

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: CBSM_2
Name: CBSM (Level 2)
Type: Citizen Based Stream Monitoring
Subtype: Regional or Statewide Coordination
Status: ACTIVE
Start Date: 04/15/2006
End Date: 09/30/2006
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:
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.

- 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.

Parameters Measured:

- 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
ALBRIGHT, LINDSEY B	COORDINATOR	ACTIVE	04/29/2014		Wisconsin DNR	
ANDERSON, CHRISTINA R	COORDINATOR	INACTIVE	08/30/2010	12/04/2014	Wisconsin DNR	
Anderson, Ian	TEAM_MEMBER	INACTIVE	06/18/2012	12/04/2014		
Compton, Peggy	TEAM_MEMBER	ACTIVE	09/16/2015		UW Division of Extension	
FETTER, FRANKLIN F	COORDINATOR	INACTIVE	05/17/2006	02/13/2007	Wisconsin DNR	
Foley, Danielle	DATA_ENTRY	INACTIVE	03/22/2012	12/04/2014	UWEX	
Koski, Karen	DATA_ENTRY	INACTIVE	09/12/2006	12/31/2006		
LIPKE, CAROLYN	COORDINATOR	ACTIVE	05/27/2010	04/11/2011	Wisconsin DNR	

Wisconsin Department of Natural Resources SWIMS Project Summary

Name	Role	Status	Start Date	End Date	Organization	Comments
Lucas, Amanda	OTHER	INACTIVE	09/09/2011	12/04/2014	UW	
Nicholas (nee Van Gheem), I	TEAM_MEMBER	INACTIVE	01/08/2013	10/07/2014	Clean Lakes Alliance	
PIPER ANDERSON, CHRIST	DATA_ENTRY	INACTIVE	07/10/2009	08/30/2010	Wisconsin DNR	
SMITH, HEATHER E	COORDINATOR	INACTIVE	06/18/2012	12/04/2014	Wisconsin DNR	
Stepenuck, Kris	COORDINATOR	RETIRED	01/13/2010		UWEX	
Wiseman, David	OTHER	ACTIVE	07/05/2011	09/30/2011	UWEX	UWEX intern assisting with program
Wochos, Julia	TEAM_MEMBER	ACTIVE	02/17/2014	11/06/2014	UWEX	

Project Statuses

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

Actions

Action	Detailed Description	Start	End Date	Status
Citizen-Based Stream Monitoring	Collect chemical, physical, and/or biological water quality data to assess the current overall stream health. The data can inform management decisions and may be used to identify impaired waters for biennial lists.	04/15/2006	09/30/2006	IN_PROGRESS

Monitoring Stations

Station ID	Name	Comments
10010558	Honey Creek 16 - at bridge N of Aurora Hospice	
283213	Lake Ripley - Trib Ripley Rd	
573174	Leech Creek - Paschen Rd	

Assessment Units

WBIC	Segment	Local Name	Official Name
16300	2	Honey Creek	Honey Creek
809700	1	Inlet of Lake Ripley	Unnamed
1271600	2	Leech Creek	Leech Creek

Lab Account Codes

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

Forms

Form Code	Form Name
-----------	-----------

Methods

Method Code	Description
CBSM_PP_FIELD_METHODS	CBSM Stream Monitoring YSI DO Meter 2009
DNR-FPM-2010, D.O. METER	Dissolved Oxygen Digital Instantaneous Field Meters 1995
DNR-FPM-2502	Temperature (Instantaneous) Digital Meter 1995
DNR-FPM-2001, PH METERS	pH Digital Instantaneous Field Meters 1993

Fieldwork Events

Wisconsin Department of Natural Resources SWIMS Project Summary

Start Date	Status	Field ID	Station ID	Station Name
11/12/2014 12:00	COMPLETE		10010558	HoneyCreek 16 - at bridge N of Aurora Hospice
11/26/2014 11:00	COMPLETE		10010558	HoneyCreek 16 - at bridge N of Aurora Hospice

Documents

Title	Description	Author	Published	Comments
Citizen Based Stream Monitoring Quality Assurance Project Plan 2009	METHOD DESC: Citizen Based Stream Monitoring with YSI DO Meter	LIPKE CAROLYN	10/01/2009	
Citizen Stream Monitoring Data Manager SOP Manual	Deb Deppeler for Chris Clayton to help establish procedures for the CBSM Data Manager position.	Clayton, Chris	06/23/2009	
Directions for Generating CBSM Regional Report 2010			03/22/2011	
MONITORING STATIONS FOR CITIZEN BASED STREAM MONITORING PILOT PROJECT in 2006	2006 MONITORING STATIONS FOR CITIZEN BASED STREAM MONITORING PILOT PROJECT	Jennifer Filbert	10/01/2006	
Map of Water Action Volunteer Stream Monitoring Locations, 2010		Lipke, Carolyn	07/01/2010	

Budget

Combined Budgets:
Combined SLOH:
Combined Total:

Funding

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