

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID:	CBSM-10044917
Name:	Richland Creek at Byers Road
Type:	Citizen Based Stream Monitoring
Subtype:	Volunteer Monitoring
Status:	ACTIVE
Start Date:	12/31/2099
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
Brooks, Ellen K.	TEAM_MEMBER	ACTIVE	5/9/2016		Valley Stewardship Network	
Byrne, Kathleen	COORDINATOR	ACTIVE	6/13/2016		Crawford Stewardship Project	
Hackett, Dave	TEAM_MEMBER	ACTIVE	5/9/2016		Valley Stewardship Network	

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Heras Ornelas, Omaru	COORDINATOR	ACTIVE	8/21/2018		Crawford Stewardship Project	
Hiller, Deb and Bill	TEAM_MEMBER	ACTIVE	5/10/2017			
Riddet, Michael	TEAM_MEMBER	ACTIVE	6/13/2016	5/10/2017	Crawford Stewardship Project	
Silet, Karin	TEAM_MEMBER	ACTIVE	5/15/2024		Crawford Stewardship Project WAV volunteer	
Wise, Meg	COORDINATOR	ACTIVE	11/1/2016		Crawford Stewardship Project	

Project Statuses

Date	Reported By	Status	Comments
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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.	12/31/2099	12/31/2099	IN_PROGRESS

Monitoring Stations

Station ID	Name	Comments
10044917	Richland Creek at Byers Road	

Assessment Units

WBIC	Segment	Local Name	Official Name
1206000	1	Richland Creek	Richland Creek

Lab Account Codes

Account Code	Description	Start Date	End Date
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Forms

Form Code	Form Name
WAV_2015	WAV Stream Monitoring 2015

Methods

Method Code	Method Description
CBSM_FIELD_METHODS_STRE AM_CHEMISTRY	CBSM Field Methods for Stream Monitoring 2010

Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
5/26/2016 9:15	COMPLETE		10044917	Richland Creek at Byers Road
6/14/2016 9:30	COMPLETE		10044917	Richland Creek at Byers Road
7/12/2016 10:00	COMPLETE		10044917	Richland Creek at Byers Road

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8/11/2016 17:00	COMPLETE		10044917	Richland Creek at Byers Road
9/13/2016 9:30	COMPLETE		10044917	Richland Creek at Byers Road
10/11/2016 9:05	COMPLETE		10044917	Richland Creek at Byers Road
5/8/2017 10:45	COMPLETE		10044917	Richland Creek at Byers Road
6/12/2017 8:22	COMPLETE		10044917	Richland Creek at Byers Road
7/10/2017 8:20	COMPLETE		10044917	Richland Creek at Byers Road
8/14/2017 8:30	COMPLETE		10044917	Richland Creek at Byers Road
9/11/2017 8:20	COMPLETE		10044917	Richland Creek at Byers Road
10/8/2017 8:20	COMPLETE		10044917	Richland Creek at Byers Road
4/23/2018 16:15	COMPLETE	TIDBIT V2	10044917	Richland Creek at Byers Road
5/14/2018 8:27	COMPLETE		10044917	Richland Creek at Byers Road
6/11/2018 8:20	COMPLETE		10044917	Richland Creek at Byers Road
7/9/2018 7:55	COMPLETE		10044917	Richland Creek at Byers Road
8/13/2018 8:35	COMPLETE		10044917	Richland Creek at Byers Road
9/10/2018 8:45	COMPLETE		10044917	Richland Creek at Byers Road
10/8/2018 8:20	COMPLETE		10044917	Richland Creek at Byers Road
5/7/2019 9:36	COMPLETE		10044917	Richland Creek at Byers Road
6/4/2019 7:45	COMPLETE		10044917	Richland Creek at Byers Road
6/7/2019 10:30	COMPLETE		10044917	Richland Creek at Byers Road
7/2/2019 8:10	COMPLETE		10044917	Richland Creek at Byers Road
8/6/2019 8:12	COMPLETE		10044917	Richland Creek at Byers Road
9/3/2019 8:15	COMPLETE		10044917	Richland Creek at Byers Road
9/30/2019 11:08	COMPLETE		10044917	Richland Creek at Byers Road
4/15/2020 8:30	COMPLETE		10044917	Richland Creek at Byers Road
5/12/2020 8:10	COMPLETE		10044917	Richland Creek at Byers Road
6/2/2020 8:05	COMPLETE		10044917	Richland Creek at Byers Road
7/7/2020 7:55	COMPLETE		10044917	Richland Creek at Byers Road
8/4/2020 8:15	COMPLETE		10044917	Richland Creek at Byers Road
9/1/2020 8:20	COMPLETE		10044917	Richland Creek at Byers Road
10/6/2020 8:00	COMPLETE		10044917	Richland Creek at Byers Road
5/4/2021 7:55	COMPLETE		10044917	Richland Creek at Byers Road
6/1/2021 8:02	COMPLETE		10044917	Richland Creek at Byers Road
7/6/2021 7:55	COMPLETE		10044917	Richland Creek at Byers Road
8/3/2021 7:55	COMPLETE		10044917	Richland Creek at Byers Road
9/7/2021 8:02	COMPLETE		10044917	Richland Creek at Byers Road

