	Unnamed
3000141	1	Unnamed Creek	Unnamed
3000142	1	Local Water	Unnamed
3000143	1	UNNAMED TRIBUTARY TO COPPER CREEK	Unnamed
3000143	2	Local Water	Unnamed
3000144	1	Tributary to Bardon Creek	Unnamed
3000146	1	Bois Brule River Trib (22)	Unnamed
3000147	1	Creek 36-3 T47n R11w	Unnamed
3000148	1	Creek 29-11 T47n R10w	Unnamed
3000168	1	Creek 21-9 T47n R10w	Unnamed
3000171	1	Creek 21-8 T47n R10w	Unnamed
3000291	1	Unnamed Stream	Unnamed
3000324	1	Local Water	Unnamed
3000534	1	Unnamed Stream	Unnamed Creek
4000004	1	Spirit Lake	Spirit Lake
4000031	1	Unnamed(T45-R11W-S3-3d)	Unnamed
4000032	1	Unnamed(T46-R10W-S30-12b)	Unnamed
4000033	1	Unnamed (T45-R11W-S4-13a)	Unnamed
5000527	1	Local Water	Unnamed
5000547	1	Unnamed Creek	Unnamed
5000550	1	Unnamed Stream	Unnamed
5000563	1	Local Water	Unnamed
5000615	1	Unnamed Stream	Unnamed
5000652	1	Unnamed Stream	Unnamed
5000661	1	Unnamed Stream	Unnamed
5000663	1	Unnamed Stream	Unnamed
5000670	1	Unnamed Stream	Unnamed
5000682	1	Unnamed Stream	Unnamed

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5000688	1	Unnamed Stream	Unnamed
5000690	1	Unnamed Stream	Unnamed
5000701	1	Unnamed Stream	Unnamed
5000702	1	Unnamed Stream	Unnamed
5000706	1	Unnamed Stream	Unnamed
5000709	1	Local Water	Unnamed
5000710	1	Unnamed Stream	Unnamed
5000717	1	Unnamed Stream	Unnamed
5000731	1	Unamed Stream	Unnamed
5000732	1	Unnamed Stream	Unnamed
5000742	1	Unnamed Stream	Unnamed
5000783	1	Unnamed Stream	Unnamed
5000806	1	Unnamed Stream	Unnamed
5000807	1	Unnamed Stream	Unnamed
5000824	1	Unnamed Stream	Unnamed
5000836	1	Unnamed Stream	Unnamed
5000839	1	Unnamed Stream	Unnamed
5000855	1	Unnamed Stream	Unnamed
5000891	1	Unnamed Stream	Unnamed
5000898	1	Unnamed Stream	Unnamed
5000940	1	Unnamed Stream	Unnamed
5000943	1	Unnamed Stream	Unnamed
5000947	1	Unnamed Stream	Unnamed
5000949	1	Unnamed Stream	Unnamed
5000952	1	Unnamed Stream	Unnamed
5000977	1	Unnamed Stream	Unnamed
5000984	1	Local Water	Unnamed
5000998	1	Unnamed Stream	Unnamed
5001027	1	Unnamed Stream	Unnamed
5001037	1	Unnamed Creek 26-8	Unnamed
5001096	1	Unnamed Stream	Unnamed
5001108	1	Local Water	Unnamed
5001131	1	Unnamed Stream	Unnamed
5001135	1	Unnamed Stream	Unnamed
5001145	1	Unnamed Stream	Unnamed

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5001153	1	Unnamed Stream	Unnamed
5001156	1	Unnamed Stream	Unnamed
5001178	1	Unnamed Stream	Unnamed
5001184	1	Unnamed Stream	Unnamed
5001196	1	Unnamed Stream	Unnamed
5001202	1	Unnamed Stream	Unnamed
5001212	1	Unnamed Stream	Unnamed
5001226	1	Unnamed Stream	Unnamed
5001230	1	Unnamed Stream	Unnamed
5001243	1	Unnamed Stream	Unnamed
5001252	1	Unnamed Stream	Unnamed
5001260	1	Unnamed Stream	Unnamed
5001267	1	Unnamed Stream	Unnamed
5001277	1	Unnamed Stream	Unnamed
5001283	1	Blueberry Creek Tributary (17) (Creek 17-15 T47n R10w)	Unnamed
5001286	1	Unnamed Stream	Unnamed
5001287	1	Unnamed Stream	Unnamed
5001293	1	Unnamed Stream	Unnamed
5001318	1	Unnamed Stream	Unnamed
5001334	1	Creek 17-9 T47n R10w	Unnamed
5001336	1	Unnamed Stream	Unnamed
5001392	1	Unnamed Stream	Unnamed
5001397	1	Unnamed Stream	Unnamed
5001399	1	Unnamed Stream	Unnamed
5001403	1	Unnamed Stream	Unnamed
5001406	1	Unnamed Stream	Unnamed
5001410	1	Unnamed Stream	Unnamed
5001413	1	Local Water	Unnamed
5001415	1	Creek 17-11 T47n R10w	Unnamed
5001435	1	Unnamed Stream	Unnamed
5001458	1	Unnamed Stream	Unnamed
5001474	1	Unnamed Stream	Unnamed
5001480	1	Unnamed Stream	Unnamed
5001488	1	Unnamed Stream	Unnamed
5001495	1	Unnamed Stream	Unnamed

