

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: CBSM-283217
Name: Rock Creek at CTH A
Type: Citizen Based Stream Monitoring
Subtype: Volunteer Monitoring
Status: ACTIVE
Start Date: 05/01/2012
End Date: 12/31/2099
Purpose: The Water Action Volunteers Program (WAV) involves citizen monitors in the collection of stream water quality data that may be used by the Wisconsin Department of Natural Resources (DNR) and their partner organizations. Program goals include building relationships between DNR staff and citizen monitors while assessing streams in need of additional monitoring, restoration, and/or protection. Ultimately, volunteer participation increases capabilities of the DNR and communities to monitor streams, providing water quality information that may be used to make decisions that affect the management of streams throughout Wisconsin.
Objective: The main goal of the WAV program is to preserve and protect Wisconsin's streams and the lakes to which they are connected. Objectives of the program are to educate and empower citizens to share their data, to obtain high quality data useful for DNR decision-making, and to encourage data and knowledge sharing. The process of data collection by Wisconsin residents enhances their understanding of water quality parameters, and in many cases, interests them in assisting with more sophisticated projects, including the collection of additional biological, chemical, and physical site data. Ultimately, a goal is that DNR staff trust volunteer data results, and therefore utilize WAV data to assist in making management decisions.
Comments:
Outcome:
Study Design: Volunteer stream monitors assess water quality parameters identified in the DNR's Water Resources Monitoring Strategy for Wisconsin. Volunteers may identify their own sampling locations. In some instances, WAV Coordinators, DNR, or county staff may recommend sites based on the need to acquire status or trends information, or other types of monitoring that are priorities. In general, volunteers are asked to monitor from May through October. Advanced volunteers choose primary (P) and secondary (S) sampling dates in advance and note on their data sheets 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 personal or family emergency. The goal is to monitor at the same time each month, about 30 days after the last monitoring visit. Volunteers are instructed to enter data into the Surface Water Integrated Monitoring System (SWIMS) database by the end of each month and to immediately report extreme conditions that may be hazardous to aquatic life to their local DNR or County biologist. Parameters measured monthly include: dissolved oxygen (concentration), dissolved oxygen (saturation), streamflow, transparency, temperature (instantaneous and/or continuous measurements), and sometimes pH. In addition, macroinvertebrates (Biotic Index) are assessed twice per year and habitat conditions are assessed once per year. Some volunteers monitor specific conductance, chloride, total phosphorus, E. coli, or other parameters.
QA Measures: For advanced volunteers, a WAV staff person, local coordinator or authorized representative visits with 10% of volunteers annually to conduct side-by-side monitoring. The goal of field QA checks is to check that volunteers are properly calibrating their meters (if used) and following the sampling methods correctly. Staff members conducting QA checks also ensure that equipment is functioning properly and answer any volunteer questions or concerns. A Data Manager runs regular (monthly whenever possible) 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
Bower, Steve	TEAM_MEMBER	ACTIVE	08/17/2017		Rock River Coalition	
Cicero, Patricia	COORDINATOR	ACTIVE	12/18/2014		Jefferson County Land and Water Conservation Dept.	
Glassford, Carl	TEAM_MEMBER	ACTIVE	08/09/2012		Rock River Coalition	
Kerler, James	TEAM_MEMBER	ACTIVE	08/09/2012		Rock River Coalition	
Sheehan, Nancy A	COORDINATOR	INACTIVE	08/09/2012	07/29/2019	Rock River Coalition	
Ulman, Marisa	COORDINATOR	ACTIVE	03/19/2021		Jefferson County LWCD	

Project Statuses

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

Wisconsin Department of Natural Resources SWIMS Project Summary

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.	05/01/2012	12/31/2099	IN_PROGRESS

Monitoring Stations

Station ID	Name	Comments
283217	Rock Creek - Above Rock L Cth A	

Assessment Units

WBIC	Segment	Local Name	Official Name
830100	2	Rock Creek	Rock Creek

Lab Account Codes

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

Forms

Form Code	Form Name
WAV_2015	WAV Stream Monitoring 2015

Methods

Method Code	Description
CBSM_FIELD_METHODS_STREA M_CHEMISTRY	CBSM Field Methods for Stream Monitoring 2010

Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
07/30/2010 10:00	COMPLETE		283217	Rock Creek - Above Rock L Cth A
09/09/2010 09:30	COMPLETE		283217	Rock Creek - Above Rock L Cth A
10/06/2010 13:15	COMPLETE		283217	Rock Creek - Above Rock L Cth A
04/29/2011 09:00	COMPLETE		283217	Rock Creek - Above Rock L Cth A
05/15/2011 11:00	COMPLETE		283217	Rock Creek - Above Rock L Cth A
06/16/2011 08:30	COMPLETE		283217	Rock Creek - Above Rock L Cth A
07/15/2011 12:30	COMPLETE		283217	Rock Creek - Above Rock L Cth A
08/12/2011 10:30	COMPLETE		283217	Rock Creek - Above Rock L Cth A
09/12/2011 10:30	COMPLETE		283217	Rock Creek - Above Rock L Cth A
10/26/2011 10:30	COMPLETE		283217	Rock Creek - Above Rock L Cth A
05/18/2012 09:30	COMPLETE		283217	Rock Creek - Above Rock L Cth A
05/18/2012 12:00	COMPLETE	TIDBITV2	283217	Rock Creek - Above Rock L Cth A
05/18/2012 12:30	COMPLETE		283217	Rock Creek - Above Rock L Cth A
07/09/2012 09:30	COMPLETE		283217	Rock Creek - Above Rock L Cth A
07/09/2012 11:15	COMPLETE		283217	Rock Creek - Above Rock L Cth A
08/02/2012 08:15	COMPLETE		283217	Rock Creek - Above Rock L Cth A
08/02/2012 08:15	COMPLETE		283217	Rock Creek - Above Rock L Cth A
09/12/2012 09:10	COMPLETE		283217	Rock Creek - Above Rock L Cth A
09/12/2012 09:30	COMPLETE		283217	Rock Creek - Above Rock L Cth A
10/09/2012 09:45	COMPLETE		283217	Rock Creek - Above Rock L Cth A

Wisconsin Department of Natural Resources SWIMS Project Summary

Start Date	Status	Field ID	Station ID	Station Name
05/21/2013 10:00	COMPLETE		283217	Rock Creek - Above Rock L Cth A
06/08/2013 18:00	COMPLETE		283217	Rock Creek - Above Rock L Cth A
07/12/2013 09:30	COMPLETE		283217	Rock Creek - Above Rock L Cth A
08/22/2013 14:45	COMPLETE		283217	Rock Creek - Above Rock L Cth A
09/11/2013 09:00	COMPLETE		283217	Rock Creek - Above Rock L Cth A
09/11/2013 09:00	COMPLETE		283217	Rock Creek - Above Rock L Cth A
10/16/2013 11:10	COMPLETE		283217	Rock Creek - Above Rock L Cth A
05/06/2014 12:30	COMPLETE	TIDBITV2	283217	Rock Creek - Above Rock L Cth A
05/14/2014 11:00	COMPLETE		283217	Rock Creek - Above Rock L Cth A
06/09/2014 09:25	COMPLETE		283217	Rock Creek - Above Rock L Cth A
07/03/2014 09:10	COMPLETE		283217	Rock Creek - Above Rock L Cth A
08/05/2014 09:30	COMPLETE		283217	Rock Creek - Above Rock L Cth A
09/04/2014 11:00	COMPLETE		283217	Rock Creek - Above Rock L Cth A
10/10/2014 11:47	COMPLETE		283217	Rock Creek - Above Rock L Cth A
04/29/2015 09:25	COMPLETE	TIDBITV2	283217	Rock Creek - Above Rock L Cth A
06/25/2015 14:40	COMPLETE		283217	Rock Creek - Above Rock L Cth A
07/22/2015 08:55	COMPLETE		283217	Rock Creek - Above Rock L Cth A
08/31/2015 12:40	COMPLETE		283217	Rock Creek - Above Rock L Cth A
10/30/2015 09:10	COMPLETE		283217	Rock Creek - Above Rock L Cth A
05/02/2016 13:00	COMPLETE		283217	Rock Creek - Above Rock L Cth A
06/24/2016 10:15	COMPLETE		283217	Rock Creek - Above Rock L Cth A
07/27/2016 14:40	COMPLETE		283217	Rock Creek - Above Rock L Cth A
08/31/2016 09:20	COMPLETE		283217	Rock Creek - Above Rock L Cth A
09/27/2016 09:20	COMPLETE		283217	Rock Creek - Above Rock L Cth A
10/27/2016 14:05	COMPLETE		283217	Rock Creek - Above Rock L Cth A
05/10/2017 11:30	COMPLETE		283217	Rock Creek - Above Rock L Cth A
05/10/2017 13:00	COMPLETE	TIDBIT V2	283217	Rock Creek - Above Rock L Cth A
06/06/2017 09:12	COMPLETE		283217	Rock Creek - Above Rock L Cth A
07/10/2017 09:00	COMPLETE		283217	Rock Creek - Above Rock L Cth A
08/04/2017 10:30	COMPLETE		283217	Rock Creek - Above Rock L Cth A
08/29/2017 19:35	COMPLETE		283217	Rock Creek - Above Rock L Cth A
09/14/2017 09:09	COMPLETE		283217	Rock Creek - Above Rock L Cth A
10/09/2017 10:30	COMPLETE		283217	Rock Creek - Above Rock L Cth A
05/07/2018 13:12	COMPLETE		283217	Rock Creek - Above Rock L Cth A
06/17/2018 09:15	COMPLETE		283217	Rock Creek - Above Rock L Cth A
06/27/2018 10:20	COMPLETE	HOBO	283217	Rock Creek - Above Rock L Cth A
06/27/2018 22:20	COMPLETE		283217	Rock Creek - Above Rock L Cth A
07/30/2018 09:00	COMPLETE		283217	Rock Creek - Above Rock L Cth A
08/29/2018 13:04	COMPLETE		283217	Rock Creek - Above Rock L Cth A
09/11/2018 10:40	COMPLETE		283217	Rock Creek - Above Rock L Cth A
10/17/2018 10:30	COMPLETE		283217	Rock Creek - Above Rock L Cth A
05/06/2019 13:00	COMPLETE		283217	Rock Creek - Above Rock L Cth A
05/06/2019 13:21	COMPLETE		283217	Rock Creek - Above Rock L Cth A
05/06/2019 15:00	COMPLETE	TIDBIT V2	283217	Rock Creek - Above Rock L Cth A
06/05/2019 09:00	COMPLETE		283217	Rock Creek - Above Rock L Cth A
07/10/2019 09:10	COMPLETE		283217	Rock Creek - Above Rock L Cth A
08/05/2019 09:00	COMPLETE		283217	Rock Creek - Above Rock L Cth A
09/11/2019 09:40	COMPLETE		283217	Rock Creek - Above Rock L Cth A

