

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: NER_05_CMP12
Name: East Twin River initial assessment NER_05_CMP12 -
Type: Targeted Monitoring
Subtype: Special Project
Status: COMPLETE
Start Date: 07/01/2011
End Date: 06/30/2012
Purpose: This project is to do an initial assessment on the upper reaches of the East Twin River (WBIC 84000) to determine if there are any impairments and if additional data are needed to determine if the river should be added to the 303(d) list. The timing of this project is excellent because the fisheries folks are planning to assess the fish community in the upper reaches of the East Twin River this summer so the monitoring can be used in conjunction with the fish data to determine the current overall stream health.

Objective:

Comments: Category 2: 303(d) Impaired Waters List Project

Outcome: These are milestones that will be reported on in the Division Quarterly Report. Please estimate dates in a manner that encourages success. 1) The East Twin River will be monitored at 4 locations. 2) Habitat assessments will be conducted at each of the 4 locations one time in the summer of 2011. Macroinvertebrates will be collected at 4 locations in the fall of 2011. Continuous temperature monitors (HOBO's) will be installed at 4 sites for the entire 2011 summer. A dissolved oxygen/temperature/pH/specific conductivity meter will be installed at two locations for one to two weeks in mid-summer. Water samples will be collected for chloride, total phosphorus, and ammonia four times total at all four sites. 3) All data will be entered into the appropriate databases by March 2012. 4) Final report will be complete by June 30, 2012.

Study Design:

QA Measures:

People

Name	Role	Status	Start Date	End Date	Organization	Comments
Gansberg, Mary K	COORDINATOR	COMPLETE	07/01/2011	06/30/2012	Wisconsin DNR	
Hudak, Andrew J	DATA_ENTRY	INACTIVE	07/01/2011	06/30/2012	Wisconsin DNR	
RIEBE, JUSTIN H	DATA_ENTRY	COMPLETE	10/24/2011		Wisconsin DNR	

Project Statuses

Date	Reported By	Status	Comments
01/28/2011	MOLLI MACDONALD	Proposed	
08/24/2011	Mary Gansberg	Progress: 25-50% Complete	
09/29/2011	Mary Gansberg	Progress: 50-75% Complete	Monitoring on-going with good progress
01/06/2012	Mary Gansberg	Progress: 50-75% Complete	Extensive water quality, habitat, and fisheries assessments were conducted on the East Twin River (WBIC 84000) and Unnamed Tributaries to the East Twin River (WBIC 3000211, 3000212, 3000213) in 2011. All lab results are in except for the macroinvertebrate data. Most of the monitoring data has been uploaded into SWIMS. Continuous dissolved oxygen data is still being worked on. WET testing was done at five locations as part of this project. Kari Fleming is assisting in WET data analysis. A final report summarizing all the results will be developed in winter-spring 2012.
08/29/2012	Mary Gansberg	Progress: 50-75% Complete	Additional water quality samples were collected this spring to complete the data set. Report will be completed and submitted this winter.
01/31/2013	Mary Gansberg	Complete	Project completed and final report uploaded to SWIMS. Project closed.

Project Status Detail

Answer Set: DEFAULT

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Question**Answer**

5. FTE Hours (Funds) Needed
6. LTE Hours (Funds) Needed
7. Supplies - Describe in Detail
8. Describe Travel Needed
9. UWSP Samples (Number)
10. Additional Contractual dollars - Who? What? and How much?
11. Equipment - What is needed and Why? (New Equipment, Cost?)
12. Capital Equipment >\$5,000 - Describe needed equipment [Note: Federal funds cannot be used to purchase capital equipment].
13. State Lab of Hygiene Analyses: Describe the number and type of parameters - See Worksheet
14. Partner Contributions: Describe any funding provided by other DNR programs or non-DNR contributions.
18. Regional Priority by Category (ex: Cat. 1-1st, Cat. 2-2nd)

Actions

Action	Detailed Description	Start	End Date	Status
Monitor or Propose 303(d) Listing	East Twin River (WBIC 84000) Upper reaches	07/01/2011	06/30/2012	COMPLETE
Rivers Planning Grant	This project is to do an initial assessment on the upper reaches of the East Twin River (WBIC 84000) to determine if there are any impairments and if additional data are needed to determine if the river should be added to the 303(d) list. The timing of this project is excellent because the fisheries folks are planning to assess the fish community in the upper reaches of the East Twin River this summer so the monitoring can be used in conjunction with the fish data to determine the current overall stream health.	07/01/2011	06/30/2012	COMPLETE
Details:	Parameter	Value/Amount	Units	Comments
	Temperature			
	Total Nitrogen			
	Total Phosphorus			
	Total Suspended Solids			