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5001496	1	Unnamed Stream	Unnamed
5001500	1	Unnamed Stream	Unnamed
5001505	1	Unnamed Stream	Unnamed
5001511	1	Unnamed Stream	Unnamed
5001519	1	Unnamed Stream	Unnamed
5001532	1	Unnamed Stream	Unnamed
5001538	1	Unnamed Stream	Unnamed
5001543	1	Unnamed Stream	Unnamed
5001549	1	Unnamed Stream	Unnamed
5001551	1	Unnamed Stream	Unnamed
5001552	1	Unnamed Stream	Unnamed
5001556	1	Local Water	Unnamed
5001564	1	Unnamed Stream	Unnamed
5001568	1	Unnamed Stream	Unnamed
5001569	1	Unnamed Stream	Unnamed
5001573	1	Creek 34-1 T47n R11w	Unnamed
5001574	1	Unnamed Stream	Unnamed
5001579	1	Unnamed Stream	Unnamed
5001584	1	Unnamed Stream	Unnamed
5001585	1	Unnamed Stream	Unnamed
5001587	1	Unnamed Stream	Unnamed
5001590	1	Unnamed Stream	Unnamed
5001591	1	Unnamed Stream	Unnamed
5001595	1	Unnamed Stream	Unnamed
5001601	1	Unnamed Stream	Unnamed
5001602	1	Unnamed Stream	Unnamed
5001605	1	Creek 34-1 T47n R11w	Unnamed
5001608	1	Unnamed Stream	Unnamed
5001619	1	Unnamed Stream	Unnamed
5001624	1	Unnamed Stream	Unnamed
5001638	1	Unnamed Stream	Unnamed
5001639	1	Unnamed Stream	Unnamed
5001642	1	Unnamed Stream	Unnamed
5001647	1	Unnamed Stream	Unnamed
5001655	1	Unnamed Stream	Unnamed

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5001664	1	Unnamed Stream	Unnamed
5001669	1	Unnamed Stream	Unnamed
5001671	1	Unnamed Stream	Unnamed
5001672	1	Unnamed Stream	Unnamed
5001675	1	Unnamed Stream	Unnamed
5001677	1	Unnamed Stream	Unnamed
5001678	1	Unnamed Stream	Unnamed
5001679	1	Unnamed Stream	Unnamed
5001680	1	Unnamed Stream	Unnamed
5001682	1	Unnamed Stream	Unnamed
5001687	1	Unnamed Stream	Unnamed
5001690	1	Unnamed Stream	Unnamed
5001705	1	Unnamed Stream	Unnamed
5001718	1	Unnamed Stream	Unnamed
5001719	1	Unnamed Stream	Unnamed
5001722	1	Unnamed Stream	Unnamed
5001727	1	Unnamed Stream	Unnamed
5001729	1	Unnamed Stream	Unnamed
5001739	1	Unnamed Stream	Unnamed
5001741	1	Unnamed Stream	Unnamed
5001754	1	Unnamed Stream	Unnamed
5001763	1	Unnamed Stream	Unnamed
5001838	1	Local Water	Unnamed
5001871	1	Little Balsam Creek	Unnamed
5001879	1	Unnamed Stream	Unnamed
5001908	1	Unnamed Stream	Unnamed
5001915	1	Unnamed Stream	Unnamed
5001947	1	Unnamed Stream	Unnamed
5001953	1	Unnamed Stream	Unnamed
5001970	1	Unnamed Stream	Unnamed
5001978	1	Unnamed Stream	Unnamed
5002006	1	Unnamed Stream	Unnamed
5002022	1	Unnamed Stream	Unnamed
5002049	1	Unnamed Stream	Unnamed
5002061	1	Unnamed Stream	Unnamed

