

## Wisconsin Department of Natural Resources SWIMS Project Summary

### General Project Information

**Project ID:** CBSM\_GapTP  
**Name:** Total Phosphorus Monitoring Gap Analysis  
**Type:** Targeted Monitoring  
**Subtype:** Volunteer Monitoring  
**Status:** ACTIVE  
**Start Date:** 04/24/2012  
**End Date:** 12/31/2012  
**Purpose:** The Water Action Volunteers program participants collect total phosphorus samples at sites that have been previously listed as impaired for total phosphorus but which lack supporting data or sufficient supporting data to help the biologists obtain a clearer picture of water quality and supplement data necessary for reporting. During each visit, volunteers collect water samples and ship them to the State Lab of Hygiene to be analyzed for total phosphorus.  
**Objective:**  
**Comments:**  
**Outcome:**  
**Study Design:**  
**QA Measures:** Ten percent of all total phosphorus (TP) samples will be randomly selected each year to participate in collection of quality assurance/quality control (QA/QC) samples. One duplicate sample and one blank sample will be collected at the selected stations using protocol described in the Total Phosphorus Sampling Methods: Volunteer Manual 2012.

### People

Name	Role	Status	Start Date	End Date	Organization	Comments
ANDERSON, CHRISTINA R	COORDINATOR	COMPLETE	04/24/2012	12/27/2014	Wisconsin DNR	
DOLEN, RONALD J	COORDINATOR	ACTIVE	04/24/2012	12/09/2012	Wisconsin DNR	
DeGolier, Laura	TEAM_MEMBER	ACTIVE	05/07/2012		Park Watch of Fond du Lac	
Ludwig, Theodore E	TEAM_MEMBER	ACTIVE	05/21/2012			
SMITH, HEATHER E	COORDINATOR	COMPLETE	04/12/2013	12/27/2014	Wisconsin DNR	
Stepenuck, Kris	COORDINATOR	ACTIVE	04/24/2012		UWEX	

### Project Statuses

Date	Reported By	Status	Comments
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### Actions

Action	Detailed Description	Start	End Date	Status
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### Monitoring Stations

Station ID	Name	Comments
10020688	E Branch Fond Du Lac River At W Pioneer Rd & Morris Ct	
10029782	East Branch Fond du Lac River Morris Court 200 yds east	
10007870	Juda Branch N Fork at CTH S	
253178	Livingston Branch - Bridge at Enloe Road	
083100	Manitowoc River - North Branch River View Rd	
10037206	North Fork Juda Branch at Balls Mills Rd	
10037204	North Fork Juda Branch in Juda Park 20m US of discharge	
173051	Red Cedar River at Cth Y Bridge	
253160	Unnamed Tributary to Livingston Branch at CTH X	
10031557	West Branch of Fond du Lac at Estabrook Park	
10012506	West Twin River at Cth Z	

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Station ID	Name	Comments
10009868	West Twin River at Melnik Rd	
10034797	West Twin River at Shoto Conservation Club access site below Shoto dam	

### Assessment Units

WBIC	Segment	Local Name	Official Name
75900	1	North Branch Manitowoc River	North Branch Manitowoc River
87000	1	West Twin River	West Twin River
87000	3	West Twin River	West Twin River
87000	4	West Twin River	West Twin River
134000	1	West Branch Fond Du Lac River	West Branch Fond Du Lac River
135900	1	East Branch Fondulac River	East Branch Fond Du Lac River
877700	1	N. Fork Juda Branch	North Fork Juda Br
877700	2	N. Fork Juda Branch	North Fork Juda Br
932700	1	Livingston Branch	Livingston Br
932800	1	Trib To Livingston Br	Unnamed
2063500	3	Red Cedar River	Red Cedar River

### Lab Account Codes

Account Code	Description	Start Date	End Date
WT163	CBSM PHOSPHORUS DATA GAPS	06/20/2012	12/31/2012
WT163	CBSM PHOSPHORUS DATA GAPS	06/20/2012	06/30/2013
WT172	CBSM PHOSPHORUS DATA GAPS	04/18/2013	06/30/2014

### Forms

Form Code	Form Name
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### Methods

