

## Wisconsin Department of Natural Resources SWIMS Project Summary

### General Project Information

**Project ID:** East\_TWA\_5\_2015  
**Name:** Fond Du Lac River TWA WQM Plan, 2017  
**Type:** Targeted Watershed Approach  
**Subtype:** Effectiveness (BMP, Other)  
**Status:** COMPLETE  
**Start Date:** 03/01/2015  
**End Date:** 06/30/2016  
**Purpose:** This project will evaluate water quality improvements made in the Fond Du Lac River Watershed from Best Management Practices installed in the watershed from 1997 through 2008 as part of the Fond Du Lac River Priority Watershed Project. [TWA HUC 10-0403020302 FDL]

**Objective:** Read the <a href="https://dnr.wi.gov/water/wsSWIMSDocument.ashx?documentSeqNo=146353002">Fond Du Lac River Watershed TWA WQ Plan</a>. This project will evaluate the effectiveness of BMPs installed in 3 HUC 12 watersheds in the Fond Du Lac River HUC 10-0403020302 watershed following a Priority Watershed Project in 1997. This project will determine if the goals of the Priority Watershed Project to protect and improve the watershed water quality were met.

**Comments:** This is a 1-year project.

**Outcome:** Water quality monitoring will be conducted at 13 locations. Aquatic macroinvertebrates will be collected at 6 locations in October 2015. One day of sampling and 1 day to represerve and transport to UWSP. All data will be entered into SWIMS database by UWSP staff by 12/30/2016.

Qualitative Habitat surveys will be conducted at 7 locations in FY16. Habitat data will be collected at each location during fish surveys and 1 day is needed to enter the data into database. All data will be entered into FMDB by Water Resources staff by 12/31/2015.

Fish surveys will be conducted at 7 locations in FY16. Three days of sampling will be needed to complete the field surveys from July through September 2015. All fish data will be entered into the FMDB by Water Resources staff by 12/31/2015.

Thermistors will be deployed at 6 locations from May to October 2015 to collect temperature data. Two sampling days will occur to deploy and retrieve the thermistors. All data will be uploaded into SWIMS by Water Resources staff by 06/30/2016.

Inorganic chemistry (TP and TSS) monitoring will be conducted at 9 locations. Sampling will occur once per month May through October 2015 for TP and TSS at 9 locations. All samples will be sent to Wisconsin State Lab of Hygiene for analysis and will be entered by the lab into SWIMS by 06/30/2016.

**Study Design:** A final report will be written and attached to this project by 12/31/2016. Aquatic macroinvertebrate samples will be collected at 6 locations. Qualitative Habitat assessments will be conducted at 7 locations. Fish surveys will be conducted at 7 locations. Temperature thermistors will be deployed at 5 locations. Inorganic chemistry (TP and TSS) monitoring will be conducted at 9 locations.

**QA Measures:** Monitoring will be conducted in 5 WBICs: 137400, 135900, 136000, 136800, 134000.

### People

Name	Role	Status	Start Date	End Date	Organization	Comments
BOLHA, DAVID A	PROJECT_LEAD	ACTIVE	03/01/2015	06/30/2016	Wisconsin DNR	
DICKMANN, JACOB C	TEAM_MEMBER	COMPLETE	03/01/2015	06/30/2016	Wisconsin DNR	
Helmuth, Lisa D	COORDINATOR	ACTIVE	03/01/2015	06/30/2016	Wisconsin DNR	
MAASS, JEREMY L	TEAM_MEMBER	ACTIVE	03/01/2015	06/30/2016	Wisconsin DNR	

### Project Statuses

Date	Reported By	Status	Comments
02/06/2015	DAVID BOLHA	Active	
04/15/2018	Lisa Helmuth	Complete	Public Review and finalization of plans

