

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: WCR_03_CMP13 ATTAINS

Name: Big Eau Pleine TMDL Monitoring 2012-2013

Type: TMDL/303d Projects

Subtype: Refine Load Estimates

Status: FINAL_RPT

Start Date: 07/01/2012

End Date: 12/31/2012

Purpose: This project consists of multi-phased intensive sampling effort that utilizes an already developed partnership between, WDNR, Wisconsin Valley Improvement Company (WVIC) and a Citizen Based Monitor (CBM). WDNR will be responsible for obtaining roughly 1/3 of the samples while the other partners will obtain the remainder. Sampling started in October 09 with tributary monitoring at four locations (three tribs and one outflow) which will continue through September 2013. Trib monitoring: The Big Eau Pleine River is the major tributary to the flowage and has an established gauging station funding with assistance with WVIC. Two additional gauges were installed on Fenwood and Freeman Creeks and funding is needed to continue their operation through September 2013. A CBM volunteer continues to collect samples the last week of each month from the tributaries while DNR collects samples the second week of each month. Lake sampling: Additional funding is needed to continue lake sampling for the project from July 2012 into 2013. CBM's may be used to gather secchi data over the same period also. DO/Temp/pH/Cond profiles will be conducted at the three sampling points on the lake.

Objective: The Big Eau Pleine flowage has a well documented history of eutrophic water quality conditions as a result of phosphorus loading from the watershed. In addition, low dissolved oxygen concentrations are documented during the winter. These problems are a result of agricultural runoff from the watershed. Moreover, the Marathon County Land and Water Conservation Department (LWCD) has been working with local farmers to control runoff but more quantification from specific areas is needed. The finished product, a TMDL, will provide all cooperating partners with a valuable tool for land management.

The Big Eau Pleine is an immensely popular fishing destination for anglers across the state. A noted walleye, bass, pike, musky and panfish population draws anglers of all ages and sports clubs to the area. Many other nonangling citizens use the flowage as a destination for vacations.

Finally, this flowage suffers from major algal blooms due to vast nutrient loading. Because of the algal blooms there are large diurnal fluctuations of dissolved oxygen and pH. These values often exceed water quality standards and are responsible for the 303D listing.

Comments: This is a continuing TMDL project.

Outcome: There are three tributary sites, 1 outflow site and 4 intake sites. This project will fund 6 monthly sampling events for three tributary sites and 12 biweekly events for one outflow site. The flowage will be sampled 9 times during the growing season. Data will be entered into SWIMS automatically after lab analysis is complete. A final TMDL report will be completed after all monitoring is complete. It should be noted that monitoring will continue through September 2013.

Study Design:

QA Measures:

People

Name	Role	Status	Start Date	End Date	Organization	Comments
HAZUGA, MARK J	COORDINATOR	COMPLETE	01/06/2012	12/31/2013	Wisconsin DNR	
HIREKATUR, ANN D	COORDINATOR	ACTIVE	10/04/2012		Wisconsin DNR	
JACOBSON, MATTHEW J	TEAM_MEMBER	ACTIVE	01/06/2012	12/31/2013	Wisconsin DNR	
OLDENBURG, PATRICK S	COORDINATOR	COMPLETE	01/06/2012	12/31/2013	Wisconsin DNR	
Provost, Scott M	TEAM_MEMBER	COMPLETE	07/02/2012	12/31/2013		
SCHEUNEMANN, ADAM T	TEAM_MEMBER	ACTIVE	01/15/2014		Wisconsin DNR	
WILLGER, CHRISTOPHER J	TEAM_MEMBER	INACTIVE	01/06/2012	12/31/2013	Wisconsin DNR	

Project Statuses

Date	Reported By	Status	Comments
03/15/2012	MARK HAZUGA	Proposed	

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Date	Reported By	Status	Comments
08/28/2012	MARK HAZUGA	Progress: 25-50% Complete	Monthly water chemistry samples have been collected and will continue through 2012. Flowage sampling will be completed in September.
01/25/2013	MARK HAZUGA	Progress: 75-100% Complete	Flowage monitoring has been completed as planned and data is automatically uploaded to SWIMS. Flowage monitoring will resume in May and continue through the fiscal year into September of 2013
			Tributary sampling will continue 2x a month through the fiscal year and into September of 2013. A final TMDL report will be completed when monitoring and modeling are complete.