Method Code	Description
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### Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
05/08/2012 10:31	COMPLETE		10029782	East Branch Fond du Lac River Morris Court 200 yds east
05/08/2012 11:06	COMPLETE		10031557	West Branch of Fond du Lac at Estabrook Park
05/10/2012 10:03	COMPLETE		10007870	Juda Branch N Fork at CTH S
05/10/2012 10:24	COMPLETE		10037206	North Fork Juda Branch at Balls Mills Rd
05/10/2012 10:44	COMPLETE		10037204	North Fork Juda Branch in Juda Park 20m US of discharge
05/21/2012 11:15	COMPLETE		173051	Red Cedar River at Cth Y Bridge
05/22/2012 16:20	COMPLETE		10034797	West Twin River at Shoto Conservation Club access site below Shoto dam
05/22/2012 19:20	COMPLETE		083100	Manitowoc River - North Branch River View Rd
05/29/2012 15:45	COMPLETE		10012506	West Twin River at Cth Z
05/29/2012 15:45	COMPLETE		10009868	West Twin River at Melnik Rd
05/29/2012 15:45	COMPLETE		10009868	West Twin River at Melnik Rd
05/29/2012 16:30	COMPLETE		10009868	West Twin River at Melnik Rd
06/07/2012 09:45	COMPLETE		253178	Livingston Branch - Bridge at Enloe Road
06/07/2012 10:00	COMPLETE		253160	Unnamed Tributary to Livingston Branch at CTH X

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Start Date	Status	Field ID	Station ID	Station Name
06/12/2012 10:15	COMPLETE		10029782	East Branch Fond du Lac River Morris Court 200 yds east
06/12/2012 10:36	COMPLETE		10031557	West Branch of Fond du Lac at Estabrook Park
06/19/2012 09:40	COMPLETE		10034797	West Twin River at Shoto Conservation Club access site below Shoto dam
06/19/2012 13:15	COMPLETE		173051	Red Cedar River at Cth Y Bridge
06/19/2012 15:35	COMPLETE		083100	Manitowoc River - North Branch River View Rd
06/21/2012 13:30	COMPLETE		10007870	Juda Branch N Fork at CTH S
06/21/2012 13:40	COMPLETE		10037204	North Fork Juda Branch in Juda Park 20m US of discharge
06/21/2012 13:48	COMPLETE		10037206	North Fork Juda Branch at Balls Mills Rd
06/27/2012 11:30	COMPLETE		10009868	West Twin River at Melnik Rd
06/27/2012 11:30	COMPLETE		10012506	West Twin River at Cth Z
07/10/2012 10:55	COMPLETE		10029782	East Branch Fond du Lac River Morris Court 200 yds east
07/10/2012 11:17	COMPLETE		10031557	West Branch of Fond du Lac at Estabrook Park
07/10/2012 11:17	COMPLETE		10031557	West Branch of Fond du Lac at Estabrook Park
07/10/2012 13:00	COMPLETE		10031557	West Branch of Fond du Lac at Estabrook Park
07/17/2012 09:30	COMPLETE		10034797	West Twin River at Shoto Conservation Club access site below Shoto dam
07/24/2012 11:35	COMPLETE		173051	Red Cedar River at Cth Y Bridge
07/25/2012 09:35	COMPLETE		10037204	North Fork Juda Branch in Juda Park 20m US of discharge
07/25/2012 09:40	COMPLETE		10037204	North Fork Juda Branch in Juda Park 20m US of discharge
07/25/2012 09:42	COMPLETE		10007870	Juda Branch N Fork at CTH S
07/25/2012 12:15	COMPLETE		10012506	West Twin River at Cth Z
07/25/2012 12:20	COMPLETE		10009868	West Twin River at Melnik Rd
07/30/2012 11:00	COMPLETE		253160	Unnamed Tributary to Livingston Branch at CTH X
07/30/2012 11:20	COMPLETE		253178	Livingston Branch - Bridge at Enloe Road
08/07/2012 10:23	COMPLETE		10029782	East Branch Fond du Lac River Morris Court 200 yds east
08/07/2012 10:48	COMPLETE		10031557	West Branch of Fond du Lac at Estabrook Park
08/13/2012 08:45	COMPLETE		10034797	West Twin River at Shoto Conservation Club access site below Shoto dam
08/15/2012 14:30	COMPLETE		253178	Livingston Branch - Bridge at Enloe Road
08/15/2012 15:00	COMPLETE		253160	Unnamed Tributary to Livingston Branch at CTH X
08/16/2012 12:15	COMPLETE		10007870	Juda Branch N Fork at CTH S
08/16/2012 12:30	COMPLETE		10037204	North Fork Juda Branch in Juda Park 20m US of discharge
08/21/2012 12:45	COMPLETE		173051	Red Cedar River at Cth Y Bridge
08/27/2012 09:45	COMPLETE		10009868	West Twin River at Melnik Rd
08/27/2012 09:45	COMPLETE		10012506	West Twin River at Cth Z
09/06/2012 10:00	COMPLETE		10031557	West Branch of Fond du Lac at Estabrook Park
09/06/2012 10:13	COMPLETE		10029782	East Branch Fond du Lac River Morris Court 200 yds east
09/15/2012 08:30	COMPLETE		10007870	Juda Branch N Fork at CTH S
09/15/2012 11:00	COMPLETE		10037204	North Fork Juda Branch in Juda Park 20m US of discharge
09/19/2012 08:35	COMPLETE		173051	Red Cedar River at Cth Y Bridge
09/19/2012 11:00	COMPLETE		253178	Livingston Branch - Bridge at Enloe Road
09/19/2012 11:15	COMPLETE		253160	Unnamed Tributary to Livingston Branch at CTH X
09/21/2012 17:15	COMPLETE		10009868	West Twin River at Melnik Rd
09/21/2012 17:25	COMPLETE	CBSM_TP	10012506	West Twin River at Cth Z
09/24/2012 09:45	COMPLETE		10034797	West Twin River at Shoto Conservation Club access site below Shoto dam
10/08/2012 11:55	COMPLETE		10034797	West Twin River at Shoto Conservation Club access site below Shoto dam
10/09/2012 08:56	COMPLETE		10031557	West Branch of Fond du Lac at Estabrook Park

