

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: CBSM-10030231

Name: West Fork Kickapoo River 2 miles up from confluence with Bishop Branch

Type: Citizen Based Stream Monitoring

Subtype: Volunteer Monitoring

Status: ACTIVE

Start Date: 5/16/2009

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
Dean, Tamara	TEAM_MEMBER	ACTIVE	5/16/2009		Valley Stewardship Network	
Grainger, Sarah	DATA_ENTRY	INACTIVE	5/13/2010	1/1/2012	Valley Stewardship Network	
Klann, David	TEAM_MEMBER	ACTIVE	5/16/2009		Valley Stewardship Network	

Wisconsin Department of Natural Resources
SWIMS Project Summary

Krier, Dave	COORDINATOR	ACTIVE	2/19/2019		Valley Stewardship Network	
Leonard, Katya	COORDINATOR	INACTIVE	7/13/2011	1/1/2013	Valley Stewardship Network	
Ramsay, Vicki	COORDINATOR	INACTIVE	1/21/2014	2/5/2015	Valley Stewardship Network	

Project Statuses

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

Actions

Action	Detailed Description	Start Date	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.	1/1/2012		IN_PROGRESS

Monitoring Stations

Station ID	Name	Comments
10030231	West Fork Kickapoo River 2 miles up from confluence with Bishop Branch	

Assessment Units

WBIC	Segment	Local Name	Official Name
1187900	1	W. Fork Kickapoo River	West Fork Kickapoo River

Lab Account Codes

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

Forms

Form Code	Form Name
WAV_2015	WAV Stream Monitoring 2015

Methods

Method Code	Method Description
CBSM_PP_FIELD_METHODS	CBSM Stream Monitoring YSI DO Meter 2009

Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
7/3/2008 8:00	COMPLETE		10030231	West Fork Kickapoo River 2 miles up from confluence with Bishop Branch
8/28/2008 19:00	COMPLETE		10030231	West Fork Kickapoo River 2 miles up from confluence with Bishop Branch
9/28/2008 15:40	COMPLETE		10030231	West Fork Kickapoo River 2 miles up from confluence with Bishop Branch
4/24/2009 19:10	COMPLETE		10030231	West Fork Kickapoo River 2 miles up from confluence with Bishop Branch

7/25/2024

Wisconsin Department of Natural Resources SWIMS Project Summary

5/19/2009 19:30	COMPLETE		10030231	West Fork Kickapoo River 2 miles up from confluence with Bishop Branch
6/14/2009 18:30	COMPLETE		10030231	West Fork Kickapoo River 2 miles up from confluence with Bishop Branch
7/11/2009 15:45	COMPLETE		10030231	West Fork Kickapoo River 2 miles up from confluence with Bishop Branch
8/27/2009 17:30	COMPLETE		10030231	West Fork Kickapoo River 2 miles up from confluence with Bishop Branch
8/27/2009 19:00	COMPLETE	TIDBIT V2	10030231	West Fork Kickapoo River 2 miles up from confluence with Bishop Branch
9/30/2009 18:00	COMPLETE		10030231	West Fork Kickapoo River 2 miles up from confluence with Bishop Branch
10/24/2009 17:30	COMPLETE		10030231	West Fork Kickapoo River 2 miles up from confluence with Bishop Branch
5/31/2010 17:30	COMPLETE		10030231	West Fork Kickapoo River 2 miles up from confluence with Bishop Branch
6/29/2010 12:30	COMPLETE		10030231	West Fork Kickapoo River 2 miles up from confluence with Bishop Branch
7/30/2010 20:15	COMPLETE		10030231	West Fork Kickapoo River 2 miles up from confluence with Bishop Branch
8/29/2010 17:10	COMPLETE	QA_Check	10030231	West Fork Kickapoo River 2 miles up from confluence with Bishop Branch
8/29/2010 20:45	COMPLETE		10030231	West Fork Kickapoo River 2 miles up from confluence with Bishop Branch
9/30/2010 18:45	COMPLETE		10030231	West Fork Kickapoo River 2 miles up from confluence with Bishop Branch
5/28/2011 16:00	COMPLETE		10030231	West Fork Kickapoo River 2 miles up from confluence with Bishop Branch
7/30/2011 15:30	COMPLETE		10030231	West Fork Kickapoo River 2 miles up from confluence with Bishop Branch
8/28/2011 3:30	COMPLETE		10030231	West Fork Kickapoo River 2 miles up from confluence with Bishop Branch
9/30/2011 15:15	COMPLETE		10030231	West Fork Kickapoo River 2 miles up from confluence with Bishop Branch
4/30/2012 16:35	COMPLETE		10030231	West Fork Kickapoo River 2 miles up from confluence with Bishop Branch
6/30/2012 15:35	COMPLETE		10030231	West Fork Kickapoo River 2 miles up from confluence with Bishop Branch
7/31/2012 17:50	COMPLETE		10030231	West Fork Kickapoo River 2 miles up from confluence with Bishop Branch
8/31/2012 17:30	COMPLETE		10030231	West Fork Kickapoo River 2 miles up from confluence with Bishop Branch
9/30/2012 17:35	COMPLETE		10030231	West Fork Kickapoo River 2 miles up from confluence with Bishop Branch
10/31/2012 17:00	COMPLETE		10030231	West Fork Kickapoo River 2 miles up from confluence with Bishop Branch
5/28/2013 12:45	COMPLETE		10030231	West Fork Kickapoo River 2 miles up from confluence with Bishop Branch
6/30/2013 17:00	COMPLETE		10030231	West Fork Kickapoo River 2 miles up from confluence with Bishop Branch
7/31/2013 20:10	COMPLETE		10030231	West Fork Kickapoo River 2 miles up from confluence with Bishop Branch

