

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

- Project ID:** CBSM-10012504
- Name:** Milwaukee River at South End of Grafton Mill Complex
- Type:** Citizen Based Stream Monitoring
- Subtype:** Volunteer Monitoring
- Status:** ACTIVE
- Start Date:** 04/15/2006
- 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
Baratskov, Alexander	TEAM_MEMBER	ACTIVE	05/30/2018		Milwaukee Riverkeeper	
Brogli, Kathryn	TEAM_MEMBER	ACTIVE	09/27/2010		Milwaukee Riverkeeper	
DRISCOLL, ZACHERY G	COORDINATOR	ACTIVE	05/09/2016		Wisconsin DNR	
DRISCOLL, ZACHERY G	PROJECT_LEAD	ACTIVE	05/02/2016		Wisconsin DNR	
Engstrom, James	TEAM_MEMBER	ACTIVE	04/04/2012		Milwaukee Riverkeeper	
Gennrich, Jim	TEAM_MEMBER	ACTIVE	03/28/2012		Milwaukee Riverkeeper	
Lukasz, Brad	TEAM_MEMBER	INACTIVE	02/16/2015	05/01/2017	Milwaukee Riverkeeper	
Nenn, Cheryl	COORDINATOR	ACTIVE	11/28/2008		Milwaukee Riverkeeper	
Plumeau, Ginny	TEAM_MEMBER	INACTIVE	04/15/2006	01/13/2015	Cedarburg Science, LLC	
Rath, Joe	COORDINATOR	INACTIVE	06/07/2010	05/17/2017	Milwaukee Riverkeeper	

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Name	Role	Status	Start Date	End Date	Organization	Comments
Rath, Joe	PROJECT_LEAD	INACTIVE	06/07/2010	02/12/2015	Milwaukee Riverkeeper	
Schroeder, Jason	TEAM_MEMBER	INACTIVE	11/28/2008	02/12/2015	Milwaukee Riverkeeper	
Stanisch, Michelle	TEAM_MEMBER	ACTIVE	04/15/2006		Milwaukee Riverkeeper	

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
10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex	
10030238	Trib to Pigeon Creek DS from Wauwautosa Rd	

Assessment Units

WBIC	Segment	Local Name	Official Name
15000	3	Milwaukee River	Milwaukee River
5032995	1	Local Water	Unnamed
5032995	2	DUPLICATE	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
05/21/2006 15:00	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
05/22/2006	COMPLETE	ONSET-17298355	10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
06/23/2006 18:30	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
07/21/2006 14:00	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
08/20/2006 14:00	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex

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Start Date	Status	Field ID	Station ID	Station Name
09/16/2006 17:45	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
05/25/2007 10:30	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
06/23/2007 13:30	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
06/25/2007 09:00	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
07/29/2007 16:00	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
09/09/2007 16:00	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
05/16/2008 18:00	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
07/03/2008 18:30	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
07/19/2008 18:00	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
08/09/2008 17:30	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
09/12/2008 14:45	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
05/22/2009 13:15	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
06/20/2009 14:10	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
07/18/2009 15:45	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
08/28/2009 14:15	COMPLETE	QA_CHECK	10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
08/28/2009 14:15	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
09/25/2009 17:10	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
05/23/2010 13:10	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
06/19/2010 10:30	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
07/26/2010 18:10	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
08/21/2010 12:00	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
09/19/2010 16:00	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
06/01/2011 15:10	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
06/01/2011 15:40	COMPLETE	HOBO	10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
06/15/2011 10:30	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
07/15/2011 15:15	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
08/03/2011 15:10	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
09/21/2011 12:10	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
04/07/2012 12:30	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
05/12/2012 13:45	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
06/09/2012 11:25	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
07/08/2012 15:05	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex

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Start Date	Status	Field ID	Station ID	Station Name
				Complex
08/11/2012 14:55	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
09/09/2012 14:45	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
10/07/2012 13:45	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
04/28/2013 13:30	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
05/26/2013 12:05	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
06/23/2013 12:20	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
07/21/2013 12:00	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
08/24/2013 11:55	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
09/15/2013 12:40	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
10/14/2013 12:10	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
04/27/2014 16:23	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
05/27/2014 11:02	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
06/22/2014 12:36	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
07/13/2014 12:48	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
08/09/2014 12:01	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
09/06/2014 15:00	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
10/05/2014 12:56	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
04/25/2015 14:55	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
05/23/2015 14:55	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
06/25/2015 14:50	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
07/18/2015 13:20	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
08/07/2015 10:00	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
09/12/2015 13:10	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
10/09/2015 15:50	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
04/24/2016 15:50	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
04/24/2016 15:50	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
05/21/2016 16:01	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
06/19/2016 13:22	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
07/24/2016 14:57	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
08/15/2016 16:04	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
09/13/2016 10:00	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex

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Start Date	Status	Field ID	Station ID	Station Name
10/13/2016 10:07	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
10/25/2016 12:55	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
05/09/2017 12:59	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
05/23/2018 17:19	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
07/02/2018 17:30	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
05/22/2019 02:46	COMPLETE		10030238	Trib to Pigeon Creek DS from Wauwautosa Rd
05/22/2019 14:00	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
06/17/2019 11:15	COMPLETE		10030238	Trib to Pigeon Creek DS from Wauwautosa Rd
06/17/2019 12:25	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
07/24/2019 11:50	COMPLETE		10030238	Trib to Pigeon Creek DS from Wauwautosa Rd
07/24/2019 12:35	COMPLETE	2019_10012504_3	10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
08/23/2019 12:10	COMPLETE		10030238	Trib to Pigeon Creek DS from Wauwautosa Rd
08/23/2019 13:00	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex
09/26/2019 12:45	COMPLETE		10030238	Trib to Pigeon Creek DS from Wauwautosa Rd
09/26/2019 13:30	COMPLETE		10012504	Milwaukee River Grafton - South End Of Grafton Mill Complex

Documents

Title	Description	Author	Published	Comments
Milwaukee River near Cedarburg	Milwaukee River near Cedarburg, Photo Courtesy of Milwaukee Sweetwater Trust.	Sweetwater Trust	07/14/2012	

Budget

Combined Budgets:

Combined SLOH:

Combined Total:

Funding

Organization	Source	Type	Amount	Start Date	End Date
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