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Start Date	Status	Field ID	Station ID	Station Name
10/09/2012 10:41	COMPLETE		10029782	East Branch Fond du Lac River Morris Court 200 yds east
10/10/2012 12:35	COMPLETE		10007870	Juda Branch N Fork at CTH S
10/10/2012 12:45	COMPLETE		10037204	North Fork Juda Branch in Juda Park 20m US of discharge
10/16/2012 12:30	COMPLETE		173051	Red Cedar River at Cth Y Bridge
10/23/2012 15:00	COMPLETE		253160	Unnamed Tributary to Livingston Branch at CTH X
10/23/2012 15:15	COMPLETE		253178	Livingston Branch - Bridge at Enloe Road
10/25/2012 14:00	COMPLETE		10009868	West Twin River at Melnik Rd
10/25/2012 14:10	COMPLETE	CBSM_TP	10012506	West Twin River at Cth Z
04/24/2013 10:45	COMPLETE		10029782	East Branch Fond du Lac River Morris Court 200 yds east
05/13/2013 08:00	COMPLETE	NA	253160	Unnamed Tributary to Livingston Branch at CTH X
05/13/2013 08:15	COMPLETE	NA	253178	Livingston Branch - Bridge at Enloe Road
05/13/2013 09:25	COMPLETE	NA	10034797	West Twin River at Shoto Conservation Club access site below Shoto dam
05/20/2013 09:30	COMPLETE	NA	10037206	North Fork Juda Branch at Balls Mills Rd
05/22/2013 08:30	COMPLETE	NA	10031557	West Branch of Fond du Lac at Estabrook Park
05/22/2013 10:30	COMPLETE	NA	10029782	East Branch Fond du Lac River Morris Court 200 yds east
05/22/2013 10:30	COMPLETE		10029782	East Branch Fond du Lac River Morris Court 200 yds east
05/27/2013 11:45	COMPLETE	NA	173051	Red Cedar River at Cth Y Bridge
05/29/2013 14:00	COMPLETE	NA	10009868	West Twin River at Melnik Rd
05/29/2013 14:00	COMPLETE	NA	10012506	West Twin River at Cth Z
06/14/2013 15:00	COMPLETE	NA	10037206	North Fork Juda Branch at Balls Mills Rd
06/16/2013 16:30	COMPLETE	NA	173051	Red Cedar River at Cth Y Bridge
06/17/2013 11:10	COMPLETE	NA	10034797	West Twin River at Shoto Conservation Club access site below Shoto dam
06/17/2013 13:00	COMPLETE	NA	253160	Unnamed Tributary to Livingston Branch at CTH X
06/17/2013 13:15	COMPLETE	NA	253178	Livingston Branch - Bridge at Enloe Road
06/19/2013 08:57	COMPLETE	NA	10031557	West Branch of Fond du Lac at Estabrook Park
06/19/2013 10:50	COMPLETE	NA	10029782	East Branch Fond du Lac River Morris Court 200 yds east
06/19/2013 10:50	COMPLETE		10029782	East Branch Fond du Lac River Morris Court 200 yds east
06/24/2013 13:00	COMPLETE	NA	10012506	West Twin River at Cth Z
06/24/2013 13:00	COMPLETE	NA	10009868	West Twin River at Melnik Rd
07/16/2013 11:59	COMPLETE	NA	10034797	West Twin River at Shoto Conservation Club access site below Shoto dam
07/16/2013 13:35	COMPLETE	NA	253160	Unnamed Tributary to Livingston Branch at CTH X
07/16/2013 14:00	COMPLETE	NA	253178	Livingston Branch - Bridge at Enloe Road
07/16/2013 15:00	COMPLETE	NA	10037206	North Fork Juda Branch at Balls Mills Rd
07/17/2013 08:53	COMPLETE	NA	10031557	West Branch of Fond du Lac at Estabrook Park
07/17/2013 10:34	COMPLETE	NA	10029782	East Branch Fond du Lac River Morris Court 200 yds east
07/17/2013 10:35	COMPLETE		10029782	East Branch Fond du Lac River Morris Court 200 yds east
07/21/2013 15:15	COMPLETE	RED CEDAR	173051	Red Cedar River at Cth Y Bridge
07/26/2013 09:50	COMPLETE	NA	10009868	West Twin River at Melnik Rd
07/26/2013 10:15	COMPLETE	NA	10012506	West Twin River at Cth Z
07/26/2013 10:15	COMPLETE	NA	10012506	West Twin River at Cth Z
07/26/2013 10:15	COMPLETE	NA	10012506	West Twin River at Cth Z
08/13/2013 10:00	COMPLETE	NA	253160	Unnamed Tributary to Livingston Branch at CTH X
08/13/2013 10:10	COMPLETE	NA	253178	Livingston Branch - Bridge at Enloe Road
08/13/2013 15:30	COMPLETE	NA	10037206	North Fork Juda Branch at Balls Mills Rd
08/14/2013 08:58	COMPLETE	WEST BRANCH FD	10031557	West Branch of Fond du Lac at Estabrook Park
08/14/2013 10:36	COMPLETE	EAST BRANCH FDL	10029782	East Branch Fond du Lac River Morris Court 200 yds east

