

## Wisconsin Department of Natural Resources SWIMS Project Summary

### General Project Information

<b>Project ID:</b>	CBSM-10032538
<b>Name:</b>	Lily Creek at Good Hope Road near Menomonee Falls
<b>Type:</b>	Citizen Based Stream Monitoring
<b>Subtype:</b>	Volunteer Monitoring
<b>Status:</b>	ACTIVE
<b>Start Date:</b>	05/20/2011
<b>End Date:</b>	12/31/2099
<b>Purpose:</b>	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.
<b>Objective:</b>	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.
<b>Comments:</b>	
<b>Outcome:</b>	
<b>Study Design:</b>	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.
<b>QA Measures:</b>	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
Carey, Kendra	TEAM_MEMBER	ACTIVE	05/30/2018		Milwaukee Riverkeeper	
DRISCOLL, ZACHERY G	COORDINATOR	ACTIVE	04/26/2016		Wisconsin DNR	
Fitzgerald, Joe	TEAM_MEMBER	ACTIVE	10/30/2019		Milwaukee Riverkeeper	
Hitch, Christopher	TEAM_MEMBER	ACTIVE	05/20/2011		Milwaukee Riverkeeper	
Lukasz, Brad	TEAM_MEMBER	INACTIVE	02/16/2015	05/01/2017	Milwaukee Riverkeeper	
Nenn, Cheryl	COORDINATOR	ACTIVE	02/11/2015		Milwaukee Riverkeeper	
Rademacher, Katie	COORDINATOR	ACTIVE	12/06/2018		Milwaukee Riverkeeper	
Rath, Joe	COORDINATOR	INACTIVE	12/20/2011	05/02/2017	Milwaukee Riverkeeper	
Tutkowski, Jason	TEAM_MEMBER	ACTIVE	06/08/2016		Carroll University	

### Project Statuses

## Wisconsin Department of Natural Resources SWIMS Project Summary

Date	Reported By	Status	Comments	
<b>Actions</b>				
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
10032538	Lilly Creek at Good Hope Rd near Menomonee Falls	

Assessment Units			
WBIC	Segment	Local Name	Official Name
18400	1	Lilly Creek	Unnamed

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
05/11/2011 07:15	COMPLETE		10032538	Lilly Creek at Good Hope Rd near Menomonee Falls
05/11/2011 07:30	COMPLETE	HOBO	10032538	Lilly Creek at Good Hope Rd near Menomonee Falls
06/08/2011 07:05	COMPLETE		10032538	Lilly Creek at Good Hope Rd near Menomonee Falls
07/13/2011 09:55	COMPLETE		10032538	Lilly Creek at Good Hope Rd near Menomonee Falls
08/14/2011 08:05	COMPLETE		10032538	Lilly Creek at Good Hope Rd near Menomonee Falls
09/20/2011 08:40	COMPLETE		10032538	Lilly Creek at Good Hope Rd near Menomonee Falls
05/31/2012 16:30	COMPLETE	TIDBITV2	10032538	Lilly Creek at Good Hope Rd near Menomonee Falls
05/31/2012 16:30	COMPLETE		10032538	Lilly Creek at Good Hope Rd near Menomonee Falls
06/30/2012 11:50	COMPLETE		10032538	Lilly Creek at Good Hope Rd near Menomonee Falls
07/31/2012 11:35	COMPLETE		10032538	Lilly Creek at Good Hope Rd near Menomonee Falls
08/28/2012 12:35	COMPLETE		10032538	Lilly Creek at Good Hope Rd near Menomonee Falls
09/29/2012 13:45	COMPLETE		10032538	Lilly Creek at Good Hope Rd near Menomonee Falls
10/30/2012 12:25	COMPLETE		10032538	Lilly Creek at Good Hope Rd near Menomonee Falls
05/30/2013 09:30	COMPLETE		10032538	Lilly Creek at Good Hope Rd near Menomonee Falls
09/26/2013	COMPLETE		10032538	Lilly Creek at Good Hope Rd near Menomonee Falls
10/28/2013 11:10	COMPLETE	NA	10032538	Lilly Creek at Good Hope Rd near Menomonee Falls
10/28/2013 11:10	COMPLETE		10032538	Lilly Creek at Good Hope Rd near Menomonee Falls