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5002109	1	Unnamed Stream	Unnamed
5002172	1	Local Water	Unnamed
5002177	1	Unnamed Stream	Unnamed
5002184	1	Unnamed Stream	Unnamed
5002209	1	Local Water	Unnamed
5002230	1	Unnamed Stream	Unnamed
5002238	1	Unnamed Stream	Unnamed
5002241	1	Local Water	Unnamed
5002246	1	Unnamed Stream	Unnamed
5002250	1	Unnamed Stream	Unnamed
5002276	1	Unnamed Stream	Unnamed
5002286	1	Unnamed Stream	Unnamed
5002308	1	Unnamed Stream	Unnamed
5002310	1	Unnamed Stream	Unnamed
5002341	1	Local Water	Unnamed
5002355	1	Unnamed Stream	Unnamed
5002376	1	Local Water	Unnamed
5002404	1	Local Water	Unnamed
5002423	1	Unnamed Stream	Unnamed
5002505	1	Local Water	Unnamed
5500245	1	Local Water	Unnamed
5500247	1	Local Water	Unnamed
5500274	1	Unnamed Water Adjacent to St. Louis River AOC	Unnamed
5500276	1	Local Water	Unnamed
5500280	1	Local Water	Unnamed
5500326	1	Local Water	Unnamed
5500336	1	Duck Pond	Unnamed
5500367	1	Local Water	Unnamed
5500368	1	Local Water	Unnamed
5500390	1	Local Water	Unnamed
5500398	1	Local Water	Unnamed
5500408	1	Local Water	Unnamed
5500416	1	Local Water	Unnamed
5500436	1	Local Water	Unnamed
5500442	1	Unnamed Lake	Unnamed

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5500573	1	Local Water	Unnamed
5500687	1	Local Water	Unnamed
5500743	1	Local Water	Unnamed
5500749	1	Local Water	Unnamed
5500808	1	Local Water	Unnamed
5500871	1	Local Water	Unnamed
5501140	1	Local Water	Unnamed
5501150	1	Local Water	Unnamed
5501171	1	Local Water	Unnamed
5501228	1	Local Water	Unnamed
5501291	1	Local Water	Unnamed
5501300	1	Local Water	Unnamed
5501315	1	Local Water	Unnamed
5501328	1	Local Water	Unnamed
5501367	1	Local Water	Unnamed
5501504	1	Local Water	Unnamed
5501506	1	Local Water	Unnamed
5501524	1	Local Water	Unnamed
5501653	1	Local Water	Unnamed
5501728	1	Local Water	Unnamed
5501772	1	Local Water	Unnamed
5501800	1	Local Water	Unnamed
5501917	1	Local Water	Unnamed
5501926	1	Local Water	Unnamed
5501983	1	Local Water	Unnamed
5502037	1	Local Water	Unnamed
5502057	1	Local Water	Unnamed
5502139	1	Local Water	Unnamed
5502150	1	Local Water	Unnamed
5502152	1	Local Water	Unnamed
5502155	1	Local Water	Unnamed
5502156	1	Local Water	Unnamed
5502192	1	Local Water	Unnamed
5502193	1	Local Water	Unnamed
5502221	1	Local Water	Unnamed

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5502242	1	Local Water	Unnamed
5502253	1	Local Water	Unnamed
5502260	1	Local Water	Unnamed
5502270	1	Local Water	Unnamed
5502320	1	Local Water	Unnamed
5502353	1	Local Water	Unnamed
5502389	1	Local Water	Unnamed
5502394	1	Local Water	Unnamed
5502429	1	Local Water	Unnamed
5502453	1	Local Water	Unnamed
5502465	1	Local Water	Unnamed
5502499	1	Local Water	Unnamed
5502507	1	Local Water	Unnamed
5502513	1	Local Water	Unnamed
5502524	1	Local Water	Unnamed
5502531	1	Local Water	Unnamed
5502589	1	Local Water	Unnamed
5502607	1	Local Water	Unnamed
5502610	1	Local Water	Unnamed
5502621	1	Local Water	Unnamed
5502649	1	Local Water	Unnamed
5502652	1	Local Water	Unnamed
5502657	1	Local Water	Unnamed
5502670	1	Local Water	Unnamed
5502692	1	Local Water	Unnamed
5502700	1	Local Water	Unnamed
5502732	1	Local Water	Unnamed
5502735	1	Local Water	Unnamed
5502780	1	Local Water	Unnamed
5502803	1	Local Water	Unnamed
5502820	1	Local Water	Unnamed
5502830	1	Local Water	Unnamed
5502837	1	Local Water	Unnamed
5502871	1	Local Water	Unnamed
5502890	1	Local Water	Unnamed