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10/5/2021 7:56	COMPLETE		10044917	Richland Creek at Byers Road
5/3/2022 15:45	COMPLETE		10044917	Richland Creek at Byers Road
6/7/2022 7:58	COMPLETE		10044917	Richland Creek at Byers Road
7/5/2022 8:02	COMPLETE		10044917	Richland Creek at Byers Road
8/2/2022 8:00	COMPLETE		10044917	Richland Creek at Byers Road
9/5/2022 8:01	COMPLETE		10044917	Richland Creek at Byers Road
10/4/2022 7:45	COMPLETE		10044917	Richland Creek at Byers Road
10/31/2022	COMPLETE		10044917	Richland Creek at Byers Road
4/13/2023	COMPLETE		10044917	Richland Creek at Byers Road
5/9/2023 8:00	COMPLETE		10044917	Richland Creek at Byers Road
6/13/2023 8:07	COMPLETE		10044917	Richland Creek at Byers Road
7/11/2023 8:05	COMPLETE		10044917	Richland Creek at Byers Road
8/8/2023 8:02	COMPLETE		10044917	Richland Creek at Byers Road
9/12/2023 8:10	COMPLETE		10044917	Richland Creek at Byers Road
10/16/2023 7:50	COMPLETE		10044917	Richland Creek at Byers Road
5/6/2024 10:15	COMPLETE		10044917	Richland Creek at Byers Road
6/3/2024 10:45	COMPLETE		10044917	Richland Creek at Byers Road

Documents

Title	Description	Author	Published	Comments
2017 May Richland Creek at Byers Rd	May 2017 Richland Creek at Byers Rd entrance marker. NOTE - photo titled 201706 Richland Creek at Byers Rd upstream should be 201705	Hiller	5/1/2017	
201705 Richland Creek at Byers Rd downstream	Richland Creek at Byers Rd looking downstream from testing site	Hiller	5/1/2017	
201705 Richland Creek at Byers Rd testing site	May 2017 Richland Creek at Byers Rd testing site	Hiller	5/1/2017	
201706 Richland Cr at Byers	201706 Richland Cr at Byers testing site	Hiller	6/1/2017	
201706 Richland Cr at Byers downstream	201706 Richland Cr at Byers downstream	Hiller	6/1/2017	
201706 Richland Cr at Byers upatream good	201706 Richland Cr at Byers upstream (this is the correct photo - the other named for this date is May)	Hiller	6/1/2017	
201706 Richland Creek at Byers Rd upstream	June 2017 Richland Creek at Byers Rd upstream from testing site	Hiller	6/1/2017	
201707 Richland Cr at Byers Rd downstream	201707 Richland Cr at Byers Rd downstream	Hiller	7/1/2017	
201707 Richland Cr at Byers Rd testing site	201707 Richland Cr at Byers Rd testing site	Hiller	7/1/2017	

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201707 Richland Cr at Byers Rd upstream	201707 Richland Cr at Byers Rd upstream	Hiller	7/1/2017	
201708 RichlandDownstream	201708RichlandDownstream at Byers	Hiller	8/1/2017	
201708 RichlandTestsite	201708RichlandTestsite at Byers	Hiller	8/1/2017	
201708 RichlandUpstream	201708RichlandUpstream at Byers	Hiller	8/1/2017	
201709 RichlandDownstream	201709RichlandDownstream at Byers	Hiller	9/1/2017	
201709 RichlandTestsite	201709RichlandTestsite at Byers	Hiller	9/1/2017	
201709 RichlandUpstream	201709RichlandUpstream at Byers	Hiller	9/1/2017	
201710 RichlandDownstream	201710RichlandDownstream at Byers	Hiller	10/1/2017	
201710 RichlandTestsite	201710RichlandTestsite at Byers	Hiller	10/1/2017	
201710 RichlandUpstream	201710RichlandUpstream at Byers	Hiller	10/1/2017	
201710 RichlandUpstreamErosion	201710RichlandUpstreamErosion at Byers, erosion and stream meander upstream of test site	Hiller	10/1/2017	
201804RichlandDownstream	201804 View RichlandDownstream	Hiller	4/1/2018	
201804RichlandTestSite	201804 View RichlandTestSite	Hiller	4/1/2018	
201804RichlandUpstream	201804 View RichlandUpstream	Hiller	4/1/2018	
201805RichlandCreekDownstream	201805RichlandCreekDownstream	Hiller	5/1/2018	
201805RichlandCreekTestSite	201805RichlandCreekTestSite	Hiller	5/1/2018	
201805RichlandCreekUpstream	201805RichlandCreekUpstream	Hiller	5/1/2018	
201806RichlandDownstream	201806RichlandDownstream	Hiller	6/1/2018	
201806RichlandTestingSite	201806RichlandTestingSite	Hiller	6/1/2018	
201806RichlandUpstream	201806RichlandUpstream	Hiller	6/1/2018	
201807RichlandDownstream	201807 View RichlandDownstream	Hiller	7/1/2018	
201807RichlandTestSite	201807 View RichlandTestSite	Hiller	7/1/2018	
201807RichlandUpstream	201807 View RichlandUpstream	Hiller	7/1/2018	
201808RichlandDownstream	201808 view RichlandDownstream	Hiller	8/1/2018	
201808RichlandTestSite	201808 View RichlandTestSite	Hiller	8/1/2018	
201808RichlandUpstream	201808 View RichlandUpstream	Hiller	8/1/2018	
201809RichlandDownstream	201809 View RichlandDownstream	Hiller	9/1/2018	
201809RichlandTestSite	201809 View RichlandTestSite	Hiller	9/1/2018	
201809RichlandUpstream	201809 View RichlandUpstream	Hiller	9/1/2018	
201810RichlandDownstream	201810 Richland Downstream after heavy rains	Hiller	10/1/2018	