Wisconsin Department of Natural Resources SWIMS Project Summary

8/31/2013 14:00	COMPLETE		10030231	West Fork Kickapoo River 2 miles up from confluence with Bishop Branch
9/30/2013 18:00	COMPLETE		10030231	West Fork Kickapoo River 2 miles up from confluence with Bishop Branch
11/26/2013 12:15	COMPLETE		10030231	West Fork Kickapoo River 2 miles up from confluence with Bishop Branch
5/4/2014 9:30	COMPLETE		10030231	West Fork Kickapoo River 2 miles up from confluence with Bishop Branch
6/30/2014 12:30	COMPLETE		10030231	West Fork Kickapoo River 2 miles up from confluence with Bishop Branch
7/31/2014	COMPLETE		10030231	West Fork Kickapoo River 2 miles up from confluence with Bishop Branch
8/31/2014 17:50	COMPLETE		10030231	West Fork Kickapoo River 2 miles up from confluence with Bishop Branch
9/30/2014 12:15	COMPLETE		10030231	West Fork Kickapoo River 2 miles up from confluence with Bishop Branch
9/3/2015 11:10	COMPLETE	TIDBIT V2	10030231	West Fork Kickapoo River 2 miles up from confluence with Bishop Branch
5/8/2016 17:45	COMPLETE		10030231	West Fork Kickapoo River 2 miles up from confluence with Bishop Branch
6/1/2016 18:15	COMPLETE		10030231	West Fork Kickapoo River 2 miles up from confluence with Bishop Branch
7/2/2016 17:00	COMPLETE		10030231	West Fork Kickapoo River 2 miles up from confluence with Bishop Branch

Documents

Title	Description	Author	Published	Comments
500 Year Flood of 2007	This photo of the monitoring site was taken 19 August 2007 during the first of two "500-year" floods within 10 months. This perspective is of the monitoring site looking west from the approach to the crossing.	David Klann	10/17/2011	
500 Year Flood of 2008	This composite photo taken during the "500-year" flood on 8 June 2008 shows both the monitoring site (top) early in the day, and the entire floodplain (approx 1300 feet wide) later the same afternoon.	David Klann	10/17/2011	
Flooding August 13, 2010	This photo is the river at our monitoring site during a minor flood. Perspective is looking west from the approach to the crossing.	David Klann	10/17/2011	
Flooding July 15, 2010	Minor flooding at our monitoring site. This perspective is looking west at the approach to the crossing.	David Klann	10/17/2011	
Monitorin Site July, 2014	Image from monitoring site looking downstream (South)	David Klann	7/1/2014	
Monitoring Site at Normal Water Level	This photo (taken 29 Nov. 2009) shows the monitoring site at normal water level.	David Klann	10/17/2011	

Wisconsin Department of Natural Resources
SWIMS Project Summary

Budget

Combined Budgets:
Combined WSLH:
Combined Total: \$0.00

Funding

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