

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID:	CBSM_POTW
Name:	Temperature monitoring at POTWs
Type:	Citizen Based Stream Monitoring
Subtype:	Volunteer Monitoring
Status:	ACTIVE
Start Date:	12/01/2010
End Date:	12/01/2011
Purpose:	The Water Action Volunteers Program involves citizen monitors in the process of collecting water quality data used by the DNR to assist in making management decisions. Goals of the program include collecting high quality data that can be used for management decisions, building relationships between DNR staff and citizen monitors, and assessing areas in need of additional monitoring, restoration and/or protection. Ultimately, volunteer participation in this project aids DNR staff by allowing for increased capabilities to monitor streams. Communities and the DNR can use this water quality information to make decisions that affect the management of streams throughout Wisconsin.
Objective:	Data collected by Water Action Volunteers can be used by DNR staff as screening tools. The process of data collection helps Wisconsin citizenry enhance their understanding of data collection and in many cases, move to more sophisticated data collection work including biological and additional physical site data..
Comments:	Manual temperature readings were taken at each stream following "plume" to understand if/where mixing occurs. Results displayed under each stream in "monitoring station comments".
Outcome:	
Study Design:	The Level 2 stream monitoring sampling plan is consistent with statewide baseline monitoring guidelines laid out in the DNR's Water Resources Monitoring Strategy for Wisconsin. <ul style="list-style-type: none"> • DNR or county staff recommends sites that could be useful to have monitored based on needs to acquire status or trends information, or other types of monitoring that is priority. • Volunteers are asked to monitor, at least, from May through September • Volunteers choose primary (P) and secondary (S) sampling dates in advance and note on their data sheets on which of those dates they monitored. • Volunteers are asked to sample on the primary date unless there are safety concerns about being at the stream site (e.g., tornado, lightning, dangerously high flows) or a family emergency. • The goal is to monitor at the same time each month, preferably 30 days apart from the last monitoring visit. • Volunteers are instructed to enter data by the end of each month. <p>Parameters Measured:</p> <ul style="list-style-type: none"> • Dissolved oxygen (concentration) • Dissolved oxygen (saturation) • Transparency • Temperature (instantaneous and continuous measurements) • pH.
QA Measures:	Program Coordinator or Local Coordinators visit with 10% of volunteer stations annually to conduct side-by-side monitoring of dissolved oxygen and pH, using his/her own meter to check that volunteers are calibrating meters and following methods correctly, to ensure the equipment is functioning properly, and to answer any questions or concerns. The Data Managers run monthly database queries throughout the field season to evaluate the quality of data entered into the database and follow-up with volunteers to address anomalies that are identified.

People

Name	Role	Status	Start Date	End Date	Organization	Comments
ANDERSON, CHRISTINA R	COORDINATOR	ACTIVE	06/16/2011		Wisconsin DNR	
Stepenuck, Kris	COORDINATOR	ACTIVE	01/04/2011		UWEX	

Project Statuses

Date	Reported By	Status	Comments
------	-------------	--------	----------

Actions

Action	Detailed Description	Start	End Date	Status
--------	----------------------	-------	----------	--------

Monitoring Stations

Wisconsin Department of Natural Resources SWIMS Project Summary

Station ID	Name	Comments
10032287	Bear Creek DS 40ft from Stephenville WWTP outfall	
10032288	Bear Creek US 40ft from Stephenville WWTP outfall	
10032294	Downstream 100ft from Clintonville WWTP outfall	
10032300	Downstream 100ft from Milladore WWTP outfall	
10032227	Downstream 10ft from Bloomfield Manner WWTP outfall	
10032297	Downstream 10ft from Junction City outfall	
10032290	Downstream 45ft from Lena WWTP outfall	
10032291	Downstream 46ft from Coleman WWTP outfall	
10032225	Downstream 50ft from Cross Plains WWTP outfall	
10032295	Downstream 60ft from Bloomer WWTP outfall	
10032286	Duck Creek DS 115ft from Freedom WWTP outfall	
10032285	Duck Creek DS 69ft from Freedom WWTP outfall	
10032284	Duck Creek US 46ft from Freedom WWTP outfall	
10032292	Little Peshtigo River US 46 ft from Coleman WWTP outfall	
10032228	Milwaukee River Downstream 140ft from Grafton Village WWTP outfall	
10032229	Milwaukee River Upstream 100ft from Grafton WWTP outfall	
10033972	Unnamed Trib to Maunsha River East of Hendricks St (Downstream)	
10033973	Unnamed Trib to Maunsha River East of Hendricks St (Upstream)	
10032293	Upstream 100ft from Clintonville WWTP outfall	
10032298	Upstream 10ft from Junction City WWTP outfall	
10032226	Upstream 15ft from Bloomfield Manner WWTP outfall	
10032289	Upstream 30' from Lena WWTP outfall	
10032224	Upstream 50feet from Cross Plains WWTP outfall	
10032299	Upstream 56ft from Milladore WWTP outfall	
10032296	Upstream 60ft from Bloomer WWTP outfall	
10032230	W Br Root River Canal - Downstream 14ft from Union Grove WWTP outfall	
10032231	W Br Root River Canal - Downstream 40ft from Union Grove WWTP outfall	
10032232	W Br Root River Canal - Upstream 14ft from Union Grove WWTP outfall	