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Start Date	Status	Field ID	Station ID	Station Name
08/16/2013 09:30	COMPLETE	NA	10012506	West Twin River at Cth Z
08/16/2013 09:30	COMPLETE	NA	10009868	West Twin River at Melnik Rd
08/18/2013 16:50	COMPLETE	RED CEDAR	173051	Red Cedar River at Cth Y Bridge
08/19/2013 08:31	COMPLETE	WEST TWIN	10034797	West Twin River at Shoto Conservation Club access site below Shoto dam
09/11/2013 08:55	COMPLETE	WEST	10031557	West Branch of Fond du Lac at Estabrook Park
09/11/2013 10:27	COMPLETE	EAST	10029782	East Branch Fond du Lac River Morris Court 200 yds east
09/13/2013 15:10	COMPLETE	JUDA	10037206	North Fork Juda Branch at Balls Mills Rd
09/17/2013 10:05	COMPLETE	WEST TWIN	10034797	West Twin River at Shoto Conservation Club access site below Shoto dam
09/19/2013 12:30	COMPLETE	LIVINGSTON	253178	Livingston Branch - Bridge at Enloe Road
09/19/2013 12:35	COMPLETE	UNNAMED TRIBUT, 253160		Unnamed Tributary to Livingston Branch at CTH X
09/20/2013 12:20	COMPLETE	CBSM_GAPTP	10012506	West Twin River at Cth Z
09/20/2013 12:25	COMPLETE	NA	10009868	West Twin River at Melnik Rd
09/22/2013 14:25	COMPLETE	NA	173051	Red Cedar River at Cth Y Bridge
10/15/2013 10:00	COMPLETE	LNGSTN BRCH BR	253178	Livingston Branch - Bridge at Enloe Road
10/15/2013 10:05	COMPLETE	UNN TRIB LNGSTN	253160	Unnamed Tributary to Livingston Branch at CTH X
10/20/2013 10:15	COMPLETE	RED CEDAR RV	173051	Red Cedar River at Cth Y Bridge
10/26/2013 16:00	COMPLETE	CBSM_GAPTP	10012506	West Twin River at Cth Z
10/26/2013 16:15	COMPLETE	NA	10009868	West Twin River at Melnik Rd
10/30/2013 08:10	COMPLETE	NA	10034797	West Twin River at Shoto Conservation Club access site below Shoto dam

