

## Wisconsin Department of Natural Resources SWIMS Project Summary

### General Project Information

**Project ID:** WCR\_01\_CMP08  
**Name:** WCR 303d SWAT LISTING PROJECT (2006-TO PRESENT) WCR\_01\_08  
**Type:** TMDL/303d Projects  
**Subtype:** Monitor Listed Waters  
**Status:** ACTIVE  
**Start Date:** 07/01/2006  
**End Date:** 06/30/2008  
**Purpose:** Includes work conducted in 2006-07 , AND 07-08 under 303(d) List Helsel-SWAT  
**Objective:** The goal of this project is to undertake a region wide inventory of selected West Central Region Wadeable streams for inclusion on the 303d impaired waters list. Biological and chemical information targeting exceedances of state water quality standards will be collected between June and August by regional biologists assisted by a region wide SWAT team of LTEs. This information will be used to determine if any of these streams should be listed on the 303d list.

This project request supports two LTEs for 2-3 field days per week between June and August (192 hours each). WCR expects to primarily use LTEs currently hired to perform baseline monitoring as part of the fisheries team. The LTEs will assist the basin water quality biologist with the collection of fishery surveys, continuous dissolved oxygen and temperature monitoring, pH, transparency tube, and stream habitat. Basin water quality biologists will prioritize monitoring of stream sites anticipated to exceed state water quality standards by based upon existing baseline Wadeable stream data and their knowledge of basin streams.

Approximately 48 to 60 sites will be evaluated (2 to 3 per day). Fishery and habitat surveys will follow the baseline Wadeable stream protocol and an index of biotic integrity will be calculated for each site. Continuous dissolved oxygen monitoring will be completed in mid to late summer.

At each site, a synoptic water chemistry survey will be completed on 48 stream sites. Parameters collected include; BOD, suspended solids, nutrients and chlorophyll a. The water chemistry data will be used in conjunction with the dissolved oxygen and temperature data. Continuous dissolved oxygen meters will be deployed for 1 week periods and rotated between approximately half the sites (24).

**Comments:** Activity Code: WTSK  
**Outcome:** Since Tier I baseline monitoring site selection has recently been changed to random sites, WCR biologists have proposed this Tier II monitoring project to collect information from targeted streams where there are anticipated standard exceedances. The collection of fish, water chemistry and continuous dissolved oxygen data will also provide an opportunity to evaluate the new TALU system the Department has drafted.

Field meters have been requested to support the regional SWAT team including a field DO, pH and conductivity meter, two continuous DO recording meters with peripherals. A mini-stream boat shocker is also requested due to the limited access of backpack and stream boat shockers in the WCR.

3. Performance Measure(s) (including sample collection, report completion date, etc.):

Data collected will be evaluated using the TALU tables to determine if these streams should be listed or de-listed on the 303 (d) list. This monitoring will also provide data to aid in the future selection of eco-region reference sites. Biological, chemical and habitat data will be available by the end of summer. A final summary report will be completed for the project after all data is analyzed including fishery, habitat, temperature and continuous dissolved oxygen data.

**Study Design:**  
**QA Measures:**

### People

Name	Role	Status	Start Date	End Date	Organization	Comments
HAZUGA, MARK J	COORDINATOR	COMPLETE	12/12/2006		Wisconsin DNR	
HELSEL, DANIEL R	COORDINATOR	COMPLETE	11/09/2006		Wisconsin DNR	
Provost, Scott M	COORDINATOR	COMPLETE	05/08/2007			
WALLS, ROBERTA A	COORDINATOR	ACTIVE	10/22/2008		Wisconsin DNR	

### Project Statuses

## Wisconsin Department of Natural Resources SWIMS Project Summary

Date	Reported By	Status	Comments		
<b>Actions</b>					
Action	Detailed Description		Start	End Date	Status
Monitor or Propose 303(d) Listing	WCR expects to primarily use LTEs currently hired to perform baseline monitoring as part of the fisheries team. The LTEs will assist the basin water quality biologist with the collection of fishery surveys, continuous dissolved oxygen and temperature monitoring, pH, transparency tube, and stream habitat. Basin water quality biologists will prioritize monitoring of stream sites anticipated to exceed state water quality standards by based upon existing baseline wadeable stream data and their knowledge of basin streams. Approximately 48 to 60 sites will be evaluated (2 to 3 per day).		07/01/2006	06/30/2008	COMPLETE
<b>Details:</b>	Parameter	Value/Amount	Units	Comments	
	Temperature				
	Total Nitrogen				
	Total Phosphorus				
	Total Suspended Solids				

