

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID:	CBSM-463206
Name:	Pigeon Creek at Highland Road
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:	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
DRISCOLL, ZACHERY G	COORDINATOR	ACTIVE	05/09/2016		Wisconsin DNR	
DRISCOLL, ZACHERY G	PROJECT_LEAD	ACTIVE	05/02/2016		Wisconsin DNR	
Elliott, Bill	TEAM_MEMBER	INACTIVE	04/15/2006	01/13/2015	Milwaukee Riverkeeper	
Lukasz, Brad	TEAM_MEMBER	INACTIVE	02/16/2015	05/03/2017	Milwaukee Riverkeeper	
Nenn, Cheryl	COORDINATOR	ACTIVE	04/15/2006		Milwaukee Riverkeeper	
Rademacher, Katie	COORDINATOR	ACTIVE	12/07/2018		Milwaukee Riverkeeper	
Rath, Joe	COORDINATOR	INACTIVE	06/07/2010	05/09/2017	Milwaukee Riverkeeper	
Rath, Joe	PROJECT_LEAD	INACTIVE	06/07/2010	02/13/2015	Milwaukee Riverkeeper	

Project Statuses

Wisconsin Department of Natural Resources SWIMS Project Summary

Date	Reported By	Status	Comments		
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			
463206	Pigeon Creek at Highland Road Near Thiensville WI				
Assessment Units					
WBIC	Segment	Local Name	Official Name		
20500	1	Pigeon Creek	Pigeon Creek		
20500	2	DUPLICATE	Pigeon Creek		
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	
05/24/2007 12:25	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI	
06/13/2007 12:30	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI	
07/19/2007	COMPLETE	TIDBIT	463206	Pigeon Creek at Highland Road Near Thiensville WI	
07/19/2007 13:45	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI	
08/15/2007 11:00	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI	
09/28/2007 11:40	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI	
05/27/2008 14:05	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI	
07/02/2008 12:30	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI	
07/31/2008 13:30	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI	
08/28/2008 12:05	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI	
09/25/2008 12:35	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI	
05/21/2009 13:35	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI	
05/21/2009 13:55	COMPLETE	TIDBIT V2	463206	Pigeon Creek at Highland Road Near Thiensville WI	
06/16/2009 14:30	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI	
07/31/2009 12:50	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI	
08/28/2009 12:10	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI	

Wisconsin Department of Natural Resources SWIMS Project Summary

Start Date	Status	Field ID	Station ID	Station Name
09/29/2009 13:55	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI
05/20/2010 11:30	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI
06/25/2010 14:00	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI
07/29/2010 13:05	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI
08/27/2010 11:30	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI
09/29/2010 11:30	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI
10/27/2010 12:20	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI
05/06/2011 14:40	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI
06/08/2011 13:10	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI
07/12/2011 11:50	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI
08/09/2011 12:30	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI
09/19/2011 14:15	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI
10/26/2011 12:30	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI
05/23/2012 13:10	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI
05/23/2012 13:30	COMPLETE	HOBO	463206	Pigeon Creek at Highland Road Near Thiensville WI
06/26/2012 13:30	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI
07/31/2012 13:15	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI
08/29/2012 13:45	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI
09/27/2012 14:15	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI
10/28/2012 12:45	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI
05/21/2013 16:00	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI
06/28/2013 11:00	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI
07/30/2013 13:30	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI
08/29/2013 10:30	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI
09/30/2013 14:00	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI
10/31/2013 12:30	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI
05/30/2014 12:30	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI
05/30/2014 12:30	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI
06/27/2014 11:50	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI
07/28/2014 13:20	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI
08/28/2014 12:15	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI
10/01/2014 11:20	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI
10/30/2014 12:05	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI
05/27/2015 13:15	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI
05/31/2015	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI
07/02/2015 14:15	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI
08/03/2015 11:15	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI
09/02/2015 12:00	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI
10/09/2015 12:40	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI
11/05/2015 11:15	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI
05/09/2016 11:31	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI
06/17/2016 12:00	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI
08/02/2016 15:00	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI
08/30/2016 11:45	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI
09/28/2016 13:30	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI
11/01/2016 14:15	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI
05/31/2017 12:39	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI
05/31/2017 14:12	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI

**Wisconsin Department of Natural Resources
SWIMS Project Summary**

Start Date	Status	Field ID	Station ID	Station Name
06/01/2017 11:28	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI
06/28/2017 10:26	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI
07/17/2017 10:37	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI
07/26/2017	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI
08/09/2017 10:15	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI
08/17/2017 11:05	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI
10/09/2017 13:45	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI
11/14/2017 15:30	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI
06/01/2018 10:15	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI
08/09/2018 13:00	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI
09/13/2018 14:55	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI
10/09/2018 15:30	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI
11/16/2018 14:10	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI
02/01/2019 09:00	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI
03/13/2019 08:45	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI
06/06/2019 14:15	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI
07/12/2019 13:40	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI
07/12/2019 13:55	COMPLETE	2019_463206_2	463206	Pigeon Creek at Highland Road Near Thiensville WI
08/22/2019 13:20	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI
09/26/2019 12:30	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI
10/18/2019 15:42	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI
11/26/2019 13:25	COMPLETE		463206	Pigeon Creek at Highland Road Near Thiensville WI

Documents

Title	Description	Author	Published	Comments
-------	-------------	--------	-----------	----------

Budget

Combined Budgets:
 Combined SLOH:
 Combined Total:

Funding

Organization	Source	Type	Amount	Start Date	End Date
--------------	--------	------	--------	------------	----------