Assessment Units

WBIC	Segment	Local Name	Official Name
4500	3	West Branch Root River Canal	West Branch Root River Canal
4500	4	West Branch Root River Canal	West Branch Root River Canal
15000	3	Milwaukee River	Milwaukee River
293100	1	Pigeon River	Pigeon River
316000	2	Bear Creek	Bear Creek
409700	2	Duck Creek	Duck Creek
517400	1	Little Peshtigo River	Little Peshtigo River
1248600	5	Black Earth Creek	Black Earth Creek
1399370	1	TRIBUTARY TO MILL CREEK	Unnamed
1400030	1	TRIBUTARY TO MILL CREEK	Unnamed
2150600	4	Duncan Creek	Duncan Creek
3000077	2	Laxey Creek	Laxey Creek
3000202	1	Little River Tributary (Aka Jones Creek)	Unnamed

Wisconsin Department of Natural Resources SWIMS Project Summary

WBIC	Segment	Local Name	Official Name
5034865	1	Unnamed Trib to Maunsha R	Unnamed

Lab Account Codes

Account Code	Description	Start Date	End Date
--------------	-------------	------------	----------

Forms

Form Code	Form Name
VOL_RIVER	Citizen-Based Stream Monitoring

Methods

Method Code	Description
CBSM_PP_FIELD_METHODS	CBSM Stream Monitoring YSI DO Meter 2009

Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
12/02/2010 11:50	COMPLETE	TIDBITV2	10032226	Upstream 15ft from Bloomfield Manner WWTP outfall
12/02/2010 12:15	COMPLETE	TIDBITV2	10032227	Downstream 10ft from Bloomfield Manner WWTP outfall
12/02/2010 16:30	COMPLETE	TIDBITV2	10032225	Downstream 50ft from Cross Plains WWTP outfall
12/02/2010 16:35	COMPLETE	TIDBITV2	10032224	Upstream 50feet from Cross Plains WWTP outfall
12/03/2010 12:30	COMPLETE	TIDBITV2	10032286	Duck Creek DS 115ft from Freedom WWTP outfall
12/03/2010 12:30	COMPLETE	TIDBITV2	10032284	Duck Creek US 46ft from Freedom WWTP outfall
12/03/2010 14:05	COMPLETE	TIDBITV2	10032230	W Br Root River Canal - Downstream 14ft from Union Grove WWTP outfall
12/03/2010 14:10	COMPLETE	TIDBITV2	10032231	W Br Root River Canal - Downstream 40ft from Union Grove WWTP outfall
12/03/2010 14:20	COMPLETE	TIDBITV2	10032232	W Br Root River Canal - Upstream 14ft from Union Grove WWTP outfall
12/04/2010 12:15	COMPLETE	TIDBITV2	10032285	Duck Creek DS 69ft from Freedom WWTP outfall
12/05/2010 10:40	COMPLETE	TIDBITV2	10032290	Downstream 45ft from Lena WWTP outfall
12/05/2010 10:50	COMPLETE	TIDBITV2	10032289	Upstream 30' from Lena WWTP outfall
12/05/2010 12:15	COMPLETE	TIDBITV2	10032291	Downstream 46ft from Coleman WWTP outfall
12/05/2010 12:25	COMPLETE	TIDBITV2	10032292	Little Peshtigo River US 46 ft from Coleman WWTP outfall
12/06/2010 10:35	COMPLETE	TIDBITV2	10032229	Milwaukee River Upstream 100ft from Grafton WWTP outfall
12/09/2010 17:00	COMPLETE	TIDBITV2	10032295	Downstream 60ft from Bloomer WWTP outfall
12/09/2010 17:00	COMPLETE	TIDBITV2	10032296	Upstream 60ft from Bloomer WWTP outfall
12/10/2010 11:30	COMPLETE	TIDBITV2	10032298	Upstream 10ft from Junction City WWTP outfall
12/10/2010 12:30	COMPLETE	TIDBITV2	10032299	Upstream 56ft from Milladore WWTP outfall
12/10/2010 12:45	COMPLETE	TIDBITV2	10032300	Downstream 100ft from Milladore WWTP outfall
12/11/2010 13:55	COMPLETE	TIDBITV2	10033972	Unnamed Trib to Maunsha River East of Hendricks St (Downstream)
12/11/2010 13:55	COMPLETE	TIDBITV2	10033973	Unnamed Trib to Maunsha River East of Hendricks St (Upstream)

Documents

Title	Description	Author	Published	Comments
-------	-------------	--------	-----------	----------

Budget

Wisconsin Department of Natural Resources SWIMS Project Summary

Combined Budgets:

Combined SLOH:

Combined Total:

Funding

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