<b>Monitoring Stations</b>		
Station ID	Name	Comments
373325	Big Eau Pleine River at Sth 97 Bridge	
10009418	Big Roche A Cri Creek at 20th Ave Site 1	
10008445	Borst Valley Cr. [600 ft Ds Vehicle X-Ing On State Land]	
623202	Borst Valley Creek - Sth 121 Sec 2 And 11	
10011604	Coon Creek - 1-Coon Creek. 75 U.S. Of Sth 79	
623283	Dutch Creek - Gilmeister Rd	
629293	Dutch Creek - Site 1: Sampson Ln. Off Of Crystal Valley Rd.	
10011748	East Branch Wedges Creek - East Branch Wedges Creek Bobwhite Rd. Station 3	
10011747	East Branch Wedges Creek - East Branch Wedges Creek Cth G Station 2	
623114	French Creek - Hwy T Bridge Sec 3	
623280	French Creek - Moen Coulee Rd.	
623292	French Creek - Site 2: County Highway D	
10008478	French Creekat Dead End Road	
10020533	Halls Creek At Cht B	
10020532	Halls Creek At Gilroy Road	
10020595	Halls Creek at Stage Rd	
10012820	Little Hay Creek 1- Cth C	
10012970	Little Hay Creek 3 (Near 90th St And 120th Ave)	
623121	Marinuka Lake - Deep Hole	
10009379	Missouri Creek - 7 - 110th Ave And 130th St.	
10009380	Missouri Creek - 8 - 20th St	
10009601	Missouri Creek Station 5 (190th Street)	
10017423	North Branch O'Neil Creek At Cardinal Ave.	

## Wisconsin Department of Natural Resources SWIMS Project Summary

Station ID	Name	Comments
10010237	North Branch O'Neill Creek - North Branch O'Neill Creek Station 2	
10010236	North Branch O'Neill Creek - North Branch O'Neill Creek Station 1	
10008728	So. Br. Trempealeau R. [170 ft US Of North Branch Rd]	
10013798	Soper Creek Station 1 - Driveway Crossing Near Cth B	
10028984	Teal Flowage - Deep Hole	
10014003	Timber Creek - Cth G And Horgen Road Crossing	
273048	Trempealeau River South Branch at Meek Rd	
273014	Trow Lake - Center	
623042	Trump Coulee - Tr BrT21nR7w Cs14	
10021696	Trump Coulee Creek At Marsh Road	
10022541	Unnamed Creek - Kukowski Lane	
10011779	Wedges Creek - Wedges Creek Chili Rd. Station 2	
10021699	White Creek Upstream Cth N	
10021700	White Creek Upstream Sth 54 (Farthest Downstream Crossing)	
10021701	White Creek Upstream Sth 54 - Farthest Upstream Crossing	
10017426	Wolf River At Countyline Road	
10017424	Wolf River At Cth H	
10021698	Woodward Creek Downstream Selmer Road (Farthest Downstream Crossing)	
10021697	Woodward Creek Upstream Cth N	

### Assessment Units

WBIC	Segment	Local Name	Official Name
1374100	3	Big Roche-A-Cri Creek	Big Roche A Cri Creek
1427200	4	Big Eau Pleine River	Big Eau Pleine River
1678200	1	Marinuka Lake	Marinuka Lake
1678400	1	Dutch Creek	Dutch Creek
1679500	1	French Creek	French Creek
1679500	2	French Creek	French Creek
1691700	1	White Creek	White Creek
1691900	1	Woodward Creek	Woodward Creek
1693400	1	Soper Creek	Soper Creek
1710600	2	Halls Creek	Halls Creek
1711500	1	Lower Merrilan Pond	Trow Lake (L Merrilan Pond)
1714900	1	Teal Flowage	Teal Flowage
1743300	1	Wedges Creek	Wedges Creek
1747500	1	East Branch Wedges Creek	East Branch Wedges Creek
1749600	1	North Branch O'Neill Creek	North Branch O'Neill Creek
1773800	1	Local Water	Unnamed
1783100	2	Borst Valley Creek	Borst Valley Creek
1796700	1	Timber Creek	Timber Creek
1800600	1	Trump Coulee Creek	Trump Coulee Creek
1806900	1	S. Branch Trempealeau R.	South Branch Trempealeau River
2055700	1	Missouri Creek	Missouri Creek
2055700	2	Missouri Creek	Missouri Creek
2055700	3	Missouri Creek	Missouri Creek