Actions

Action	Detailed Description	Start	End Date	Status
TMDL Monitoring	Continued monitoring for TMDL development. The Big Eau Pleine flowage has a well documented history of eutrophic water quality conditions as a result of phosphorus loading from the watershed. In addition, low dissolved oxygen concentrations are documented during the winter. These problems are a result of agricultural runoff from the watershed.	07/02/2012	12/31/2013	PROPOSED

Monitoring Stations

Station ID	Name	Comments
373135	Big Eau Pleine Reservoir - Lower	
10007758	Big Eau Pleine Reservoir - Main Channel River Mile 3	
373136	Big Eau Pleine Reservoir - Middle	
373137	Big Eau Pleine Reservoir - Upper	
10030620	Big Eau Pleine River - Tailwater below Big Eau Pleine Dam	
373325	Big Eau Pleine River at Sth 97 Bridge	
373366	Fenwood Creek at Hwy 153	
373411	Freeman Creek at Sugar Bush Rd	

Assessment Units

WBIC	Segment	Local Name	Official Name
1412200	2	Lake Du Bay	Lake Du Bay
1427200	2	Big Eau Pleine River	Big Eau Pleine River
1427200	4	Big Eau Pleine River	Big Eau Pleine River
1427400	1	Big Eau Pleine Flowage	Big Eau Pleine Reservoir
1427400	2	Big Eau Pleine Reservoir	Big Eau Pleine Reservoir
1427700	1	Freeman Creek	Freeman Creek
1427700	2	Freeman Creek	Freeman Creek
1428700	1	Fenwood Creek	Fenwood Creek
1428700	2	Fenwood Creek	Fenwood Creek

Lab Account Codes

Account Code	Description	Start Date	End Date
WT156	BIG EAU PLEINE TMDL MONITORING	07/01/2012	06/30/2013
WT156	BIG EAU PLEINE TMDL MONITORING	05/03/2012	06/30/2013

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Account Code	Description	Start Date	End Date
WT173	BIG EAU PLEINE TMDL MONITORING	07/01/2013	12/30/2013

Forms

Form Code	Form Name
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Methods

Method Code	Description
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Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
08/14/2000 10:00	COMPLETE	22	373137	Big Eau Pleine Reservoir - Upper
01/18/2006 09:17	COMPLETE	BEP3	373135	Big Eau Pleine Reservoir - Lower
04/13/2010	COMPLETE		373135	Big Eau Pleine Reservoir - Lower
07/02/2012 12:00	COMPLETE	BEP4	373137	Big Eau Pleine Reservoir - Upper
07/02/2012 12:00	COMPLETE	BEP4	373137	Big Eau Pleine Reservoir - Upper
07/02/2012 12:35	COMPLETE	BEP3	373136	Big Eau Pleine Reservoir - Middle
07/02/2012 13:00	COMPLETE	BEP2	10007758	Big Eau Pleine Reservoir - Main Channel River Mile 3
07/16/2012 09:45	COMPLETE	WVIC-33	373137	Big Eau Pleine Reservoir - Upper
07/16/2012 09:45	COMPLETE	WVIC-33(BOT)	373137	Big Eau Pleine Reservoir - Upper
07/16/2012 11:03	COMPLETE	WVIC-35	10007758	Big Eau Pleine Reservoir - Main Channel River Mile 3
07/16/2012 11:03	COMPLETE	WVIC-35(BOT)	10007758	Big Eau Pleine Reservoir - Main Channel River Mile 3
07/16/2012 11:30	COMPLETE	WVIC-36	373136	Big Eau Pleine Reservoir - Middle
07/16/2012 11:30	COMPLETE	WVIC-36(BOT)	373136	Big Eau Pleine Reservoir - Middle
07/17/2012	COMPLETE	BEP	373325	Big Eau Pleine River at Sth 97 Bridge
07/17/2012	COMPLETE	FRC	373411	Freeman Creek at Sugar Bush Rd
07/17/2012 13:00	COMPLETE	BFO	10030620	Big Eau Pleine River - Tailwater below Big Eau Pleine Dam
07/17/2012 13:45	COMPLETE	FWC	373366	Fenwood Creek at Hwy 153
07/31/2012 17:15	COMPLETE	BEO	10030620	Big Eau Pleine River - Tailwater below Big Eau Pleine Dam
08/01/2012 11:00	COMPLETE	BEP4	373137	Big Eau Pleine Reservoir - Upper
08/01/2012 11:00	COMPLETE	BEP4-BOTTOM	373137	Big Eau Pleine Reservoir - Upper
08/01/2012 11:25	COMPLETE	BEP3	373136	Big Eau Pleine Reservoir - Middle
08/01/2012 11:25	COMPLETE	BEP3-BOTTOM	373136	Big Eau Pleine Reservoir - Middle
08/01/2012 12:10	COMPLETE	BEP2	10007758	Big Eau Pleine Reservoir - Main Channel River Mile 3
08/01/2012 12:10	COMPLETE	BEP2-BOTTOM	10007758	Big Eau Pleine Reservoir - Main Channel River Mile 3
08/07/2012 13:00	COMPLETE	BEP	373325	Big Eau Pleine River at Sth 97 Bridge
08/07/2012 13:21	COMPLETE	FWC	373366	Fenwood Creek at Hwy 153
08/07/2012 13:39	COMPLETE	FRC	373411	Freeman Creek at Sugar Bush Rd
08/07/2012 14:00	COMPLETE	BFO	10030620	Big Eau Pleine River - Tailwater below Big Eau Pleine Dam
08/13/2012 09:00	COMPLETE	WVIC-27(BOTTOM)	373137	Big Eau Pleine Reservoir - Upper
08/13/2012 09:00	COMPLETE	WVIC-27(SURFACE)	373137	Big Eau Pleine Reservoir - Upper
08/13/2012 09:25	COMPLETE	WVIC-28(BOTTOM)	373136	Big Eau Pleine Reservoir - Middle
08/13/2012 09:25	COMPLETE	WVIC-28(SURFACE)	373136	Big Eau Pleine Reservoir - Middle
08/13/2012 10:00	COMPLETE	WVIC-29(BOTTOM)	10007758	Big Eau Pleine Reservoir - Main Channel River Mile 3
08/13/2012 10:00	COMPLETE	WVIC-29(SURFACE)	10007758	Big Eau Pleine Reservoir - Main Channel River Mile 3
09/04/2012 16:00	COMPLETE	BEP	10030620	Big Eau Pleine River - Tailwater below Big Eau Pleine Dam
09/05/2012 10:35	COMPLETE	BEP4	373137	Big Eau Pleine Reservoir - Upper
09/05/2012 11:12	COMPLETE	BEP3	373136	Big Eau Pleine Reservoir - Middle

