

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

- Project ID:** CBSM-413670
- Name:** Oak Creek east of 13th and south of Ryan Rd
- Type:** Citizen Based Stream Monitoring
- Subtype:** Volunteer Monitoring
- Status:** ACTIVE
- Start Date:** 04/11/2009
- 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
Bosch, Ted	LEAD_EQUIPME	INACTIVE	04/11/2009	01/13/2015	Retired DNR Employee	
Caputo, Angela	TEAM_MEMBER	ACTIVE	07/21/2014		Milwaukee Riverkeeper	
DRISCOLL, ZACHERY G	COORDINATOR	ACTIVE	05/02/2016		Wisconsin DNR	
Lukasz, Brad	TEAM_MEMBER	INACTIVE	02/16/2015	05/01/2017	Milwaukee Riverkeeper	
Nenn, Cheryl	COORDINATOR	ACTIVE	02/13/2015		Milwaukee Riverkeeper	
Rademacher, Katie	COORDINATOR	ACTIVE	12/07/2018		Milwaukee Riverkeeper	
Rath, Joe	COORDINATOR	INACTIVE	03/21/2011	05/03/2017	Milwaukee Riverkeeper	
Rennpferd, John R	TEAM_MEMBER	ACTIVE	05/31/2016			

Project Statuses

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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.		01/01/2012		IN_PROGRESS
Monitoring Stations					
Station ID	Name	Comments			
413670	Oak Creek east of 13th and south of Ryan Rd				
Assessment Units					
WBIC	Segment	Local Name	Official Name		
14500	-9	Oak Creek	Oak 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_PP_FIELD_METHODS	CBSM Stream Monitoring YSI DO Meter 2009				
Fieldwork Events					
Start Date	Status	Field ID	Station ID	Station Name	
06/23/2008 09:45	COMPLETE		413670	Oak Creek east of 13th and south of Ryan Rd	
07/21/2008 10:15	COMPLETE		413670	Oak Creek east of 13th and south of Ryan Rd	
08/18/2008 09:45	COMPLETE		413670	Oak Creek east of 13th and south of Ryan Rd	
04/20/2009	COMPLETE	TIDBIT	413670	Oak Creek east of 13th and south of Ryan Rd	
05/15/2009 09:30	COMPLETE		413670	Oak Creek east of 13th and south of Ryan Rd	
06/12/2009 09:20	COMPLETE		413670	Oak Creek east of 13th and south of Ryan Rd	
07/13/2009 09:00	COMPLETE		413670	Oak Creek east of 13th and south of Ryan Rd	
08/07/2009 09:30	COMPLETE	QA_CHECK	413670	Oak Creek east of 13th and south of Ryan Rd	
08/07/2009 09:30	COMPLETE		413670	Oak Creek east of 13th and south of Ryan Rd	
09/04/2009 09:15	COMPLETE		413670	Oak Creek east of 13th and south of Ryan Rd	
05/03/2010 08:30	COMPLETE		413670	Oak Creek east of 13th and south of Ryan Rd	
05/03/2010 09:00	COMPLETE	TIDBIT	413670	Oak Creek east of 13th and south of Ryan Rd	
06/07/2010 08:15	COMPLETE		413670	Oak Creek east of 13th and south of Ryan Rd	
07/06/2010 09:00	COMPLETE		413670	Oak Creek east of 13th and south of Ryan Rd	
08/02/2010 08:40	COMPLETE		413670	Oak Creek east of 13th and south of Ryan Rd	
09/07/2010 08:50	COMPLETE		413670	Oak Creek east of 13th and south of Ryan Rd	
05/04/2011 09:20	COMPLETE	HOBO	413670	Oak Creek east of 13th and south of Ryan Rd	