## Wisconsin Department of Natural Resources SWIMS Project Summary

WBIC	Segment	Local Name	Official Name
2066400	1	Coon Creek	Coon Creek
2146000	4	Wolf River	Wolf River
2151400	1	Little Hay Creek	Little Hay Creek

### Lab Account Codes

Account Code	Description	Start Date	End Date
WT082	SPECIAL PROJECTS	07/01/2006	09/30/2007
WT089	SPECIAL PROJECTS	07/01/2007	06/30/2008

### Forms

Form Code	Form Name
CONTINUOUS	Continuous Data Upload
INORGANIC	Inorganic Lab - Field Data

### Methods

Method Code	Description
FISH SURVEY BASELINE PROTOCOLS	Fish Survey Baseline Protocols 2004
MACROINVERTEBRATE BASELINE PROTOCOLS	Macroinvertebrate Baseline D-frame Kick Net 2004
DNR-FPM-SONDES2006	Multi-Parameter Continuous Meter Guidelines 2006
GRAB SAMPLE	Water Grab Sample Guidelines and Procedures 2005

### Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
12/19/2006 09:50	COMPLETE	BEP	373325	Big Eau Pleine River at Sth 97 Bridge
02/15/2007 09:08	COMPLETE	BEP	373325	Big Eau Pleine River at Sth 97 Bridge
03/14/2007 09:00	COMPLETE	BEP	373325	Big Eau Pleine River at Sth 97 Bridge
03/14/2007 09:00	COMPLETE	BEP	373325	Big Eau Pleine River at Sth 97 Bridge
04/12/2007 10:10	COMPLETE	BEP	373325	Big Eau Pleine River at Sth 97 Bridge
04/18/2007	COMPLETE	20070418-09-06R1	10012970	Little Hay Creek 3 (Near 90th St And 120th Ave)
04/18/2007	COMPLETE		10012820	Little Hay Creek 1- Cth C
04/25/2007	COMPLETE	20070425-27-08R1	10014003	Timber Creek - Cth G And Horgen Road Crossing
04/25/2007	COMPLETE		273048	Trempealeau River South Branch at Meek Rd
04/26/2007	COMPLETE		10020595	Halls Creek at Stage Rd
04/26/2007	COMPLETE		10020533	Halls Creek At Cht B
04/26/2007	COMPLETE		10020532	Halls Creek At Gilroy Road
04/27/2007	COMPLETE		10017424	Wolf River At Cth H
04/27/2007	COMPLETE		10011748	East Branch Wedges Creek - East Branch Wedges Creek Bobwhite Rd. Station 3
04/27/2007	COMPLETE		10011747	East Branch Wedges Creek - East Branch Wedges Creek Cth G Station 2
04/27/2007	COMPLETE		10011779	Wedges Creek - Wedges Creek Chili Rd. Station 2
04/27/2007	COMPLETE		10010237	North Branch O'Neill Creek - North Branch O'Neill Creek Station 2
04/27/2007	COMPLETE		10010236	North Branch O'Neill Creek - North Branch O'Neill Creek Station 1
04/27/2007	COMPLETE		10017423	North Branch O'Neil Creek At Cardinal Ave.
04/27/2007	COMPLETE		10017426	Wolf River At Countyline Road
05/10/2007 10:15	COMPLETE	BEP	373325	Big Eau Pleine River at Sth 97 Bridge