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Start Date	Status	Field ID	Station ID	Station Name
09/05/2012 11:38	COMPLETE	BEP2	10007758	Big Eau Pleine Reservoir - Main Channel River Mile 3
09/05/2012 11:50	COMPLETE	BEP2-BOTTOM BEF	10007758	Big Eau Pleine Reservoir - Main Channel River Mile 3
09/18/2012 10:25	COMPLETE	BEP3	373136	Big Eau Pleine Reservoir - Middle
09/18/2012 10:50	COMPLETE	BEP2	10007758	Big Eau Pleine Reservoir - Main Channel River Mile 3
09/19/2012 09:25	COMPLETE	BEP4	373137	Big Eau Pleine Reservoir - Upper
09/26/2012	COMPLETE	BEP	10030620	Big Eau Pleine River - Tailwater below Big Eau Pleine Dam
10/10/2012 08:30	COMPLETE	BEPO	10030620	Big Eau Pleine River - Tailwater below Big Eau Pleine Dam
10/10/2012 09:00	COMPLETE	FRM	373411	Freeman Creek at Sugar Bush Rd
10/10/2012 09:30	COMPLETE	FEN	373366	Fenwood Creek at Hwy 153
10/10/2012 09:53	COMPLETE	BS97	373325	Big Eau Pleine River at Sth 97 Bridge
11/07/2012 12:30	COMPLETE	BEP	10030620	Big Eau Pleine River - Tailwater below Big Eau Pleine Dam
11/07/2012 13:30	COMPLETE	FRC	373411	Freeman Creek at Sugar Bush Rd
11/07/2012 13:50	COMPLETE	FWC	373366	Fenwood Creek at Hwy 153
11/07/2012 14:15	COMPLETE	B97	373325	Big Eau Pleine River at Sth 97 Bridge
11/28/2012	COMPLETE	BFO	10030620	Big Eau Pleine River - Tailwater below Big Eau Pleine Dam
12/06/2012 09:16	COMPLETE	BEP	373325	Big Eau Pleine River at Sth 97 Bridge
12/06/2012 09:37	COMPLETE	FWC	373366	Fenwood Creek at Hwy 153
12/06/2012 09:54	COMPLETE	FRC	373411	Freeman Creek at Sugar Bush Rd
12/06/2012 10:24	COMPLETE	BFO	10030620	Big Eau Pleine River - Tailwater below Big Eau Pleine Dam
12/16/2012 11:30	COMPLETE	BFO	10030620	Big Eau Pleine River - Tailwater below Big Eau Pleine Dam
01/03/2013 10:05	COMPLETE	FWC	373366	Fenwood Creek at Hwy 153
01/03/2013 10:30	COMPLETE	BEP	373325	Big Eau Pleine River at Sth 97 Bridge
01/03/2013 10:55	COMPLETE	FRE	373411	Freeman Creek at Sugar Bush Rd
01/03/2013 11:26	COMPLETE	BFO	10030620	Big Eau Pleine River - Tailwater below Big Eau Pleine Dam
01/23/2013 11:00	COMPLETE	BFO	10030620	Big Eau Pleine River - Tailwater below Big Eau Pleine Dam
02/04/2013 10:40	COMPLETE	BEP	373325	Big Eau Pleine River at Sth 97 Bridge
02/04/2013 11:10	COMPLETE	FWC	373366	Fenwood Creek at Hwy 153
02/04/2013 11:40	COMPLETE	FRC	373411	Freeman Creek at Sugar Bush Rd
02/04/2013 12:06	COMPLETE	BFO	10030620	Big Eau Pleine River - Tailwater below Big Eau Pleine Dam
02/20/2013 11:00	COMPLETE	BFO	10030620	Big Eau Pleine River - Tailwater below Big Eau Pleine Dam
03/14/2013 09:25	COMPLETE	BEP	373325	Big Eau Pleine River at Sth 97 Bridge
03/14/2013 10:00	COMPLETE	FWC	373366	Fenwood Creek at Hwy 153
03/14/2013 10:30	COMPLETE	FRC	373411	Freeman Creek at Sugar Bush Rd
03/14/2013 11:00	COMPLETE	BFO	10030620	Big Eau Pleine River - Tailwater below Big Eau Pleine Dam
03/25/2013 10:30	COMPLETE	BFO	10030620	Big Eau Pleine River - Tailwater below Big Eau Pleine Dam
03/28/2013 10:30	COMPLETE	BEP	373325	Big Eau Pleine River at Sth 97 Bridge
04/08/2013 11:30	COMPLETE	BEP	373325	Big Eau Pleine River at Sth 97 Bridge
04/08/2013 12:00	COMPLETE	FWC	373366	Fenwood Creek at Hwy 153
04/08/2013 12:30	COMPLETE	FRC	373411	Freeman Creek at Sugar Bush Rd
04/08/2013 13:00	COMPLETE	BFO	10030620	Big Eau Pleine River - Tailwater below Big Eau Pleine Dam
04/22/2013 14:00	COMPLETE	BFO	10030620	Big Eau Pleine River - Tailwater below Big Eau Pleine Dam
05/06/2013 10:45	COMPLETE	BFO	10030620	Big Eau Pleine River - Tailwater below Big Eau Pleine Dam
05/06/2013 11:00	COMPLETE	FRE	373411	Freeman Creek at Sugar Bush Rd
05/06/2013 11:15	COMPLETE	FWC	373366	Fenwood Creek at Hwy 153
05/06/2013 11:30	COMPLETE	BEP	373325	Big Eau Pleine River at Sth 97 Bridge
05/15/2013 12:15	COMPLETE	BEP4	373137	Big Eau Pleine Reservoir - Upper
05/15/2013 12:15	COMPLETE		373137	Big Eau Pleine Reservoir - Upper
05/15/2013 12:20	COMPLETE	BEP4B	373137	Big Eau Pleine Reservoir - Upper