## Wisconsin Department of Natural Resources SWIMS Project Summary

### Actions

Action	Detailed Description	Start	End Date	Status
Monitor Targeted Watershed Area (TWA)	This project will evaluate water quality improvements made in the Fond Du Lac River Watershed from Best Management Practices installed in the watershed from 1997 through 2008 as part of the Fond Du Lac River Priority Watershed Project. [TWA HUC 10-0403020302 FDL]	06/01/2014	04/08/2015	COMPLETE
<b>Details:</b>	<b>Parameter</b>	<b>Value/Amount</b>	<b>Units</b>	<b>Comments</b>
	Report Writeup	Y		
	Total Phosphorus	Y		
	Total Suspended Solids	Y		
Water Quality Planning	This project will evaluate water quality improvements made in the Fond Du Lac River Watershed from Best Management Practices installed in the watershed from 1997 through 2008 as part of the Fond Du Lac River Priority Watershed Project. [TWA HUC 10-0403020302 FDL]	03/01/2015	06/30/2016	COMPLETE
<b>Details:</b>	<b>Parameter</b>	<b>Value/Amount</b>	<b>Units</b>	<b>Comments</b>
	Total Nitrogen			
	Total Phosphorus			
	Total Suspended Solids			
Grant Awarded	This project will evaluate water quality improvements made in the Fond Du Lac River Watershed from Best Management Practices installed in the watershed from 1997 through 2008 as part of the Fond Du Lac River Priority Watershed Project. [TWA HUC 10-0403020302 FDL]	03/01/2015	06/30/2016	IN_PROGRESS
Monitor Water Quality or Sediment	Monitor highest priority waters to develop a clear understanding of overall water conditions, pollutant loads, and reduction goals.	01/01/2017		PROPOSED

### Monitoring Stations

Station ID	Name	Comments
10021258	Campground Cr. Above Milpond Rd.	
10016834	Campground Creek - 10 M Upstream Of River Road	
10016442	Campground Creek - Above Thill Road	
10030857	Campground Creek at Hwy Y	
10014745	East Branch Fond Du Lac River Immediately Below 12 St.	
203074	Fond Du Lac River East Branch - Cth Y	
203104	Parsons Creek - 100 Feet Above Cth B	
10014501	Parsons Creek At Church Rd	
203164	Parsons Creek At Lost Arrow Road	
203102	Parsons Creek Upstream Hickory Rd	
10016626	Sevenmile Creek - 40 M Upstream Of Vielbig Road	
10017190	W. Br. Fond Du Lac R.-Cth C In Eldorado. 20 Ft. Above Bridge And 50 Ft. Below Dam.	
10016347	West Br. Fond Du Lac River - Highway 23	
10037662	West Branch Fond Du Lac River on Forest Ave	

### Assessment Units

## Wisconsin Department of Natural Resources SWIMS Project Summary

WBIC	Segment	Local Name	Official Name
133700	1	Fond Du Lac River	Fond Du Lac 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
135900	2	East Branch Fond Du Lac River	East Branch Fond Du Lac River
136000	1	Parsons Creek	Parsons Creek
136000	2	Parsons Creek	Parsons Creek
136000	3	Parsons Creek	Parsons Creek
136800	1	Sevenmile Creek	Sevenmile Creek
137400	2	Byron Creek	Campground Creek
137400	3	Byron Creek	Campground Creek

### Lab Account Codes

Account Code	Description	Start Date	End Date
WQ012	319 PROJECT FUNDED TWA	03/24/2015	12/31/2015

