

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: WCR_02_CMP10

Name: Big Eau Pleine River Citizen Monitoring - WCR_02_10

Type: TMDL/303d Projects

Subtype: Refine Load Estimates

Status: COMPLETE

Start Date: 7/1/2009

End Date: 6/30/2010

Purpose: The Big Eau Pleine Flowage is identified as an Impaired waterbody on the 303 d list. The flowage is located in Marathon County and > 70% of the watershed landuse is agriculture. Nutrient and sediment loading from the watershed causes severe summer algae blooms and contributes to low dissolved oxygen levels in the winter. WCR has scheduled TMDL monitoring for the flowage to begin in FY10 to address the impairment. This project will fund an advanced volunteer monitor for collecting monthly water chemistry samples from three major tributaries to the Big Eau Pleine Flowage. Samples will be collected the second week of each month and shipped to the SLOH for nutrient, chlor a and TSS analysis. This information will be collected in conjunction with other monitoring activities and used to develop a TMDL for the flowage. The study is designed for two years of monitoring and a third year might be necessary depending on precipitation and corresponding water levels in the flowage. At a minimum, this is a two year project and funding will be requested again in FY11

Objective: WCR is submitting other Special Project requests to fund the overall TMDL project for the Big Eau Pleine Flowage. This information will be used with other data collected by DNR to calculate nutrient and sediment loads to the flowage from the watershed. The information will also be used with a response model (BATHTUB) to determine how the flowage responds to phosphorus increases and decreases from the watershed.

Comments: Funding of the Citizen Monitor will reduce the amount of time Department Staff spends collecting data for the project.

Outcome: A final TMDL report will be completed after all monitoring and modeling is completed for the flowage.

The entire project is planned for two years so a similar funding request will be made in FY11

Study Design:

QA Measures:

People

Name	Role	Status	Start Date	End Date	Organization	Comments
HAZUGA, MARK J	TEAM_MEMBER	COMPLETE	7/1/2009	6/30/2010	Wisconsin DNR	

Project Statuses

Date	Reported By	Status	Comments
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Actions

Wisconsin Department of Natural Resources SWIMS Project Summary

Action	Detailed Description	Start Date	End Date	Status
Citizen-Based Stream Monitoring	This project will fund an advanced volunteer monitor for collecting monthly water chemistry samples from three major tributaries to the Big Eau Pleine Flowage. Samples will be collected the second week of each month and shipped to the SLOH for nutrient, chlor a and TSS analysis. This information will be collected in conjunction with other monitoring activities and used to develop a TMDL for the flowage. The study is designed for two years of monitoring and a third year might be necessary depending on precipitation and corresponding water levels in the flowage. At a minimum, this is a two year project and funding will be requested again in FY11	7/1/2009	6/30/2010	COMPLETE

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

Monitor or Propose 303(d) Listing	Big Eau Pleine River - 1427200. The Big Eau Pleine Flowage is identified as an Impaired waterbody on the 303 d list. The flowage is located in Marathon County and > 70% of the watershed landuse is agriculture. Nutrient and sediment loading from the watershed causes severe summer algae blooms and contributes to low dissolved oxygen levels in the winter.	7/1/2009	6/30/2010	COMPLETE
Monitor or Propose 303(d) Listing	Fenwood Creek -1428700. Nutrient and sediment loading from the watershed causes severe summer algae blooms and contributes to low dissolved oxygen levels in the winter. WCR has scheduled TMDL monitoring for the flowage to begin in FY10 to address the impairment.	7/1/2009	6/30/2010	COMPLETE
Monitor or Propose 303(d) Listing	Freeman Creek - 1427700. Nutrient and sediment loading from the watershed causes severe summer algae blooms and contributes to low dissolved oxygen levels in the winter. WCR has scheduled TMDL monitoring for the flowage to begin in FY10 to address the impairment.	7/1/2009	6/30/2010	COMPLETE

Monitoring Stations

Station ID	Name	Comments
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

7/25/2024

Wisconsin Department of Natural Resources SWIMS Project Summary

1427200	3	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
1428600	1	Big Eau Pleine River - Un Bay	Big Eau Pleine River -Un Bay
1428700	1	Fenwood Creek	Fenwood Creek
1428700	2	Fenwood Creek	Fenwood Creek
5013475	1	Unnamed Stream	Unnamed
5539220	1	Local Water	Unnamed
5540089	1	Local Water	Unnamed