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Start Date	Status	Field ID	Station ID	Station Name
05/15/2013 12:40	COMPLETE		373136	Big Eau Pleine Reservoir - Middle
05/15/2013 12:45	COMPLETE	BEP3	373136	Big Eau Pleine Reservoir - Middle
05/15/2013 12:50	COMPLETE	BEP3B	373136	Big Eau Pleine Reservoir - Middle
05/15/2013 13:00	COMPLETE		10007758	Big Eau Pleine Reservoir - Main Channel River Mile 3
05/15/2013 13:10	COMPLETE	BEP2	10007758	Big Eau Pleine Reservoir - Main Channel River Mile 3
05/15/2013 13:20	COMPLETE	BEP2B	10007758	Big Eau Pleine Reservoir - Main Channel River Mile 3
05/15/2013 13:25	COMPLETE		373135	Big Eau Pleine Reservoir - Lower
05/15/2013 13:45	COMPLETE	BEP1	373135	Big Eau Pleine Reservoir - Lower
05/15/2013 13:50	COMPLETE	BEP1B	373135	Big Eau Pleine Reservoir - Lower
05/20/2013 12:45	COMPLETE	BFO	10030620	Big Eau Pleine River - Tailwater below Big Eau Pleine Dam
05/30/2013 10:30	COMPLETE	BEP4	373137	Big Eau Pleine Reservoir - Upper
05/30/2013 10:30	COMPLETE		373137	Big Eau Pleine Reservoir - Upper
05/30/2013 10:35	COMPLETE	BEP4B	373137	Big Eau Pleine Reservoir - Upper
05/30/2013 10:55	COMPLETE	BEP3	373136	Big Eau Pleine Reservoir - Middle
05/30/2013 10:55	COMPLETE		373136	Big Eau Pleine Reservoir - Middle
05/30/2013 11:05	COMPLETE	BEP3B	373136	Big Eau Pleine Reservoir - Middle
05/30/2013 11:20	COMPLETE		10007758	Big Eau Pleine Reservoir - Main Channel River Mile 3
05/30/2013 11:25	COMPLETE	BEP2	10007758	Big Eau Pleine Reservoir - Main Channel River Mile 3
05/30/2013 11:30	COMPLETE	BEP2B	10007758	Big Eau Pleine Reservoir - Main Channel River Mile 3
05/30/2013 11:40	COMPLETE		373135	Big Eau Pleine Reservoir - Lower
05/30/2013 11:45	COMPLETE	BEP1	373135	Big Eau Pleine Reservoir - Lower
05/30/2013 11:55	COMPLETE	BEP1B	373135	Big Eau Pleine Reservoir - Lower
06/10/2013 10:40	COMPLETE		373135	Big Eau Pleine Reservoir - Lower
06/10/2013 10:45	COMPLETE	BEP1	373135	Big Eau Pleine Reservoir - Lower
06/10/2013 10:55	COMPLETE	BEP1B	373135	Big Eau Pleine Reservoir - Lower
06/10/2013 11:00	COMPLETE		10007758	Big Eau Pleine Reservoir - Main Channel River Mile 3
06/10/2013 11:10	COMPLETE	BEP2	10007758	Big Eau Pleine Reservoir - Main Channel River Mile 3
06/10/2013 11:20	COMPLETE	BEP2B	10007758	Big Eau Pleine Reservoir - Main Channel River Mile 3
06/10/2013 11:30	COMPLETE	BEP3	373136	Big Eau Pleine Reservoir - Middle
06/10/2013 11:30	COMPLETE		373136	Big Eau Pleine Reservoir - Middle
06/10/2013 11:40	COMPLETE	BEP3B	373136	Big Eau Pleine Reservoir - Middle
06/10/2013 11:55	COMPLETE		373137	Big Eau Pleine Reservoir - Upper
06/10/2013 12:00	COMPLETE	BEP	373325	Big Eau Pleine River at Sth 97 Bridge
06/10/2013 12:00	COMPLETE	BEP4	373137	Big Eau Pleine Reservoir - Upper
06/10/2013 12:10	COMPLETE	BEP4B	373137	Big Eau Pleine Reservoir - Upper
06/10/2013 12:20	COMPLETE	FWC	373366	Fenwood Creek at Hwy 153
06/10/2013 13:00	COMPLETE	FRC	373411	Freeman Creek at Sugar Bush Rd
06/10/2013 13:30	COMPLETE	BFO	10030620	Big Eau Pleine River - Tailwater below Big Eau Pleine Dam
06/25/2013	COMPLETE	BEP4	373137	Big Eau Pleine Reservoir - Upper
06/25/2013	COMPLETE	BEP4B	373137	Big Eau Pleine Reservoir - Upper
06/25/2013 09:55	COMPLETE		373135	Big Eau Pleine Reservoir - Lower
06/25/2013 10:00	COMPLETE	BFO	10030620	Big Eau Pleine River - Tailwater below Big Eau Pleine Dam
06/25/2013 10:06	COMPLETE	BEP1	373135	Big Eau Pleine Reservoir - Lower
06/25/2013 10:06	COMPLETE	BEP1B	373135	Big Eau Pleine Reservoir - Lower
06/25/2013 10:15	COMPLETE		10007758	Big Eau Pleine Reservoir - Main Channel River Mile 3
06/25/2013 10:20	COMPLETE	BEP2	10007758	Big Eau Pleine Reservoir - Main Channel River Mile 3
06/25/2013 10:40	COMPLETE		373136	Big Eau Pleine Reservoir - Middle
06/25/2013 10:45	COMPLETE	BEP3	373136	Big Eau Pleine Reservoir - Middle