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5502923	1	Local Water	Unnamed
5502928	1	Local Water	Unnamed
5502967	1	Local Water	Unnamed
5503114	1	Local Water	Unnamed
5503146	1	Local Water	Unnamed
5503206	1	Local Water	Unnamed
5503222	1	Local Water	Unnamed
5503236	1	Local Water	Unnamed
5503310	1	Local Water	Unnamed
5503487	1	Local Water	Unnamed
5503555	1	Local Water	Unnamed
5503573	1	Local Water	Unnamed
5503698	1	Local Water	Unnamed
5503710	1	Local Water	Unnamed
5503758	1	Local Water	Unnamed
5503858	1	Local Water	Unnamed
5503974	1	Local Water	Unnamed
5504174	1	Local Water	Unnamed
5504266	1	Local Water	Unnamed
5504278	1	Local Water	Unnamed
5504305	1	Local Water	Unnamed
5504426	1	Local Water	Unnamed
5504567	1	Local Water	Unnamed
5504911	1	Local Water	Unnamed
5504938	1	Local Water	Unnamed
5581722	1	Local Water	Unnamed
5582591	1	Local Water	Unnamed
5582692	1	Local Water	Unnamed
5590753	1	Local Water	Unnamed
5590755	1	Local Water	Unnamed
5590762	1	Local Water	Unnamed
5590768	1	Local Water	Unnamed
5590769	1	Local Water	Unnamed
5591154	1	Local Water	Unnamed

Lab Account Codes

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Wisconsin Department of Natural Resources SWIMS Project Summary

Account Code	Description	Start Date	End Date
WT142	303D/TMDL MONITORING	5/3/2011	6/30/2013

Forms

Form Code	Form Name
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Methods

Method Code	Method Description
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Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
6/11/2012 10:00	COMPLETE	LPR-1	10015473	Little Pokegama River- Upstream Hwy 105- Station #1
6/11/2012 12:30	COMPLETE	PR-1	10032640	Pokegama River at Cemetery Rd. South Superior
6/11/2012 12:30	COMPLETE	PR-2	10037303	Pokegama River US of RR Tracks
6/12/2012	COMPLETE	PB-2	10028981	Pokegama Bay - Pokegama River Site-2
6/12/2012 14:00	COMPLETE	RR-2	10037522	Red River (approximately 3/4 mile upstream from mouth)
6/13/2012 10:30	COMPLETE	RR-1	10015468	Red River- Walk In North Of Intersection Of Hwy W And Hwy C-Station #2
6/25/2012 9:15	COMPLETE	PR-1	10037303	Pokegama River US of RR Tracks
6/25/2012 10:00	COMPLETE	RR-1	10015468	Red River- Walk In North Of Intersection Of Hwy W And Hwy C-Station #2
6/25/2012 11:06	COMPLETE	PR-2	10032640	Pokegama River at Cemetery Rd. South Superior
6/25/2012 11:30	COMPLETE	LPR-1	10015473	Little Pokegama River- Upstream Hwy 105- Station #1
6/25/2012 12:30	COMPLETE	PB-1	10028981	Pokegama Bay - Pokegama River Site-2
6/25/2012 13:15	COMPLETE	RR-2	10037522	Red River (approximately 3/4 mile upstream from mouth)
7/23/2012 10:30	COMPLETE	RR-2	10029330	Red River north east of railroad just downstream of stateline
7/23/2012 14:00	COMPLETE	AB-1	10028981	Pokegama Bay - Pokegama River Site-2
7/23/2012 15:00	COMPLETE	PR-1	10032640	Pokegama River at Cemetery Rd. South Superior
7/23/2012 15:00	COMPLETE	RR-1	10037522	Red River (approximately 3/4 mile upstream from mouth)
7/23/2012 15:30	COMPLETE	PR-2	10037303	Pokegama River US of RR Tracks
8/20/2012	COMPLETE	LPR-1	10015473	Little Pokegama River- Upstream Hwy 105- Station #1
8/20/2012	COMPLETE	PB-1	10028981	Pokegama Bay - Pokegama River Site-2
8/20/2012	COMPLETE	PR-CEM	10032640	Pokegama River at Cemetery Rd. South Superior
8/20/2012	COMPLETE	PR-RR	10037303	Pokegama River US of RR Tracks
8/20/2012	COMPLETE	RR-1	10037522	Red River (approximately 3/4 mile upstream from mouth)
8/20/2012	COMPLETE	RR-US	10029330	Red River north east of railroad just downstream of stateline
9/26/2012 10:30	COMPLETE	PR-1	10037303	Pokegama River US of RR Tracks
9/26/2012 11:00	COMPLETE	RR-1	10015468	Red River- Walk In North Of Intersection Of Hwy W And Hwy C-Station #2

