

## Wisconsin Department of Natural Resources SWIMS Project Summary

### General Project Information

<b>Project ID:</b>	CBSM-10012522
<b>Name:</b>	Mud Creek south of Cedar Sauk Rd
<b>Type:</b>	Citizen Based Stream Monitoring
<b>Subtype:</b>	Volunteer Monitoring
<b>Status:</b>	ACTIVE
<b>Start Date:</b>	04/15/2006
<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>	Oakton 300 DO/pH meter used in place of YSI 550a and Oakton Acorn 5 meters.
<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
DRISCOLL, ZACHERY G	PROJECT_LEAD	ACTIVE	05/02/2016		Wisconsin DNR	
DRISCOLL, ZACHERY G	COORDINATOR	ACTIVE	05/09/2016		Wisconsin DNR	
Holleback, Mary	TEAM_MEMBER	ACTIVE	04/15/2006		River Edge Nature Center	
Knopp, Dan	TEAM_MEMBER	ACTIVE	07/23/2021		Milwaukee Riverkeeper	
Lukasz, Brad	TEAM_MEMBER	INACTIVE	02/16/2015	05/01/2017	Milwaukee Riverkeeper	
Nenn, Cheryl	COORDINATOR	ACTIVE	11/28/2008		Milwaukee Riverkeeper	
Rademacher, Katie	COORDINATOR	ACTIVE	12/06/2018		Milwaukee Riverkeeper	
Rath, Joe	COORDINATOR	INACTIVE	06/07/2010	05/03/2017	Milwaukee Riverkeeper	
Rath, Joe	PROJECT_LEAD	INACTIVE	06/07/2010	02/13/2015	Milwaukee Riverkeeper	
Schroeder, Jason	TEAM_MEMBER	INACTIVE	11/28/2008	02/12/2015	Milwaukee Riverkeeper	

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Name	Role	Status	Start Date	End Date	Organization	Comments
White, Marc	TEAM_MEMBER	ACTIVE	04/15/2006		River Edge Nature Center	

### Project Statuses

Date	Reported By	Status	Comments
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### 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
10012522	Mud Creek South Of Cedar Sauk Rd.	

### Assessment Units

WBIC	Segment	Local Name	Official Name
22000	1	Un. Creek (T11n R21e Nw Nw 32)	Unnamed

### 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	Description
CBSM_PP_FIELD_METHODS	CBSM Stream Monitoring YSI DO Meter 2009

### Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
05/17/2006 15:15	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
05/18/2006	COMPLETE	ONSET-17356129	10012522	Mud Creek South Of Cedar Sauk Rd.
06/14/2006 15:00	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
07/13/2006 11:55	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
08/09/2006 13:25	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
09/13/2006 14:30	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
06/26/2007 14:35	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
06/26/2007 15:40	COMPLETE	TIDBIT	10012522	Mud Creek South Of Cedar Sauk Rd.
07/30/2007 13:35	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
10/29/2007 13:30	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
07/21/2008	COMPLETE	TIDBIT	10012522	Mud Creek South Of Cedar Sauk Rd.
07/21/2008 13:05	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.

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Start Date	Status	Field ID	Station ID	Station Name
08/20/2008 10:35	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
09/26/2008 14:40	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
05/28/2009 16:35	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
05/28/2009 16:50	COMPLETE	TIDBIT	10012522	Mud Creek South Of Cedar Sauk Rd.
07/08/2009 15:35	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
07/29/2009 15:20	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
08/27/2009 14:45	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
10/05/2009 13:25	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
05/27/2010 13:00	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
07/02/2010 11:45	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
07/29/2010 12:05	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
08/27/2010 12:20	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
06/01/2011 12:15	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
06/30/2011 12:15	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
07/29/2011 11:15	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
09/02/2011 10:55	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
05/25/2012 11:15	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
06/26/2012 11:25	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
07/26/2012 10:50	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
08/29/2012 11:20	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
10/12/2012 10:40	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
05/16/2013 11:55	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
06/26/2013 10:30	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
07/25/2013 10:50	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
08/30/2013 10:20	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
10/02/2013 10:20	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
05/28/2014 11:35	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
06/27/2014 12:14	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
07/29/2014 10:35	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
08/29/2014 11:10	COMPLETE	2	10012522	Mud Creek South Of Cedar Sauk Rd.
08/29/2014 11:10	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
09/24/2014 10:25	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
05/22/2015 10:54	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
06/24/2015 10:10	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
07/27/2015 10:48	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
08/27/2015 10:10	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
09/30/2015 10:10	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
10/27/2015 10:02	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
05/26/2016 11:30	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
05/26/2016 11:35	COMPLETE	MUDCR-MAY2016	10012522	Mud Creek South Of Cedar Sauk Rd.
06/22/2016 09:50	COMPLETE	MUDCR-JUN2016	10012522	Mud Creek South Of Cedar Sauk Rd.
06/22/2016 09:50	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
07/28/2016 10:15	COMPLETE	MUDCR-JUL2016	10012522	Mud Creek South Of Cedar Sauk Rd.
07/28/2016 10:15	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
08/29/2016 10:25	COMPLETE	MUDCR-AUG2016	10012522	Mud Creek South Of Cedar Sauk Rd.
08/29/2016 10:25	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
09/26/2016 10:15	COMPLETE	MUDCR-SEP2016	10012522	Mud Creek South Of Cedar Sauk Rd.
09/26/2016 10:15	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.

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Start Date	Status	Field ID	Station ID	Station Name
10/24/2016 09:45	COMPLETE	MUDCR-OCT2016	10012522	Mud Creek South Of Cedar Sauk Rd.
10/24/2016 09:45	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
05/31/2017 10:05	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
06/29/2017 10:07	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
07/25/2017 10:00	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
08/30/2017 10:10	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
09/28/2017 09:40	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
05/24/2018 11:12	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
06/21/2018 10:05	COMPLETE	2018_10012522_2	10012522	Mud Creek South Of Cedar Sauk Rd.
07/20/2018 10:20	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
08/20/2018 09:50	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
10/04/2018 11:10	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
05/31/2019 11:25	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
06/24/2019 09:55	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
07/23/2019 10:00	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
08/19/2019 10:00	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
10/10/2019 10:01	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
06/09/2020 09:30	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
07/20/2020 09:58	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
08/24/2020 11:53	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
09/25/2020 09:35	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
10/26/2020 09:45	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
05/12/2021 13:00	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
06/09/2021 11:40	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
07/06/2021 11:47	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
08/05/2021 11:46	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
09/09/2021 10:45	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.
10/06/2021 10:50	COMPLETE		10012522	Mud Creek South Of Cedar Sauk Rd.

### 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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