Monitoring Stations

Station ID	Name	Comments
104445	East Twin River	
10008206	East Twin River - East Twin River - Townline Road	
10008204	East Twin River - Hwy J	
10034445	East Twin River at CTH F first crossing east of Ellisville	
10030630	East Twin River at Krok Road	
10020812	East Twin River-75 Feet Above Bridge Off Krok Rd.	
10020787	East Twin River-Pool Area Above Bridge Off Tn. Rd. North Of Krok.	
10033637	Unnamed Trib to East Twin River at Cherneyville Rd	

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Station ID	Name	Comments
10030304	Unnamed Tributary to East Twin River at Hrabik Road	
10033921	Unnamed Tributary to East Twin River at stream mouth	
10029041	unnamed trib to East Twin R at Cherneyville Rd	
10029040	unnamed trib to East Twin R at Sleepy hollow	

Assessment Units

WBIC	Segment	Local Name	Official Name
84000	1	East Twin River	East Twin River
84000	2	East Twin River	East Twin River
84000	3	East Twin River	East Twin River
84000	4	East Twin River	East Twin River
3000211	1	Local Water	Unnamed
3000212	1	Unnamed Stream	Unnamed
3000213	1	Unnamed Stream	Unnamed
5021266	1	Unnamed Stream	Unnamed
5021647	1	Unnamed Stream	Unnamed
5021772	1	Unnamed Stream	Unnamed
5022014	1	Unnamed Stream	Unnamed

Lab Account Codes

Account Code	Description	Start Date	End Date
WT142	303D/TMDL MONITORING	05/03/2011	06/30/2012

Forms

Form Code	Form Name
CONTINUOUS	Continuous Data Upload

Methods

Method Code	Description
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Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
05/05/2011 18:00	COMPLETE		10030304	Unnamed Tributary to East Twin River at Hrabik Road
05/05/2011 18:00	COMPLETE		10008206	East Twin River - East Twin River - Townline Road
05/05/2011 18:00	COMPLETE		10030630	East Twin River at Krok Road
05/05/2011 18:00	COMPLETE		10008204	East Twin River - Hwy J
05/31/2011	COMPLETE	ET-5	10008204	East Twin River - Hwy J
05/31/2011	COMPLETE		10033637	Unnamed Trib to East Twin River at Cherneyville Rd
05/31/2011 09:15	COMPLETE	ET-3	10008206	East Twin River - East Twin River - Townline Road
05/31/2011 09:30	COMPLETE	UT-2	10030304	Unnamed Tributary to East Twin River at Hrabik Road
05/31/2011 10:00	COMPLETE	ET-4	10030630	East Twin River at Krok Road
05/31/2011 10:15	COMPLETE	UT-1	10033637	Unnamed Trib to East Twin River at Cherneyville Rd
06/20/2011 09:00	COMPLETE	UT-1	10033637	Unnamed Trib to East Twin River at Cherneyville Rd
06/20/2011 09:20	COMPLETE	K-4	10030630	East Twin River at Krok Road
06/20/2011 09:35	COMPLETE	UT-2	10030304	Unnamed Tributary to East Twin River at Hrabik Road
06/20/2011 09:55	COMPLETE	T-3	10008206	East Twin River - East Twin River - Townline Road
06/20/2011 10:20	COMPLETE	J-5	10008204	East Twin River - Hwy J