Wisconsin Department of Natural Resources SWIMS Project Summary

Start Date	Status	Field ID	Station ID	Station Name
10/10/2019 10:40	COMPLETE		283217	Rock Creek - Above Rock L Cth A

Documents

Title	Description	Author	Published	Comments
Clams (dead and alive) observed 5/6/19	This is the freshwater mussel we observed. I believe the one on the right is the first live mussel we have found at this site.	James Kerler	05/06/2019	
June 2018 Downstream photo	Downstream of County Highway A.	Patricia Cicero	07/09/2018	
June 2018 Stream Monitors	The crew at the sampling station: Steve Bower, Jim Kerler, and Carl Glassford	Patricia Cicero	07/09/2018	
June 2018 Upstream photo	Upstream of County Highway A	Patricia Cicero	07/09/2018	
Photo - beetle observed 10/17/2018 - Rock Creek at Highway A, Site ID 28317	WAV station ID 283217. This is the only other macro-invertebrate we observed on 10/17/19 other than Stonefly larvae.	James Kerler	10/17/2018	
Photo for 5/2/16	Photo of monitoring site (DNR landing) on 5/2/16	James Kerler		
Photos 2 for 7/9/12	Canoe landing (monitoring site) showing water level, usually much higher	James Kerler	09/18/2012	
Photos 3 for 7/9/12	New (downstream of culvert) site and "compressed 1 ft" setup for WAV1 flow monitoring as of this date. (See WAV1 database for entries.)	James Kerler	09/18/2012	
Photos for 7/9/12	Site, algae, stream flow setup	James Kerler	09/18/2012	
Snake seen at Rock Creek Highway A Bridge/culvert. (Northern Water snake?)	This apparent northern water snake was observed on the outside of the Highway A culvert on Rock Creek. (One was observed in these rocks on a previous year as well.)	James Kerler	05/06/2019	
Steve Bower at Rock Creek, Highway A site	This is looking down the DNR canoe/boat launch site, showing dead cattails in spring. Monitoring is conducted in stream behind Steve Bower. Flow measurements are conducted about 25 yards downstream at Highway A bridge.	James Kerler	05/06/2019	
Upstream view of Hwy A Culvert on Rock Creek 5/6/19	This is Carl Glassford at the culvert opening where we measure flow. We release a tennis ball and recapture it 50 feet downstream on the other end of this 6 foot diameter culvert. This photo was provided to the Jefferson County board to alert them to erosion of the bank behind/between the rocks around the culvert.	James Kerler	05/06/2019	

Budget

Combined Budgets:

Combined SLOH:

Combined Total:

Funding

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