Wisconsin Department of Natural Resources
SWIMS Project Summary

9/26/2012 13:30	COMPLETE	PB-1	10028981	Pokegama Bay - Pokegama River Site-2
9/26/2012 14:30	COMPLETE	RR-2	10037522	Red River (approximately 3/4 mile upstream from mouth)
9/26/2012 15:00	COMPLETE	PR-1	10032640	Pokegama River at Cemetery Rd. South Superior
9/26/2012 15:15	COMPLETE	LPR	10015473	Little Pokegama River- Upstream Hwy 105- Station #1
10/22/2012	COMPLETE	LPR	10015473	Little Pokegama River- Upstream Hwy 105- Station #1
10/22/2012	COMPLETE	PR-CEM	10032640	Pokegama River at Cemetery Rd. South Superior
10/22/2012	COMPLETE	PR-RR	10037303	Pokegama River US of RR Tracks
10/22/2012	COMPLETE	RR-DS	10037522	Red River (approximately 3/4 mile upstream from mouth)
10/23/2012	COMPLETE	PB-1	10028981	Pokegama Bay - Pokegama River Site-2
10/23/2012	COMPLETE	RR-US	10015468	Red River- Walk In North Of Intersection Of Hwy W And Hwy C-Station #2

Documents

Title	Description	Author	Published	Comments
Pokegama Project Summary	Autogenerated Summary	Helmuth, Lisa	4/3/2014	
Pokegama, Little Pokegama, and Red Rivers Water Quality Assessment and 303d Listing Determination		Jason Hayes	4/2/2014	

Budget

Wisconsin Department of Natural Resources
SWIMS Project Summary

Budget Description: Phase 2			Start Date: 1/1/2013	End Date: 6/30/2013
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Code	Description	Quantity	Units	Unit Cost	Total Cost	Comments
FTE	FTE Hours		Hours	\$0.00	\$0.00	
LTE SAL	LTE Salary	40	Hours	\$13.00	\$520.00	Re-deploy Temp loggers that were lost in flood and finish habitats
LTE FR	LTE Fringe				\$128.44	
LTE IND	LTE Indirect				\$104.85	
LTE TOT	LTE Total Cost				\$753.29	
SUPPLY	Supplies				\$0.00	
EQUIP	Equipment				\$0.00	
MILEAGE	Mileage	60	Miles	\$0.72	\$43.20	
MEAL	Meals	4	Meals	\$9.00	\$36.00	
LODGE	Lodging				\$0.00	
TRAVEL	Travel Total				\$79.20	
BUG	Bug Contracts				\$0.00	
OTHER	Other Contracts				\$0.00	
USGS	USGS Costs				\$0.00	
TOTAL	Total Cost (excludes SLOH)				\$832.49	

Total WSLH Lab Costs: \$0.00
Total Budget: \$832.49

Wisconsin Department of Natural Resources
SWIMS Project Summary

Budget Description: Phase 3			Start Date: 7/1/2013	End Date: 12/31/2013
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Code	Description	Quantity	Units	Unit Cost	Total Cost	Comments
FTE	FTE Hours		Hours	\$0.00	\$0.00	
LTE SAL	LTE Salary	60	Hours	\$13.00	\$780.00	Collect temp. logger, upload to swims. Finish report with bug data and temp data
LTE FR	LTE Fringe				\$192.66	
LTE IND	LTE Indirect				\$157.28	
LTE TOT	LTE Total Cost				\$1,129.94	
SUPPLY	Supplies				\$0.00	
EQUIP	Equipment				\$0.00	
MILEAGE	Mileage	60	Miles	\$0.72	\$43.20	
MEAL	Meals	2	Meals	\$9.00	\$18.00	
LODGE	Lodging				\$0.00	
TRAVEL	Travel Total				\$61.20	
BUG	Bug Contracts				\$0.00	
OTHER	Other Contracts				\$0.00	
USGS	USGS Costs				\$0.00	
TOTAL	Total Cost (excludes SLOH)				\$1,191.14	

Total WSLH Lab Costs: \$0.00

Total Budget: \$1,191.14

Combined Budgets: \$2,023.63

Combined WSLH: \$0.00

Combined Total: \$2,023.63

Funding					
Organization	Source	Type	Amount	Start Date	End Date