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Start Date	Status	Field ID	Station ID	Station Name
06/25/2013 10:45	COMPLETE	BEP3B	373136	Big Eau Pleine Reservoir - Middle
06/25/2013 11:05	COMPLETE		373137	Big Eau Pleine Reservoir - Upper
07/09/2013	COMPLETE		373136	Big Eau Pleine Reservoir - Middle
07/09/2013	COMPLETE		373137	Big Eau Pleine Reservoir - Upper
07/09/2013	COMPLETE		10007758	Big Eau Pleine Reservoir - Main Channel River Mile 3
07/09/2013	COMPLETE		373135	Big Eau Pleine Reservoir - Lower
07/09/2013 09:50	COMPLETE	BEP1	373135	Big Eau Pleine Reservoir - Lower
07/09/2013 10:00	COMPLETE	BEP1B	373135	Big Eau Pleine Reservoir - Lower
07/09/2013 10:30	COMPLETE	BEP2	10007758	Big Eau Pleine Reservoir - Main Channel River Mile 3
07/09/2013 10:40	COMPLETE	BEP2B	10007758	Big Eau Pleine Reservoir - Main Channel River Mile 3
07/09/2013 11:10	COMPLETE	BEP4	373137	Big Eau Pleine Reservoir - Upper
07/09/2013 11:15	COMPLETE	BEP4B	373137	Big Eau Pleine Reservoir - Upper
07/09/2013 11:30	COMPLETE	BEP3	373136	Big Eau Pleine Reservoir - Middle
07/09/2013 11:35	COMPLETE	BEP3B	373136	Big Eau Pleine Reservoir - Middle
07/10/2013 10:15	COMPLETE	BEP	373325	Big Eau Pleine River at Sth 97 Bridge
07/10/2013 10:30	COMPLETE	FWC	373366	Fenwood Creek at Hwy 153
07/10/2013 11:00	COMPLETE	FRC	373411	Freeman Creek at Sugar Bush Rd
07/10/2013 11:18	COMPLETE	BF0	10030620	Big Eau Pleine River - Tailwater below Big Eau Pleine Dam
07/23/2013	COMPLETE		10007758	Big Eau Pleine Reservoir - Main Channel River Mile 3
07/23/2013 12:00	COMPLETE	BEP3	373136	Big Eau Pleine Reservoir - Middle
07/23/2013 12:00	COMPLETE	BEP3B	373136	Big Eau Pleine Reservoir - Middle
07/23/2013 12:30	COMPLETE	BEP4	373137	Big Eau Pleine Reservoir - Upper
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07/23/2013 13:00	COMPLETE	BEP2	10007758	Big Eau Pleine Reservoir - Main Channel River Mile 3
07/23/2013 13:00	COMPLETE	BEP2B	10007758	Big Eau Pleine Reservoir - Main Channel River Mile 3
07/23/2013 13:30	COMPLETE	BEP1	373135	Big Eau Pleine Reservoir - Lower
07/23/2013 13:30	COMPLETE	BEP1B	373135	Big Eau Pleine Reservoir - Lower
07/23/2013 14:21	COMPLETE	BFO	10030620	Big Eau Pleine River - Tailwater below Big Eau Pleine Dam
08/07/2013 09:40	COMPLETE	BEP4	373137	Big Eau Pleine Reservoir - Upper
08/07/2013 09:45	COMPLETE	BEP4B	373137	Big Eau Pleine Reservoir - Upper
08/07/2013 10:10	COMPLETE	BEP3	373136	Big Eau Pleine Reservoir - Middle
08/07/2013 10:15	COMPLETE	BEP3B	373136	Big Eau Pleine Reservoir - Middle
08/07/2013 10:40	COMPLETE	BEP2	10007758	Big Eau Pleine Reservoir - Main Channel River Mile 3
08/07/2013 10:45	COMPLETE	BEP2B	10007758	Big Eau Pleine Reservoir - Main Channel River Mile 3
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08/27/2013 11:00	COMPLETE		373135	Big Eau Pleine Reservoir - Lower

