

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID:	CBSM-413841
Name:	Milwaukee River at Hubbard Park
Type:	Citizen Based Stream Monitoring
Subtype:	Volunteer Monitoring
Status:	ACTIVE
Start Date:	4/15/2006
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:	No CBSM document for 2007 monitoring season.
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
Amundson, Janet	TEAM_MEMBER	INACTIVE	4/15/2006		Milwaukee Riverkeeper	
Bott, Ethan	COORDINATOR	INACTIVE	1/25/2019		Urban Ecology Center	
Buckler, Daniel	TEAM_MEMBER	ACTIVE	2/6/2015		Milwaukee Riverkeeper	
DRISCOLL, ZACHERY G	COORDINATOR	INACTIVE	5/2/2016	4/29/2019	Wisconsin DNR	

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Frecska, Rick	TEAM_MEMBER	ACTIVE	5/19/2009		Milwaukee Riverkeeper	
Kalmer, William A.	TEAM_MEMBER	INACTIVE	4/15/2006		Milwaukee Riverkeeper	
Larsen, Amanda	TEAM_MEMBER	ACTIVE	6/24/2013		Cedarburg Science	
Loy, John	TEAM_MEMBER	ACTIVE	6/24/2013		Milwaukee Riverkeeper	
Lukasz, Brad	TEAM_MEMBER	INACTIVE	2/16/2015	5/1/2017	Milwaukee Riverkeeper	
Nenn, Cheryl	COORDINATOR	ACTIVE	2/12/2015		Milwaukee Riverkeeper	
Orlando, Jessica	COORDINATOR	INACTIVE	10/24/2016	1/25/2019	Urban Ecology Center	
Rademacher, Katie	COORDINATOR	ACTIVE	12/6/2018		Milwaukee Riverkeeper	
Rath, Joe	COORDINATOR	INACTIVE	6/29/2010	5/25/2017	Milwaukee Riverkeeper	
Rathkamp, Tim	TEAM_MEMBER	ACTIVE	6/12/2018		Milwaukee Riverkeeper	
Stangel, Matt	TEAM_MEMBER	ACTIVE	9/8/2015			
VanSlett, Charisse	TEAM_MEMBER	ACTIVE	5/10/2019		Milwaukee Riverkeeper	

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.	1/1/2012		IN_PROGRESS

Monitoring Stations

Station ID	Name	Comments
413841	Milwaukee River at Hubbard Park	

Assessment Units

WBIC	Segment	Local Name	Official Name
15000	2	Milwaukee River	Milwaukee River

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_PP_FIELD_METHODS	CBSM Stream Monitoring YSI DO Meter 2009

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Fieldwork Events				
Start Date	Status	Field ID	Station ID	Station Name
7/6/2006 18:00	COMPLETE		413841	Milwaukee River at Hubbard Park
7/6/2006 18:00	COMPLETE		413841	Milwaukee River at Hubbard Park
9/18/2006 18:00	COMPLETE		413841	Milwaukee River at Hubbard Park
6/24/2007 14:35	COMPLETE		413841	Milwaukee River at Hubbard Park
7/22/2007 14:50	COMPLETE		413841	Milwaukee River at Hubbard Park
8/26/2007 15:05	COMPLETE		413841	Milwaukee River at Hubbard Park
9/16/2007 17:30	COMPLETE		413841	Milwaukee River at Hubbard Park
5/7/2009 17:10	COMPLETE		413841	Milwaukee River at Hubbard Park
5/18/2009 13:20	COMPLETE		413841	Milwaukee River at Hubbard Park
6/3/2009 13:45	COMPLETE		413841	Milwaukee River at Hubbard Park
6/26/2009 10:50	COMPLETE		413841	Milwaukee River at Hubbard Park
7/7/2009 15:20	COMPLETE		413841	Milwaukee River at Hubbard Park
8/6/2009 13:45	COMPLETE		413841	Milwaukee River at Hubbard Park
9/11/2009 10:55	COMPLETE		413841	Milwaukee River at Hubbard Park
10/14/2010 16:00	COMPLETE		413841	Milwaukee River at Hubbard Park
10/14/2010 16:00	COMPLETE		413841	Milwaukee River at Hubbard Park
5/30/2013 8:30	COMPLETE		413841	Milwaukee River at Hubbard Park
5/30/2013 8:30	COMPLETE		413841	Milwaukee River at Hubbard Park
6/23/2013 9:30	COMPLETE		413841	Milwaukee River at Hubbard Park
6/23/2013 9:30	COMPLETE		413841	Milwaukee River at Hubbard Park
8/3/2013	COMPLETE		413841	Milwaukee River at Hubbard Park
5/16/2014 11:20	COMPLETE		413841	Milwaukee River at Hubbard Park
5/18/2014 12:15	COMPLETE		413841	Milwaukee River at Hubbard Park
6/26/2014 8:20	COMPLETE		413841	Milwaukee River at Hubbard Park
6/27/2014 12:15	COMPLETE		413841	Milwaukee River at Hubbard Park
7/23/2014 7:20	COMPLETE		413841	Milwaukee River at Hubbard Park
8/3/2014 14:15	COMPLETE		413841	Milwaukee River at Hubbard Park
8/18/2014 9:00	COMPLETE		413841	Milwaukee River at Hubbard Park
9/26/2014 16:28	COMPLETE		413841	Milwaukee River at Hubbard Park
10/5/2014 16:00	COMPLETE		413841	Milwaukee River at Hubbard Park
10/24/2014 17:00	COMPLETE		413841	Milwaukee River at Hubbard Park
5/6/2016 9:00	COMPLETE		413841	Milwaukee River at Hubbard Park
5/6/2016 13:00	COMPLETE		413841	Milwaukee River at Hubbard Park