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201810RichlandTestsite	201810 Richland Testsite after heavy rains	Hiller	10/1/2018	
201810RichlandUpstream	201810 Richland Upstream after heavy rains	Hiller	10/1/2018	
201810WAVcoordinator	201810 WAV coordinator brings tea after testing at Richland!	Hiller	10/1/2018	
201905 boydtown downstream	201905 boydtown downstream	Hiller	5/1/2019	
201905 boydtown testsite	201905 boydtown testsite	hiller	5/1/2019	
201905richland algae	201905 richland creek algae growth more abundant than usual	Hiller	5/1/2019	
201905richland downstream	201905richland downstream	Hiller	5/1/2019	
201905richland testsite	201905richland testsite	Hiller	5/1/2019	
201905richland upstream	201905richland upstream	Hiller	5/1/2019	
201906richland downstream	201906richland downstream	Hiller	6/1/2019	
201906richland testsite	201906richland testsite	Hiller	6/1/2019	
201906richland upstream	201906richland upstream	Hiller	6/1/2019	
201907richland downstream	201907richland downstream	Hiller	7/1/2019	
201907richland testsite	201907richland testsite	Hiller	7/1/2019	
201907richland upstream	201907richland upstream	Hiller	7/1/2019	
201908richland downstream	201908richland downstream	Hiller	8/1/2019	
201908richland testsite	201908richland testsite	Hiller	8/1/2019	
201908richland upstream	201908richland upstream	Hiller	8/1/2019	
201909richland downstream	201909richland downstream	Hiller	9/1/2019	
201909richland testsite	201909richland testsite	Hiller	9/1/2019	
201909richland upstream	201909richland upstream	Hiller	9/1/2019	
201910richland downstream	201910richland downstream	Hiller	10/1/2019	
201910richland testsite	201910richland testsite	Hiller	10/1/2019	
201910richland upstream	201910richland upstream	Hiller	10/1/2019	
202004Richland downstream	202004Richland downstream	Hiller	4/1/2020	
202004Richland testsite	202004Richland testsite	Hiller	4/1/2020	
202004Richland upstream	202004Richland upstream	Hiller	4/1/2020	
202005Richland downstream	202005Richland downstream	Hiller	5/1/2020	
202005Richland testsite	202005Richland testsite	Hiller	5/1/2020	
202005Richland upstream	202005Richland upstream	Hiller	5/1/2020	
202006Richland downstream	202006Richland downstream	Hiller	6/1/2020	

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202006Richland testsite	202006Richland testsite	Hiller	6/1/2020	
202006Richland upstream	202006Richland upstream	Hiller	6/1/2020	
202007Richland downstream	202007Richland downstream	Hiller	7/1/2020	
202007Richland testsite	202007Richland testsite	Hiller	7/1/2020	
202007Richland upstream	202007Richland upstream	Hiller	7/1/2020	
202008Richland downstream	202008Richland downstream	Hiller	8/1/2020	
202008Richland testsite	202008Richland testsite	Hiller	8/1/2020	
202008Richland upstream	202008Richland upstream	Hiller	8/1/2020	
202009Richland downstream	202009Richland downstream	Hiller	9/1/2020	
202009Richland testsite	202009Richland testsite	Hiller	9/1/2020	
202009Richland upstream	202009Richland upstream	Hiller	9/1/2020	
202010Richland downstream	202010Richland downstream	Hiller	10/1/2020	
202010Richland testsite	202010Richland testsite	Hiller	10/1/2020	
202010Richland upstream	202010Richland upstream	Hiller	10/1/2020	

Budget

Combined Budgets:

Combined WSLH:

Combined Total: \$0.00

Funding

Organization	Source	Type	Amount	Start Date	End Date
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