

## Wisconsin Department of Natural Resources SWIMS Project Summary

### General Project Information

- Project ID:** CBSM-10011966
- Name:** Badger Mill Creek at 69 Upstream to Fenceline
- 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:**
- 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
Bunting, Hannah	COORDINATOR	ACTIVE	7/27/2021		Upper Sugar River Watershed Association	
Keen, Bill	TEAM_MEMBER	ACTIVE	4/15/0006		Upper Sugar River Watershed Association	
Keen, Lisa	TEAM_MEMBER	ACTIVE	4/15/0006		Upper Sugar River Watershed Association	

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Moder, Wade	LEAD_EQUIPMENT	INACTIVE	7/1/2010	2/28/2023	Upper Sugar River Watershed Association	
Moder, Wade	LEAD_EQUIPMENT	ACTIVE	7/1/2010		Upper Sugar River Watershed Association	
Olson, Becky	LEAD_EQUIPMENT	INACTIVE	8/4/2009		Upper Sugar River Watershed Association	

### 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
10011966	Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture	

### Assessment Units

WBIC	Segment	Local Name	Official Name
888100	1	Badger Mill Creek	Badger Mill 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_PP_FIELD_METHODS	CBSM Stream Monitoring YSI DO Meter 2009

### Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
5/15/2007 17:00	COMPLETE		10011966	Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture
6/12/2007 16:45	COMPLETE		10011966	Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture
7/13/2007 16:15	COMPLETE		10011966	Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture
8/14/2007 17:35	COMPLETE		10011966	Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture

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9/11/2007 17:05	COMPLETE		10011966	Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture
5/13/2008 17:10	COMPLETE		10011966	Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture
6/17/2008 18:00	COMPLETE		10011966	Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture
7/15/2008 18:20	COMPLETE		10011966	Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture
8/19/2008 16:35	COMPLETE		10011966	Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture
5/15/2009 16:10	COMPLETE		10011966	Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture
6/9/2009 17:15	COMPLETE		10011966	Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture
7/14/2009 17:25	COMPLETE		10011966	Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture
8/11/2009 16:35	COMPLETE		10011966	Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture
9/11/2009 16:45	COMPLETE		10011966	Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture
5/14/2010 18:00	COMPLETE		10011966	Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture
5/22/2010 15:00	COMPLETE	TIDBIT	10011966	Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture
6/16/2010 18:00	COMPLETE		10011966	Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture
7/13/2010 16:30	COMPLETE		10011966	Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture
8/12/2010 16:50	COMPLETE		10011966	Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture
9/16/2010 17:00	COMPLETE		10011966	Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture
5/4/2011 17:45	COMPLETE		10011966	Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture
6/7/2011 17:15	COMPLETE		10011966	Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture
7/7/2011 17:45	COMPLETE		10011966	Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture
8/3/2011 17:20	COMPLETE	QA_Check	10011966	Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture
8/3/2011 17:20	COMPLETE		10011966	Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture
9/5/2011 17:15	COMPLETE		10011966	Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture
5/24/2012 17:10	COMPLETE		10011966	Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture
6/17/2012 18:10	COMPLETE		10011966	Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture
7/20/2012 16:40	COMPLETE		10011966	Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture
9/25/2012 17:00	COMPLETE		10011966	Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture

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5/16/2013 17:35	COMPLETE		10011966	Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture
6/29/2013 17:05	COMPLETE		10011966	Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture
7/15/2013 16:45	COMPLETE		10011966	Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture
8/14/2013 16:45	COMPLETE		10011966	Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture
9/9/2013 16:40	COMPLETE		10011966	Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture
9/29/2013 13:15	COMPLETE		10011966	Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture
10/16/2013 16:10	COMPLETE		10011966	Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture
4/18/2014 17:35	COMPLETE	TIDBITV2	10011966	Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture
4/18/2014 17:35	COMPLETE		10011966	Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture
5/20/2014 17:00	COMPLETE		10011966	Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture
6/11/2014 16:45	COMPLETE		10011966	Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture
7/20/2014 16:25	COMPLETE		10011966	Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture
8/14/2014 16:40	COMPLETE		10011966	Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture
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4/20/2015 17:00	COMPLETE		10011966	Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture
4/20/2015 17:10	COMPLETE		10011966	Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture
4/20/2015 20:00	COMPLETE		10011966	Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture
5/19/2015 16:35	COMPLETE		10011966	Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture
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10/12/2015 15:10	COMPLETE		10011966	Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture
5/17/2016 16:50	COMPLETE		10011966	Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture
5/19/2016 10:10	COMPLETE		10011966	Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture

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6/16/2016 18:00	COMPLETE		10011966	Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture
6/23/2016 9:55	COMPLETE		10011966	Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture
7/18/2016 15:00	COMPLETE		10011966	Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture
7/21/2016 8:30	COMPLETE		10011966	Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture
8/18/2016 16:00	COMPLETE		10011966	Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture
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9/20/2021 16:15	COMPLETE		10011966	Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture
10/19/2021 16:15	COMPLETE		10011966	Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture
5/11/2022 15:40	COMPLETE		10011966	Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture
6/17/2022 18:00	COMPLETE		10011966	Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture
7/20/2022 17:00	COMPLETE		10011966	Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture
8/17/2022 17:10	COMPLETE		10011966	Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture
10/5/2022 16:50	COMPLETE		10011966	Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture
5/11/2023 16:50	COMPLETE		10011966	Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture
6/13/2023 14:35	COMPLETE		10011966	Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture
7/21/2023 16:30	COMPLETE		10011966	Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture
8/16/2023 16:55	COMPLETE		10011966	Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture
9/12/2023 17:10	COMPLETE		10011966	Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture
10/3/2023 16:40	COMPLETE		10011966	Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture
5/8/2024 18:00	COMPLETE		10011966	Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture
6/20/2024 17:15	COMPLETE		10011966	Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture

### Documents

## Wisconsin Department of Natural Resources SWIMS Project Summary

Title	Description	Author	Published	Comments
2006 STREAM MONITORING REPORT FOR BADGER MILL CREEK - STH. 69 UPSTREAM TO FENCELINE IN PASTURE	Report showing Citizen Based Stream Monitoring Pilot Project data collected at BADGER MILL CREEK - STH. 69 UPSTREAM TO FENCELINE IN PASTURE	Matt Rehwald	5/24/2007	
2007 Stream Monitoring Report For Badger Mill Creek - Sth. 69 Upstream To Fenceline In Pasture	18609812	Clayton, Chris		

### Budget

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

### Funding

Organization	Source	Type	Amount	Start Date	End Date
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