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08/29/2013 08:59	COMPLETE	BEP3	373136	Big Eau Pleine Reservoir - Middle
08/29/2013 08:59	COMPLETE	BEP3B	373136	Big Eau Pleine Reservoir - Middle
09/10/2013 09:45	COMPLETE	BEP	373325	Big Eau Pleine River at Sth 97 Bridge
09/10/2013 10:10	COMPLETE	FWC	373366	Fenwood Creek at Hwy 153
09/10/2013 10:30	COMPLETE	FRC	373411	Freeman Creek at Sugar Bush Rd
09/10/2013 10:50	COMPLETE	BFO	10030620	Big Eau Pleine River - Tailwater below Big Eau Pleine Dam
09/11/2013	COMPLETE		373136	Big Eau Pleine Reservoir - Middle
09/11/2013	COMPLETE		373137	Big Eau Pleine Reservoir - Upper
09/11/2013	COMPLETE		10007758	Big Eau Pleine Reservoir - Main Channel River Mile 3
09/11/2013	COMPLETE		373135	Big Eau Pleine Reservoir - Lower
09/11/2013 10:00	COMPLETE	BEP4	373137	Big Eau Pleine Reservoir - Upper
09/11/2013 10:00	COMPLETE	BEP4B	373137	Big Eau Pleine Reservoir - Upper
09/11/2013 10:25	COMPLETE	BEP3	373136	Big Eau Pleine Reservoir - Middle
09/11/2013 10:25	COMPLETE	BEP3B	373136	Big Eau Pleine Reservoir - Middle
09/11/2013 10:40	COMPLETE	BEP2	10007758	Big Eau Pleine Reservoir - Main Channel River Mile 3
09/11/2013 10:45	COMPLETE	BEP2B	10007758	Big Eau Pleine Reservoir - Main Channel River Mile 3
09/11/2013 11:00	COMPLETE	BEP1	373135	Big Eau Pleine Reservoir - Lower
09/11/2013 11:00	COMPLETE	BEP1B	373135	Big Eau Pleine Reservoir - Lower
09/30/2013	COMPLETE	BFO	10030620	Big Eau Pleine River - Tailwater below Big Eau Pleine Dam
09/30/2013	COMPLETE		373136	Big Eau Pleine Reservoir - Middle
09/30/2013 10:00	COMPLETE	BEP4	373137	Big Eau Pleine Reservoir - Upper
09/30/2013 10:05	COMPLETE	BEP4B	373137	Big Eau Pleine Reservoir - Upper
09/30/2013 11:00	COMPLETE	BEP3	373136	Big Eau Pleine Reservoir - Middle
09/30/2013 11:00	COMPLETE	BEP3B	373136	Big Eau Pleine Reservoir - Middle
09/30/2013 11:20	COMPLETE	BEP2	10007758	Big Eau Pleine Reservoir - Main Channel River Mile 3
09/30/2013 11:25	COMPLETE	BEP2B	10007758	Big Eau Pleine Reservoir - Main Channel River Mile 3
09/30/2013 11:45	COMPLETE	BEP1	373135	Big Eau Pleine Reservoir - Lower
09/30/2013 12:00	COMPLETE	BEP1B	373135	Big Eau Pleine Reservoir - Lower
10/08/2013 09:20	COMPLETE	FWC	373366	Fenwood Creek at Hwy 153
10/08/2013 11:10	COMPLETE	BEP	373325	Big Eau Pleine River at Sth 97 Bridge
10/08/2013 12:30	COMPLETE	FRC	373411	Freeman Creek at Sugar Bush Rd
10/08/2013 13:40	COMPLETE	BFO	10030620	Big Eau Pleine River - Tailwater below Big Eau Pleine Dam
10/28/2013 11:45	COMPLETE	BEP	373325	Big Eau Pleine River at Sth 97 Bridge
10/28/2013 12:15	COMPLETE	FWC	373366	Fenwood Creek at Hwy 153
10/28/2013 12:30	COMPLETE	FRC	373411	Freeman Creek at Sugar Bush Rd
10/28/2013 13:00	COMPLETE	BFO	10030620	Big Eau Pleine River - Tailwater below Big Eau Pleine Dam
11/13/2013 11:30	COMPLETE	BEP	373325	Big Eau Pleine River at Sth 97 Bridge
11/13/2013 12:15	COMPLETE	FWC	373366	Fenwood Creek at Hwy 153
11/13/2013 12:30	COMPLETE	FRC	373411	Freeman Creek at Sugar Bush Rd
11/13/2013 13:00	COMPLETE	BFO	10030620	Big Eau Pleine River - Tailwater below Big Eau Pleine Dam
11/25/2013 12:15	COMPLETE	BEP	373325	Big Eau Pleine River at Sth 97 Bridge
11/25/2013 13:00	COMPLETE	FWC	373366	Fenwood Creek at Hwy 153
11/25/2013 13:25	COMPLETE	FRC	373411	Freeman Creek at Sugar Bush Rd
11/25/2013 13:45	COMPLETE	BFO	10030620	Big Eau Pleine River - Tailwater below Big Eau Pleine Dam