## Wisconsin Department of Natural Resources SWIMS Project Summary

Start Date	Status	Field ID	Station ID	Station Name
08/14/2007 10:52	COMPLETE	BEP	373325	Big Eau Pleine River at Sth 97 Bridge
09/12/2007 14:40	COMPLETE	BEP	373325	Big Eau Pleine River at Sth 97 Bridge
09/27/2007	COMPLETE		10008728	So. Br. Trempealeau R. [170 ft US Of North Branch Rd]
10/03/2007	COMPLETE		623292	French Creek - Site 2: County Highway D
10/03/2007	COMPLETE		623280	French Creek - Moen Coulee Rd.
10/03/2007	COMPLETE		623283	Dutch Creek - Gilmeister Rd
10/03/2007	COMPLETE		629293	Dutch Creek - Site 1: Sampson Ln. Off Of Crystal Valley Rd.
10/03/2007	COMPLETE		10021697	Woodward Creek Upstream Cth N
10/03/2007	COMPLETE		10021698	Woodward Creek Downstream Selmer Road (Farthest Downstream Crossing)
10/03/2007	COMPLETE		10021699	White Creek Upstream Cth N
10/03/2007	COMPLETE		10021700	White Creek Upstream Sth 54 (Farthest Downstream Crossing)
10/03/2007	COMPLETE		623114	French Creek - Hwy T Bridge Sec 3
10/03/2007	COMPLETE		10008478	French Creekat Dead End Road
10/09/2007 14:00	COMPLETE	BEP	373325	Big Eau Pleine River at Sth 97 Bridge
10/10/2007	COMPLETE		10009601	Missouri Creek Station 5 (190th Street)
10/10/2007	COMPLETE		10009380	Missouri Creek - 8 - 20th St
10/10/2007	COMPLETE		10009379	Missouri Creek - 7 - 110th Ave And 130th St.
10/11/2007	COMPLETE		10011604	Coon Creek - 1-Coon Creek. 75 U.S. Of Sth 79
10/17/2007	COMPLETE		10008445	Borst Valley Cr. [600 ft Ds Vehicle X-Ing On State Land]
10/17/2007	COMPLETE		623202	Borst Valley Creek - Sth 121 Sec 2 And 11
10/30/2007	COMPLETE		623042	Trump Coulee - Tr BrT21nR7w Cs14
10/30/2007	COMPLETE		10021696	Trump Coulee Creek At Marsh Road
11/13/2007 14:00	COMPLETE	BEP	373325	Big Eau Pleine River at Sth 97 Bridge
12/11/2007 14:00	COMPLETE	BEP	373325	Big Eau Pleine River at Sth 97 Bridge
01/08/2008 14:15	COMPLETE	BEP	373325	Big Eau Pleine River at Sth 97 Bridge
02/12/2008 10:30	COMPLETE	BEP	373325	Big Eau Pleine River at Sth 97 Bridge
02/13/2008 10:00	COMPLETE	SC1	10013798	Soper Creek Station 1 - Driveway Crossing Near Cth B
02/13/2008 10:00	COMPLETE	SC1	10013798	Soper Creek Station 1 - Driveway Crossing Near Cth B
02/21/2008 10:55	COMPLETE	BRC	10009418	Big Roche A Cri Creek at 20th Ave Site 1
03/11/2008 10:30	COMPLETE	BEP	373325	Big Eau Pleine River at Sth 97 Bridge
04/08/2008 10:30	COMPLETE	BEP	373325	Big Eau Pleine River at Sth 97 Bridge
05/13/2008 10:30	COMPLETE	BEP	373325	Big Eau Pleine River at Sth 97 Bridge
06/04/2008 12:00	COMPLETE	BEP	373325	Big Eau Pleine River at Sth 97 Bridge
07/14/2008 09:20	COMPLETE	TF1	10028984	Teal Flowage - Deep Hole
07/14/2008 09:35	COMPLETE	TF1	10028984	Teal Flowage - Deep Hole
07/14/2008 11:44	COMPLETE	ML1	623121	Marinuka Lake - Deep Hole
07/14/2008 11:44	COMPLETE	ML1	623121	Marinuka Lake - Deep Hole
07/22/2008 10:15	COMPLETE	TL1	273014	Trow Lake - Center

### Documents

Title	Description	Author	Published	Comments
WCR FY08 SWAT 303D MONITORING PROPOSAL WEST CENTRAL REGION	Monitoring Proposal	Helsel, Dan	07/01/2007	
FY07 303D LIST SPECIAL PROJECT MONITORING PROPOSAL	WCR MONITORING PROPOSAL FOR 303D IMPAIRMENTS FY07	Helsel, Dan	07/01/2006	MONITORING PROPOSAL

## Wisconsin Department of Natural Resources SWIMS Project Summary

### Budget

Combined Budgets:

Combined SLOH:

Combined Total:

### Funding

Organization	Source	Type	Amount	Start Date	End Date
--------------	--------	------	--------	------------	----------