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Start Date	Status	Field ID	Station ID	Station Name
07/22/2014 10:40	COMPLETE		10032538	Lilly Creek at Good Hope Rd near Menomonee Falls
09/26/2014 09:55	COMPLETE		10032538	Lilly Creek at Good Hope Rd near Menomonee Falls
10/24/2014 09:30	COMPLETE		10032538	Lilly Creek at Good Hope Rd near Menomonee Falls
05/31/2015 15:30	COMPLETE		10032538	Lilly Creek at Good Hope Rd near Menomonee Falls
09/30/2015 11:45	COMPLETE		10032538	Lilly Creek at Good Hope Rd near Menomonee Falls
06/13/2016 10:25	COMPLETE	LILY-JUN2016	10032538	Lilly Creek at Good Hope Rd near Menomonee Falls
06/13/2016 19:50	COMPLETE		10032538	Lilly Creek at Good Hope Rd near Menomonee Falls
07/15/2016 11:20	COMPLETE	LILY-JUL2016	10032538	Lilly Creek at Good Hope Rd near Menomonee Falls
07/15/2016 11:20	COMPLETE		10032538	Lilly Creek at Good Hope Rd near Menomonee Falls
08/15/2016 15:15	COMPLETE		10032538	Lilly Creek at Good Hope Rd near Menomonee Falls
08/15/2016 15:20	COMPLETE	LILY-AUG2016	10032538	Lilly Creek at Good Hope Rd near Menomonee Falls
08/16/2016 16:20	COMPLETE		10032538	Lilly Creek at Good Hope Rd near Menomonee Falls
09/17/2016 10:20	COMPLETE	LILY-SEP-2016	10032538	Lilly Creek at Good Hope Rd near Menomonee Falls
09/17/2016 10:20	COMPLETE		10032538	Lilly Creek at Good Hope Rd near Menomonee Falls
10/14/2016 14:40	COMPLETE	LILY-OCT2016	10032538	Lilly Creek at Good Hope Rd near Menomonee Falls
10/14/2016 14:40	COMPLETE		10032538	Lilly Creek at Good Hope Rd near Menomonee Falls
05/25/2017 09:10	COMPLETE		10032538	Lilly Creek at Good Hope Rd near Menomonee Falls
06/24/2017 09:10	COMPLETE		10032538	Lilly Creek at Good Hope Rd near Menomonee Falls
07/24/2017 12:50	COMPLETE		10032538	Lilly Creek at Good Hope Rd near Menomonee Falls
08/25/2017 10:45	COMPLETE		10032538	Lilly Creek at Good Hope Rd near Menomonee Falls
09/25/2017 09:38	COMPLETE		10032538	Lilly Creek at Good Hope Rd near Menomonee Falls
10/23/2017 13:40	COMPLETE		10032538	Lilly Creek at Good Hope Rd near Menomonee Falls
05/12/2018 13:00	COMPLETE		10032538	Lilly Creek at Good Hope Rd near Menomonee Falls
07/03/2018 13:24	COMPLETE		10032538	Lilly Creek at Good Hope Rd near Menomonee Falls
08/02/2018 13:30	COMPLETE		10032538	Lilly Creek at Good Hope Rd near Menomonee Falls
09/11/2018 12:45	COMPLETE		10032538	Lilly Creek at Good Hope Rd near Menomonee Falls
10/04/2018 11:04	COMPLETE		10032538	Lilly Creek at Good Hope Rd near Menomonee Falls
05/19/2019 02:05	COMPLETE		10032538	Lilly Creek at Good Hope Rd near Menomonee Falls
05/19/2019 17:34	COMPLETE	2019_10032538_	10032538	Lilly Creek at Good Hope Rd near Menomonee Falls
06/25/2019 17:36	COMPLETE		10032538	Lilly Creek at Good Hope Rd near Menomonee Falls
07/29/2019 18:24	COMPLETE	2019_10032538_	10032538	Lilly Creek at Good Hope Rd near Menomonee Falls
07/19/2020 05:18	COMPLETE		10032538	Lilly Creek at Good Hope Rd near Menomonee Falls
10/03/2020 15:00	COMPLETE		10032538	Lilly Creek at Good Hope Rd near Menomonee Falls
10/04/2020 04:51	COMPLETE		10032538	Lilly Creek at Good Hope Rd near Menomonee Falls

### Documents

Title	Description	Author	Published	Comments
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### Budget

**Combined Budgets:**  
**Combined SLOH:**  
**Combined Total:**

### Funding

Organization	Source	Type	Amount	Start Date	End Date
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