Wisconsin Department of Natural Resources
SWIMS Project Summary

General Project Information

Project ID: WCR_04_CMP09 ATTAINS

Name: Central Wisconsin 303d DO Stream Monitoring

Type: TMDL/303d Projects

Subtype: Identify Impaired Waters

Status: IN_QA

Start Date: 7/1/2008

End Date: 6/30/2009

Purpose: WCR is seeking funds to purchase a YSI continous multiprobe sonde to monitor several 303d listed streams in the Central Wisconsin basin. Continuous monitoring, specifically dissolved oxygen (DO), would be completed on waterbodies that are on the 303d list for low DO as well as waterbodies not on the list, where low DO is suspected as an impairment. Streams that are currently listed for low DO include Mill Creek and the Big Eau Pleine River. DO monitoring would also be completed on the Wisconsin River to verify that current Waste Load Allocations are protective of the river and flowages.

Objective: Mill Creek is on the 303 d list for low dissolved oxygen, but continuous DO data has not been collected since 2003. In the last five years Portage and Wood counties, the City of Marshfield and Friends of Mill Creek (Nonprofit citizen group) have been working together to address both urban and rural runoff in the watershed. Recent monitoring information could be used by these groups and the Department to evaluate if oxygen conditions have changed in recent years. The meter would also be used to collect DO data on the Big Eau Pleine and West Branch of Baraboo rivers which are other waterbodies listed for DO impairments. Monitoring will occur on these waterbodies as time allows.

Monitoring in the Wisconsin River during 2005 drought conditions found low DO values below Lake Dubay, downstream to Petenwell Flowage. Low dissolved oxygen concentrations have historically been an issue on the Wisconsin River and in the 1980s, waste load allocations were devloped for several river segments. Additional monitoring needs to be completed to verify the waste load allocations are still protective of the river. Additional monitoring on the Wisconsin River would likely be completed in subsequent years as time allows.

Meters previously used in Central Wisconsin (AQUA 2000)only collect dissolved oxygen and have malfuntioned the past few years. The vendor has not been reliable and is unable to repair the meters. A multiprobe YSI meter would allow for collection of multiple parameters.

Comments: where's the data?

Outcome: If additional or other funding can be secured to purchase more meters, or some can be borrowed, multiple sites can be evaluated on Mill Creek in 2008. The meters will be used as time allows to evaluate other streams or rivers in 2008, or monitoring can be completed in subsequent years. At minimum, 6 sites will be evaluated on Mill Creek in either July or August during hot and dry conditions.

Once collected, the data will be summarized and stored on a PC where it will be uploaded into SWIIMS.

Study Design: Mill Creek (1398600), Big Eau Pleine River (1427200) and Wisconsin River (1179900) WCR_04_09

QA Measures:

People

Name	Role	Status	Start Date	End Date	Organization	Comments
HAZUGA, MARK J	COORDINATOR	COMPLETE	7/1/2008	6/30/2009	Wisconsin DNR	
Provost, Scott M	COORDINATOR	COMPLETE	7/1/2008	6/30/2009	Wisconsin DNR	

Project Statuses

Date	Reported By	Status	Comments
3/14/2008	MARK HAZUGA	Proposed	

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9/28/2012	MARK HAZUGA	Progress: 75-100% Complete	A YSI continuous DO meter was purchased and has been used to monitor surface water in Central Wisconsin. The meter has been used to complete TMDL monitoring on the Wisconsin River and Dexter Lake.
1/30/2013	MARK HAZUGA	Complete	This project was submitted to purchase a continuous DO meters to collect data from surface water in Central Wisconsin. The meter is in use. No final report is needed.

Actions

Action	Detailed Description	Start Date	End Date	Status
Purchase Dissolved Oxygen Meter	WCR is seeking funds to purchase a YSI continous multiprobe sonde to monitor several 303d listed streams in the Central Wisconsin basin. Continuous monitoring, specifically dissolved oxygen (DO), would be completed on waterbodies that are on the 303d list for low DO as well as waterbodies not on the list, where low DO is suspected as an impairment. Streams that are currently listed for low DO include Mill Creek and the Big Eau Pleine River. DO monitoring would also be completed on the Wisconsin River to verify that current Waste Load Allocations are protective of the river and flowages.	7/1/2008	6/30/2009	COMPLETE

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

Monitoring Stations

Station ID	Name	Comments
723259	Wisconsin River at Plank Hill Landing	

Assessment Units

WBIC	Segment	Local Name	Official Name
1179900	9	Wisconsin River	Wisconsin River

Lab Account Codes

Account Code	Description	Start Date	End Date
WT098	WATER QUALITY SPECIAL PROJECTS	7/1/2008	6/30/2009

Forms

Form Code	Form Name

Methods

Method Code	Method Description

Fieldwork Events

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Start Date	Status	Field ID	Station ID	Station Name
8/20/2009 9:33	COMPLETE	WIS-NEK	723259	Wisconsin River at Plank Hill Landing

Documents

Title	Description	Author	Published	Comments
CENTRAL WISCONSISN 303D DO STREAM MONITORING		Hazuga, Mark	3/14/2008	

Budget

Combined Budgets:

Combined WSLH:

Combined Total: $0.00

Funding

Organization	Source	Type	Amount	Start Date	End Date