7/25/2024

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5/11/2016 9:00	COMPLETE		413841	Milwaukee River at Hubbard Park
5/11/2016 13:00	COMPLETE		413841	Milwaukee River at Hubbard Park
5/19/2016 9:00	COMPLETE		413841	Milwaukee River at Hubbard Park
5/19/2016 13:00	COMPLETE		413841	Milwaukee River at Hubbard Park
6/2/2016	COMPLETE		413841	Milwaukee River at Hubbard Park
6/7/2016	COMPLETE		413841	Milwaukee River at Hubbard Park
9/15/2016 9:00	COMPLETE		413841	Milwaukee River at Hubbard Park
9/15/2016 13:00	COMPLETE		413841	Milwaukee River at Hubbard Park
10/13/2016 9:00	COMPLETE		413841	Milwaukee River at Hubbard Park
10/13/2016 13:00	COMPLETE		413841	Milwaukee River at Hubbard Park
10/25/2016 12:00	COMPLETE		413841	Milwaukee River at Hubbard Park
5/8/2017 9:00	COMPLETE		413841	Milwaukee River at Hubbard Park
5/8/2017 13:00	COMPLETE		413841	Milwaukee River at Hubbard Park
6/7/2017	COMPLETE		413841	Milwaukee River at Hubbard Park
7/6/2017 13:10	COMPLETE		413841	Milwaukee River at Hubbard Park
8/25/2017 17:00	COMPLETE		413841	Milwaukee River at Hubbard Park
9/21/2017 9:00	COMPLETE		413841	Milwaukee River at Hubbard Park
9/21/2017 13:00	COMPLETE		413841	Milwaukee River at Hubbard Park
9/28/2017 9:00	COMPLETE		413841	Milwaukee River at Hubbard Park
9/28/2017 13:00	COMPLETE		413841	Milwaukee River at Hubbard Park
10/9/2017	COMPLETE		413841	Milwaukee River at Hubbard Park
6/16/2018	COMPLETE		413841	Milwaukee River at Hubbard Park
7/28/2018 8:15	COMPLETE		413841	Milwaukee River at Hubbard Park
8/25/2018 8:15	COMPLETE		413841	Milwaukee River at Hubbard Park
9/15/2018 8:15	COMPLETE		413841	Milwaukee River at Hubbard Park
10/13/2018 8:30	COMPLETE		413841	Milwaukee River at Hubbard Park
5/30/2019 11:30	COMPLETE		413841	Milwaukee River at Hubbard Park
6/23/2019 11:00	COMPLETE		413841	Milwaukee River at Hubbard Park
7/29/2019 12:00	COMPLETE		413841	Milwaukee River at Hubbard Park
8/30/2019 11:00	COMPLETE		413841	Milwaukee River at Hubbard Park
9/28/2019 12:00	COMPLETE		413841	Milwaukee River at Hubbard Park
7/18/2020 9:30	COMPLETE		413841	Milwaukee River at Hubbard Park
8/15/2020 9:40	COMPLETE		413841	Milwaukee River at Hubbard Park
9/26/2020 9:50	COMPLETE		413841	Milwaukee River at Hubbard Park
4/24/2021 8:55	COMPLETE		413841	Milwaukee River at Hubbard Park

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5/22/2021 8:55	COMPLETE		413841	Milwaukee River at Hubbard Park
6/26/2021 9:40	COMPLETE		413841	Milwaukee River at Hubbard Park
7/10/2021 10:00	COMPLETE		413841	Milwaukee River at Hubbard Park
8/21/2021 9:30	COMPLETE		413841	Milwaukee River at Hubbard Park
9/17/2021	COMPLETE		413841	Milwaukee River at Hubbard Park
10/9/2021 9:30	COMPLETE		413841	Milwaukee River at Hubbard Park

Documents

Title	Description	Author	Published	Comments
Milwaukee River near Cedarburg	Milwaukee River near Cedarburg, Photo Courtesy of Milwaukee Sweetwater Trust.	Sweetwater Trust	7/14/2012	

Budget

Combined Budgets:

Combined WSLH:

Combined Total: \$0.00

Funding

Organization	Source	Type	Amount	Start Date	End Date
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