### Forms

Form Code	Form Name
-----------	-----------

### Methods

Method Code	Description
-------------	-------------

### Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
05/26/2015 10:30	COMPLETE	NA	10016626	Sevenmile Creek - 40 M Upstream Of Vielbig Road
05/26/2015 11:00	COMPLETE	NA	203074	Fond Du Lac River East Branch - Cth Y
05/26/2015 11:45	COMPLETE	NA	10016442	Campground Creek - Above Thill Road
05/26/2015 12:25	COMPLETE	NA	10021258	Campground Cr. Above Milpond Rd.
05/26/2015 13:00	COMPLETE	NA	203104	Parsons Creek - 100 Feet Above Cth B
05/26/2015 14:00	COMPLETE	NA	10016347	West Br. Fond Du Lac River - Highway 23
05/26/2015 15:00	COMPLETE	NA	10017190	W. Br. Fond Du Lac R.-Cth C In Eldorado. 20 Ft. Above Bridge And 50 Ft. Below Dam.
05/26/2015 15:30	COMPLETE	NA	10014745	East Branch Fond Du Lac River Immediately Below 12 St.
05/26/2015 16:00	COMPLETE	NA	10037662	West Branch Fond Du Lac River on Forest Ave
06/23/2015	COMPLETE	NA	10016347	West Br. Fond Du Lac River - Highway 23
06/23/2015	COMPLETE	NA	203104	Parsons Creek - 100 Feet Above Cth B
06/23/2015 10:00	COMPLETE	NA	10016626	Sevenmile Creek - 40 M Upstream Of Vielbig Road
06/23/2015 10:30	COMPLETE	NA	203074	Fond Du Lac River East Branch - Cth Y
06/23/2015 10:50	COMPLETE	NA	10016442	Campground Creek - Above Thill Road
06/23/2015 11:20	COMPLETE	NA	10021258	Campground Cr. Above Milpond Rd.
06/23/2015 12:30	COMPLETE	NA	10014745	East Branch Fond Du Lac River Immediately Below 12 St.
06/23/2015 13:30	COMPLETE	NA	10037662	West Branch Fond Du Lac River on Forest Ave
06/23/2015 14:15	COMPLETE	NA	10017190	W. Br. Fond Du Lac R.-Cth C In Eldorado. 20 Ft. Above Bridge And 50 Ft. Below Dam.
07/28/2015 10:45	COMPLETE	NA	10016626	Sevenmile Creek - 40 M Upstream Of Vielbig Road
07/28/2015 12:40	COMPLETE	NA	203074	Fond Du Lac River East Branch - Cth Y
07/28/2015 13:00	COMPLETE	NA	10016442	Campground Creek - Above Thill Road
07/28/2015 15:00	COMPLETE	NA	10021258	Campground Cr. Above Milpond Rd.
07/28/2015 15:05	COMPLETE	NA	203104	Parsons Creek - 100 Feet Above Cth B