Documents

Title	Description	Author	Published	Comments
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Wisconsin Department of Natural Resources SWIMS Project Summary

Budget

Budget Description:Big Eau Pleine TMDL Monitoring 2012

Start Date: 07/02/2012

End Date: 12/31/2012

Code	Description	Quantity	Units	Unit Cost	Total Cost	Comments
FTE	FTE Hours	80	Hours	\$0.00	\$0.00	
LTE SAL	LTE Salary	130	Hours	\$13.00	\$1,690.00	
LTE FR	LTE Fringe				\$417.43	
LTE IND	LTE Indirect				\$340.77	
LTE TOT	LTE Total Cost				\$2,448.20	
SUPPLY	Supplies	1		\$150.00	\$150.00	postage
EQUIP	Equipment				\$0.00	
MILEAGE	Mileage	2000	Miles	\$0.72	\$1,440.00	
MEAL	Meals	12	Meals	\$9.00	\$108.00	
LODGE	Lodging				\$0.00	
TRAVEL	Travel Total				\$1,548.00	
BUG	Bug Contracts				\$0.00	
OTHER	Other Contracts				\$0.00	
USGS	USGS Costs	2		\$8,625.00	\$17,250.00	The cost is for USGS to maintain two streamflow gages for 15 months (July 2012 through September 2013)
TOTAL	Total Cost (excludes SLOH)				\$21,396.20	