Lab Account Codes

Account Code	Description	Start Date	End Date
WT106	Citizen River Monitoring	5/27/2009	6/30/2010

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
7/8/2009 9:20	COMPLETE	BEP	373325	Big Eau Pleine River at Sth 97 Bridge
8/19/2009 8:45	COMPLETE	BEP	373325	Big Eau Pleine River at Sth 97 Bridge
9/15/2009 1:30	COMPLETE	BEP	373325	Big Eau Pleine River at Sth 97 Bridge
10/27/2009 11:45	COMPLETE	BEP	373325	Big Eau Pleine River at Sth 97 Bridge
10/27/2009 13:00	COMPLETE	FEN	373366	Fenwood Creek at Hwy 153
10/27/2009 13:45	COMPLETE	FRE	373411	Freeman Creek at Sugar Bush Rd
11/24/2009 12:45	COMPLETE	BEP	373325	Big Eau Pleine River at Sth 97 Bridge
11/24/2009 13:15	COMPLETE	FEN	373366	Fenwood Creek at Hwy 153
11/24/2009 13:40	COMPLETE	FRE	373411	Freeman Creek at Sugar Bush Rd
12/29/2009 10:00	COMPLETE	FEN	373366	Fenwood Creek at Hwy 153
12/29/2009 10:40	COMPLETE	BEP	373325	Big Eau Pleine River at Sth 97 Bridge
12/29/2009 11:15	COMPLETE	FRE	373411	Freeman Creek at Sugar Bush Rd
1/26/2010 10:30	COMPLETE	BEP	373325	Big Eau Pleine River at Sth 97 Bridge

Wisconsin Department of Natural Resources SWIMS Project Summary

1/26/2010 11:00	COMPLETE	FEN	373366	Fenwood Creek at Hwy 153
1/26/2010 11:30	COMPLETE	FRE	373411	Freeman Creek at Sugar Bush Rd
3/23/2010	COMPLETE	BEP	373325	Big Eau Pleine River at Sth 97 Bridge
3/23/2010	COMPLETE	FEN	373366	Fenwood Creek at Hwy 153
3/23/2010	COMPLETE	FRE	373411	Freeman Creek at Sugar Bush Rd
4/27/2010 10:30	COMPLETE	BEP	373325	Big Eau Pleine River at Sth 97 Bridge
4/27/2010 11:00	COMPLETE	FEN	373366	Fenwood Creek at Hwy 153
4/27/2010 11:30	COMPLETE	FRE	373411	Freeman Creek at Sugar Bush Rd
5/25/2010 8:50	COMPLETE	BEP	373325	Big Eau Pleine River at Sth 97 Bridge
5/25/2010 9:15	COMPLETE	FRE	373411	Freeman Creek at Sugar Bush Rd
5/25/2010 9:35	COMPLETE	FEN	373366	Fenwood Creek at Hwy 153
6/29/2010 6:30	COMPLETE	BEP	373325	Big Eau Pleine River at Sth 97 Bridge
6/29/2010 7:00	COMPLETE	FEN	373366	Fenwood Creek at Hwy 153
6/29/2010 7:20	COMPLETE	FRE	373411	Freeman Creek at Sugar Bush Rd

Documents

Title	Description	Author	Published	Comments
Citizen Volunteer for the Big Eau Pleine Flowage 2011	Citizen volunteer who is monitoring the tributaries of the Big Eau Pleine River to help with the restoration project.	Hazuga, Mark	1/25/2012	
Monitoring Project Summary Flyer Big Eau Pleine River Citizen Monitoring	Monitoring Project Summary Flyer Big Eau Pleine River Citizen Monitoring	Sell, Hazuga, Helmuth	1/25/2012	
PROPOSED BUDGET	Master Spreadsheet for Project Budget 2010 Projects	Arneson, Ron	2/3/2009	

Budget

Combined Budgets:

Combined WSLH:

Combined Total: \$0.00

Funding

Organization	Source	Type	Amount	Start Date	End Date
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