## Wisconsin Department of Natural Resources SWIMS Project Summary

Start Date	Status	Field ID	Station ID	Station Name
07/28/2015 15:40	COMPLETE	NA	10037662	West Branch Fond Du Lac River on Forest Ave
07/28/2015 15:45	COMPLETE	NA	10014745	East Branch Fond Du Lac River Immediately Below 12 St.
07/28/2015 16:15	COMPLETE	NA	10016347	West Br. Fond Du Lac River - Highway 23
07/28/2015 16:30	COMPLETE	NA	10017190	W. Br. Fond Du Lac R.-Cth C In Eldorado. 20 Ft. Above Bridge And 50 Ft. Below Dam.
08/25/2015	COMPLETE	NA	10021258	Campground Cr. Above Milpond Rd.
08/25/2015 11:20	COMPLETE	NA	10016626	Sevenmile Creek - 40 M Upstream Of Vielbig Road
08/25/2015 11:30	COMPLETE	NA	203074	Fond Du Lac River East Branch - Cth Y
08/25/2015 11:45	COMPLETE	NA	10016442	Campground Creek - Above Thill Road
08/25/2015 13:20	COMPLETE	NA	203104	Parsons Creek - 100 Feet Above Cth B
08/25/2015 14:00	COMPLETE	NA	10014745	East Branch Fond Du Lac River Immediately Below 12 St.
08/25/2015 14:20	COMPLETE	NA	10037662	West Branch Fond Du Lac River on Forest Ave
08/25/2015 14:40	COMPLETE	NA	10016347	West Br. Fond Du Lac River - Highway 23
08/25/2015 15:00	COMPLETE	NA	10017190	W. Br. Fond Du Lac R.-Cth C In Eldorado. 20 Ft. Above Bridge And 50 Ft. Below Dam.
09/22/2015 09:15	COMPLETE	NA	10016626	Sevenmile Creek - 40 M Upstream Of Vielbig Road
09/22/2015 09:35	COMPLETE	NA	203074	Fond Du Lac River East Branch - Cth Y
09/22/2015 09:55	COMPLETE	NA	10016442	Campground Creek - Above Thill Road
09/22/2015 10:25	COMPLETE	NA	10021258	Campground Cr. Above Milpond Rd.
09/22/2015 10:50	COMPLETE	NA	203104	Parsons Creek - 100 Feet Above Cth B
09/22/2015 11:20	COMPLETE	NA	10037662	West Branch Fond Du Lac River on Forest Ave
09/22/2015 11:35	COMPLETE	NA	10014745	East Branch Fond Du Lac River Immediately Below 12 St.
09/22/2015 12:30	COMPLETE	NA	10016347	West Br. Fond Du Lac River - Highway 23
09/22/2015 12:45	COMPLETE	NA	10017190	W. Br. Fond Du Lac R.-Cth C In Eldorado. 20 Ft. Above Bridge And 50 Ft. Below Dam.
10/01/2015	COMPLETE		10016442	Campground Creek - Above Thill Road
10/07/2015	COMPLETE		10021258	Campground Cr. Above Milpond Rd.
10/07/2015	COMPLETE		203074	Fond Du Lac River East Branch - Cth Y
10/07/2015	COMPLETE		10016626	Sevenmile Creek - 40 M Upstream Of Vielbig Road
10/07/2015	COMPLETE		203164	Parsons Creek At Lost Arrow Road
10/07/2015	COMPLETE		10014501	Parsons Creek At Church Rd
10/27/2015	COMPLETE	E BRANCH FOND D	10014745	East Branch Fond Du Lac River Immediately Below 12 St.
10/27/2015 11:30	COMPLETE	SEVENMILE CREEK	10016626	Sevenmile Creek - 40 M Upstream Of Vielbig Road
10/27/2015 11:35	COMPLETE	FOND DU LAC RIVE	203074	Fond Du Lac River East Branch - Cth Y
10/27/2015 11:50	COMPLETE	CAMPGROUND CR	10016442	Campground Creek - Above Thill Road
10/27/2015 12:15	COMPLETE	CAMPGROUND CR	10021258	Campground Cr. Above Milpond Rd.
10/27/2015 12:35	COMPLETE	PARSONS CREEK	203104	Parsons Creek - 100 Feet Above Cth B
10/27/2015 12:55	COMPLETE	W BRANCH FOND I	10037662	West Branch Fond Du Lac River on Forest Ave
10/27/2015 13:50	COMPLETE	W BRANCH FOND I	10016347	West Br. Fond Du Lac River - Highway 23
10/27/2015 14:20	COMPLETE	W BR FOND DU LA	10017190	W. Br. Fond Du Lac R.-Cth C In Eldorado. 20 Ft. Above Bridge And 50 Ft. Below Dam.
06/17/2016	COMPLETE		10016626	Sevenmile Creek - 40 M Upstream Of Vielbig Road

### Documents

Title	Description	Author	Published	Comments
Campground Cr. Above Milpond Rd. 2016 Natural Community Validation Spreadsheet	Campground Cr. Above Milpond Rd. 2016 Natural Community Validation Spreadsheet	Bohla, Dave	01/30/2017	
Campground Creek - Above Thill Road 2015 NC	Campground Creek - Above Thill Road 2015 NC Verification Spreadsheet	Bolha, Dave	01/31/2017	