### Documents

Title	Description	Author	Published	Comments
2013 Total Phosphorus Monitoring Report - Livingston Branch - Bridge at Enloe Road	Prior to Wisconsin having a state standard for phosphorus in surface waters, water bodies were listed as impaired for phosphorus based on a biologist's best professional judgment. In 2012, WAV volunteers monitored 12 sites for phosphorus to help confirm certain streams were indeed impaired by that nutrient. Volunteers are continuing to monitor these stations in 2013 because the drought of 2012 was considered an extreme weather event.	Lindsey Albright	11/03/2014	
2013 Total Phosphorus Monitoring Report -Red Cedar River at Cth Y Bridge	Prior to Wisconsin having a state standard for phosphorus in surface waters, water bodies were listed as impaired for phosphorus based on a biologist's best professional judgment. In 2012, WAV volunteers monitored 12 sites for phosphorus to help confirm certain streams were indeed impaired by that nutrient. Volunteers are continuing to monitor these stations in 2013 because the drought of 2012 was considered an extreme weather event.	Lindsey Albright	11/03/2014	
2013 Total Phosphorus Monitoring Report -Unnamed Tributary to Livingston Branch at CTH X	Prior to Wisconsin having a state standard for phosphorus in surface waters, water bodies were listed as impaired for phosphorus based on a biologist's best professional judgment. In 2012, WAV volunteers monitored 12	Lindsey Albright	11/03/2014	

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Title	Description	Author	Published	Comments
2013 Total Phosphorus Monitoring Report -West Twin River at Cth Z	<p>sites for phosphorus to help confirm certain streams were indeed impaired by that nutrient. Volunteers are continuing to monitor these stations in 2013 because the drought of 2012 was considered an extreme weather event.</p> <p>Prior to Wisconsin having a state standard for phosphorus in surface waters, water bodies were listed as impaired for phosphorus based on a biologist's best professional judgment. In 2012, WAV volunteers monitored 12 sites for phosphorus to help confirm certain streams were indeed impaired by that nutrient. Volunteers are continuing to monitor these stations in 2013 because the drought of 2012 was considered an extreme weather event.</p>	Lindsey Albright	11/03/2014	
2013 Total Phosphorus Monitoring Report -West Twin River at Melnik Rd	<p>Prior to Wisconsin having a state standard for phosphorus in surface waters, water bodies were listed as impaired for phosphorus based on a biologist's best professional judgment. In 2012, WAV volunteers monitored 12 sites for phosphorus to help confirm certain streams were indeed impaired by that nutrient. Volunteers are continuing to monitor these stations in 2013 because the drought of 2012 was considered an extreme weather event.</p>	Lindsey Albright	11/03/2014	
2013 Total Phosphorus Monitoring Report -West Twin River at Shoto Conservation Club access site below Shoto dam	<p>Prior to Wisconsin having a state standard for phosphorus in surface waters, water bodies were listed as impaired for phosphorus based on a biologist's best professional judgment. In 2012, WAV volunteers monitored 12 sites for phosphorus to help confirm certain streams were indeed impaired by that nutrient. Volunteers are continuing to monitor these stations in 2013 because the drought of 2012 was considered an extreme weather event.</p>	Lindsey Albright	11/03/2014	

### Budget

Combined Budgets:  
 Combined SLOH:  
 Combined Total:

### Funding

Organization	Source	Type	Amount	Start Date	End Date
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