Test Code	Description	Test Group	# Planned	Unit Cost	Total Cost
I251UNL	CHLOROPHYLL A, FLUORESCENCE (EPA 445.00)	INORGANIC CHEMISTRY	22	\$24.52	\$539.44
I440NLD	AMMONIA (AS N), DISS (EPA 350.1)	INORGANIC CHEMISTRY	12	\$25.89	\$310.68
I460GLT	NITRATE + NITRITE (AS N) (EPA 353.2)	INORGANIC CHEMISTRY	12	\$27.00	\$324.00
I470DLT	TOTAL KJELDAHL NITROGEN (AS N) (EPA 351.2)	INORGANIC CHEMISTRY	12	\$32.99	\$395.88
I520PLT	TOTAL PHOSPHORUS (AS P) (EPA 365.1)	INORGANIC CHEMISTRY	104	\$23.60	\$2,454.40
I530CLD	DISS REACTIVE PHOSPHORUS AS P (ORTHO-P) (SM 4500PE)	INORGANIC CHEMISTRY	46	\$23.00	\$1,058.00
I650JLT	SUSPENDED SOLIDS (EPA METHOD 160.2)	INORGANIC CHEMISTRY	30	\$18.80	\$564.00
I650JLV	VOLATILE SUSPENDED SOLIDS (SM 2540E-17TH ED)	INORGANIC CHEMISTRY	6	\$10.03	\$60.18
I720BLT	FIELD TESTS	INORGANIC CHEMISTRY	78	\$6.36	\$496.08

Total SLOH Lab Costs: \$6,202.66

Total Budget: \$27,598.86

Budget Description:Big Eau Pleine TMDL Monitoring 2013

Start Date: 01/01/2013

End Date: 09/30/2013

Code	Description	Quantity	Units	Unit Cost	Total Cost	Comments
FTE	FTE Hours	80	Hours	\$0.00	\$0.00	
LTE SAL	LTE Salary	230	Hours	\$13.00	\$2,990.00	
LTE FR	LTE Fringe				\$738.53	
LTE IND	LTE Indirect				\$602.90	
LTE TOT	LTE Total Cost				\$4,331.43	
SUPPLY	Supplies	1		\$250.00	\$250.00	Postage
EQUIP	Equipment				\$0.00	
MILEAGE	Mileage	2800	Miles	\$0.72	\$2,016.00	

Wisconsin Department of Natural Resources SWIMS Project Summary

Code	Description	Quantity	Units	Unit Cost	Total Cost	Comments
MEAL	Meals	32	Meals	\$9.00	\$288.00	
LODGE	Lodging				\$0.00	
TRAVEL	Travel Total				\$2,304.00	
BUG	Bug Contracts				\$0.00	
OTHER	Other Contracts				\$0.00	
USGS	USGS Costs				\$0.00	Contract paid in 2012 budget request
TOTAL	Total Cost (excludes SLOH)				\$6,885.43	

Test Code	Description	Test Group	# Planned	Unit Cost	Total Cost
I251UNL	CHLOROPHYLL A, FLUORESCENCE (EPA 445.00)	INORGANIC CHEMISTRY	72	\$24.52	\$1,765.44
I440NLD	AMMONIA (AS N), DISS (EPA 350.1)	INORGANIC CHEMISTRY	24	\$25.89	\$621.36
I460GLT	NITRATE + NITRITE (AS N) (EPA 353.2)	INORGANIC CHEMISTRY	24	\$27.00	\$648.00
I470DLT	TOTAL KJELDAHL NITROGEN (AS N) (EPA 351.2)	INORGANIC CHEMISTRY	24	\$32.99	\$791.76
I520PLT	TOTAL PHOSPHORUS (AS P) (EPA 365.1)	INORGANIC CHEMISTRY	133	\$23.60	\$3,138.80
I530CLD	DISS REACTIVE PHOSPHORUS AS P (ORTHO-P) (SM 4500PE)	INORGANIC CHEMISTRY	89	\$23.00	\$2,047.00
I650JLT	SUSPENDED SOLIDS (EPA METHOD 160.2)	INORGANIC CHEMISTRY	30	\$18.80	\$564.00
I650JLV	VOLATILE SUSPENDED SOLIDS (SM 2540E-17TH ED)	INORGANIC CHEMISTRY	8	\$10.03	\$80.24
I720BLT	FIELD TESTS	INORGANIC CHEMISTRY	133	\$6.36	\$845.88

Total SLOH Lab Costs: \$10,502.48
Total Budget: \$17,387.91

Combined Budgets: \$28,281.63
Combined SLOH: \$16,705.14
Combined Total: \$44,986.77

Funding

Organization	Source	Type	Amount	Start Date	End Date
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