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Start Date	Status	Field ID	Station ID	Station Name
05/04/2011 09:55	COMPLETE		413670	Oak Creek east of 13th and south of Ryan Rd
06/14/2011 10:00	COMPLETE		413670	Oak Creek east of 13th and south of Ryan Rd
07/06/2011 09:55	COMPLETE		413670	Oak Creek east of 13th and south of Ryan Rd
08/17/2011 09:15	COMPLETE		413670	Oak Creek east of 13th and south of Ryan Rd
09/07/2011 08:55	COMPLETE		413670	Oak Creek east of 13th and south of Ryan Rd
10/07/2011 09:00	COMPLETE		413670	Oak Creek east of 13th and south of Ryan Rd
04/06/2012 10:30	COMPLETE	TIDBITV2	413670	Oak Creek east of 13th and south of Ryan Rd
04/06/2012 10:30	COMPLETE		413670	Oak Creek east of 13th and south of Ryan Rd
05/04/2012 09:00	COMPLETE		413670	Oak Creek east of 13th and south of Ryan Rd
06/08/2012 08:40	COMPLETE		413670	Oak Creek east of 13th and south of Ryan Rd
07/11/2012 09:00	COMPLETE		413670	Oak Creek east of 13th and south of Ryan Rd
08/06/2012 08:20	COMPLETE		413670	Oak Creek east of 13th and south of Ryan Rd
09/14/2012 09:30	COMPLETE		413670	Oak Creek east of 13th and south of Ryan Rd
10/08/2012 08:00	COMPLETE		413670	Oak Creek east of 13th and south of Ryan Rd
05/01/2013 10:20	COMPLETE	TIDBITV2	413670	Oak Creek east of 13th and south of Ryan Rd
05/01/2013 10:20	COMPLETE		413670	Oak Creek east of 13th and south of Ryan Rd
06/07/2013 09:40	COMPLETE		413670	Oak Creek east of 13th and south of Ryan Rd
07/08/2013 13:30	COMPLETE	QA_Check	413670	Oak Creek east of 13th and south of Ryan Rd
07/08/2013 13:40	COMPLETE		413670	Oak Creek east of 13th and south of Ryan Rd
08/10/2013 09:50	COMPLETE		413670	Oak Creek east of 13th and south of Ryan Rd
09/18/2013 10:15	COMPLETE		413670	Oak Creek east of 13th and south of Ryan Rd
10/09/2013 09:45	COMPLETE		413670	Oak Creek east of 13th and south of Ryan Rd
05/24/2014 11:15	COMPLETE		413670	Oak Creek east of 13th and south of Ryan Rd
06/28/2014 11:20	COMPLETE		413670	Oak Creek east of 13th and south of Ryan Rd
07/19/2014 14:40	COMPLETE		413670	Oak Creek east of 13th and south of Ryan Rd
08/16/2014 14:25	COMPLETE		413670	Oak Creek east of 13th and south of Ryan Rd
09/27/2014 16:25	COMPLETE		413670	Oak Creek east of 13th and south of Ryan Rd
10/19/2014 11:10	COMPLETE		413670	Oak Creek east of 13th and south of Ryan Rd
05/28/2016 09:37	COMPLETE		413670	Oak Creek east of 13th and south of Ryan Rd
06/19/2016 07:30	COMPLETE	OC13-Jun2016	413670	Oak Creek east of 13th and south of Ryan Rd
07/24/2016 08:00	COMPLETE	OC13-Jul2016	413670	Oak Creek east of 13th and south of Ryan Rd
08/28/2016 11:50	COMPLETE	OC13-Aug2016	413670	Oak Creek east of 13th and south of Ryan Rd
09/25/2016 11:30	COMPLETE	OC13-Sep2016	413670	Oak Creek east of 13th and south of Ryan Rd
10/23/2016 10:20	COMPLETE	OC13-Oct2016	413670	Oak Creek east of 13th and south of Ryan Rd

Documents

Title	Description	Author	Published	Comments
Oak Creek East of 13th Photo (14500)	Oak Creek East of 13th, and downstream of testing site.	John Rennpferd	06/19/2016	
Oak Creek North of 13th Photo 3 (14500)	Oak Creek North of 13th facing the interstate.	John Rennpferd	06/19/2016	
Oak Creek West of 13th Photo 2 (14500)	Oak Creek west of 13th with interstate in background. 14500	John Rennpferd	06/19/2016	

Budget

Combined Budgets:
Combined SLOH:
Combined Total:

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Funding

Organization	Source	Type	Amount	Start Date	End Date
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