## Wisconsin Department of Natural Resources SWIMS Project Summary

Title	Description	Author	Published	Comments
Verification Spreadsheet				
Campground Creek at County Y with Cow, 2016 [137400], Photo	Campground Creek at County Y with Cow, 2016 [137400], Photo	Bolha, Dave	04/22/2016	
Campground Creek at County Y, 2015 [137400] Photo	Campground Creek at County Y, 2015 [137400] Photo	Bolha, Dave	07/07/2015	
Eldorado Marsh Fond Du Lac River Map for Fond Du Lac River TWA project	Eldorado Marsh Fond Du Lac River Map for Fond Du Lac River TWA project		12/24/2016	
Fond du Lac TWA WQM Plan 2017 [UF03]	Assessments and recommendations for the Watershed. Fond du Lac Watershed TWA (2014, 2015) 2017 [UF03] Presentation	Dave Bolha, Wisconsin DNR	07/06/2017	
Fond du Lac TWA WQM Plan Presentation 2017 [UF03]	Fond du Lac TWA WQM Plan 2017 [UF03] Presentation	Dave Bolha, Wisconsin DNR	08/10/2017	
Fond du Lac Watershed UF03 Map and TWA HUC10 project	Fond du Lac Watershed UF03 Map and TWA HUC10 project	Bolha, David	01/01/2015	
Livestock Access to Campground Creek at Thill Road, 2016, [137400] Photo	Livestock Access to Campground Creek at Thill Road, 2016, [137400] Photo	Bolha, David	04/22/2016	
Parsons Creek at Lost Arrow Road, 2015 [136000], Photo	Parsons Creek at Lost Arrow Road, 2015 [136000], Photo	Bolha, David	07/07/2015	
Sevenmile Creek - 40 M Upstream Of Vielbig Road Fish NC Validation Report	Sevenmile Creek - 40 M Upstream Of Vielbig Road Fish NC Validation Report	Bohla, Dave	02/03/2017	
Sevenmile Creek - 40 M Upstream Of Vielbig Road Fish NC Validation Report WBIC 136800	Sevenmile Creek - 40 M Upstream Of Vielbig Road Fish NC Validation Report WBIC 136800	Bohla, Dave	07/28/2015	

### Budget

Budget Description: FY2016 FDL Budget

Start Date: 03/01/2015

End Date: 06/30/2016

Code	Description	Quantity	Units	Unit Cost	Total Cost	Comments
FTE	FTE Hours	150	Hours	\$0.00	\$0.00	
LTE SAL	LTE Salary	120	Hours	\$13.00	\$1,560.00	
LTE FR	LTE Fringe				\$385.32	
LTE IND	LTE Indirect				\$314.56	
LTE TOT	LTE Total Cost				\$2,259.88	
SUPPLY	Supplies	1		\$400.00	\$400.00	Batteries, WIR Paper, Ice, Shipping Cost, Diatom Supplies, Jars, Alcohol
EQUIP	Equipment	1		\$85.00	\$85.00	Fiberglass Tape Measure
MILEAGE	Mileage	1000	Miles	\$0.62	\$620.00	
MEAL	Meals	24	Meals	\$10.00	\$240.00	
LODGE	Lodging				\$0.00	
TRAVEL	Travel Total				\$860.00	
BUG	Bug Contracts	6		\$180.00	\$1,080.00	
OTHER	Other Contracts	1		\$200.00	\$200.00	Diatom IBI
USGS	USGS Costs				\$0.00	
TOTAL	Total Cost (excludes SLOH)				\$4,884.88	

Test Code	Description	Test Group	# Planned	Unit Cost	Total Cost
-----------	-------------	------------	-----------	-----------	------------

## Wisconsin Department of Natural Resources SWIMS Project Summary

**Total SLOH Lab Costs:** \$0.00  
**Total Budget:** \$4,884.88

**Combined Budgets:** \$4,884.88  
**Combined SLOH:** \$0.00  
**Combined Total:** \$4,884.88

### Funding

Organization	Source	Type	Amount	Start Date	End Date
US Environmental Protection Agency	Federal	CWA 319			