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Start Date	Status	Field ID	Station ID	Station Name
07/11/2011 08:45	COMPLETE	E-41	104445	East Twin River
07/11/2011 09:00	COMPLETE	UT-MO	10033921	Unnamed Tributary to East Twin River at stream mouth
07/11/2011 09:15	COMPLETE	T-3	10008206	East Twin River - East Twin River - Townline Road
07/11/2011 10:00	COMPLETE	UT-1	10033637	Unnamed Trib to East Twin River at Cherneyville Rd
07/11/2011 10:10	COMPLETE	K-4	10030630	East Twin River at Krok Road
07/11/2011 10:30	COMPLETE	J-5	10008204	East Twin River - Hwy J
07/26/2011	COMPLETE	HOBO	10034445	East Twin River at CTH F first crossing east of Ellisville
08/05/2011	COMPLETE	HOBO	10020812	East Twin River-75 Feet Above Bridge Off Krok Rd.
08/05/2011	COMPLETE	HOBO	10020787	East Twin River-Pool Area Above Bridge Off Tn. Rd. North Of Krok.
08/22/2011 09:30	COMPLETE	UT-MO	10033921	Unnamed Tributary to East Twin River at stream mouth
08/22/2011 09:45	COMPLETE	E-41	104445	East Twin River
08/22/2011 10:00	COMPLETE	T-3	10008206	East Twin River - East Twin River - Townline Road
08/22/2011 10:15	COMPLETE	UT-1	10033637	Unnamed Trib to East Twin River at Cherneyville Rd
08/22/2011 10:30	COMPLETE	K-4	10030630	East Twin River at Krok Road
08/22/2011 10:45	COMPLETE	J-5	10008204	East Twin River - Hwy J
09/26/2011 09:45	COMPLETE	E-41	104445	East Twin River
09/26/2011 09:55	COMPLETE	UT-MO	10033921	Unnamed Tributary to East Twin River at stream mouth
09/26/2011 10:15	COMPLETE	T-3	10008206	East Twin River - East Twin River - Townline Road
09/26/2011 11:00	COMPLETE	UT-1	10033637	Unnamed Trib to East Twin River at Cherneyville Rd
09/26/2011 11:15	COMPLETE	K-4	10030630	East Twin River at Krok Road
09/26/2011 11:45	COMPLETE	J-5	10008204	East Twin River - Hwy J
09/27/2011	COMPLETE	Macroinvertebrates	10034445	East Twin River at CTH F first crossing east of Ellisville
09/27/2011	COMPLETE		10008206	East Twin River - East Twin River - Townline Road
09/27/2011	COMPLETE		10008204	East Twin River - Hwy J
09/27/2011	COMPLETE		10030630	East Twin River at Krok Road
09/27/2011	COMPLETE		10030304	Unnamed Tributary to East Twin River at Hrabik Road
09/27/2011	COMPLETE		104445	East Twin River
10/17/2011 11:00	COMPLETE	J-5	10008204	East Twin River - Hwy J
10/17/2011 11:30	COMPLETE	K-4	10030630	East Twin River at Krok Road
10/17/2011 11:45	COMPLETE	UT-MO	10033921	Unnamed Tributary to East Twin River at stream mouth
10/17/2011 12:30	COMPLETE	T-3	10008206	East Twin River - East Twin River - Townline Road
10/17/2011 13:30	COMPLETE	W-41	104445	East Twin River
10/17/2011 13:45	COMPLETE	UT-1	10033637	Unnamed Trib to East Twin River at Cherneyville Rd
05/09/2012 12:15	COMPLETE	UT-MO	10033921	Unnamed Tributary to East Twin River at stream mouth
05/09/2012 12:30	COMPLETE	E-41	104445	East Twin River
06/18/2012 15:00	COMPLETE	E-41	104445	East Twin River
06/18/2012 15:05	COMPLETE	UT-MO	10033921	Unnamed Tributary to East Twin River at stream mouth
11/18/2016 13:45	COMPLETE	1	104445	East Twin River
11/18/2016 14:00	COMPLETE	2	10033921	Unnamed Tributary to East Twin River at stream mouth
11/18/2016 14:15	COMPLETE	3	10008206	East Twin River - East Twin River - Townline Road
11/18/2016 14:30	COMPLETE	4	10030304	Unnamed Tributary to East Twin River at Hrabik Road
11/18/2016 14:45	COMPLETE	5	10029040	unnamed trib to East Twin R at Sleepy hollow
11/18/2016 15:00	COMPLETE	6	10033637	Unnamed Trib to East Twin River at Cherneyville Rd

Documents

Title	Description	Author	Published	Comments
East Twin River Townline	at Station ID 10008206		11/18/2016	

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Title	Description	Author	Published	Comments
Road photo				
East Twin River photo DS Hwy 29			11/18/2016	
Un Trib at Cherneyville Rd below discharge photo	at Station ID 10033637		11/18/2016	
Un Trib at Cherneyville Rd below discharge photo	at Station ID 10033637		11/18/2016	
Un Trib to East Twin R. at Sleepy Hollow Rd photo	at Station ID 10029040		11/18/2016	
Un Trib to East Twin River at Hrabik Road	at Station ID 10030304		11/18/2016	
Un Trib to East Twin River at mouth photo			11/18/2016	
Water Quality Surveys of the East Twin River and Unnamed Tributary to the East Twin River, Kewaunee County-2011 and 2012	Report summarizing water quality, habitat, and the macroinvertebrate and fisheries communities of the upper reaches of the East Twin River and Unnamed Tributary to the East Twin River with impairment recommendations.	Mary Gansberg and Steve Hogler	01/31/2013	Final report

Budget

Budget Description: Budget for East Twin River initial assessment
NER_05_CMP12 - **Start Date:** 07/01/2011 **End Date:** 06/30/2012

Code	Description	Quantity	Units	Unit Cost	Total Cost	Comments
FTE	FTE Hours	120	Hours	\$0.00	\$0.00	
LTE SAL	LTE Salary	40	Hours	\$13.00	\$520.00	
LTE FR	LTE Fringe				\$128.44	
LTE IND	LTE Indirect				\$104.85	
LTE TOT	LTE Total Cost				\$753.29	
SUPPLY	Supplies				\$0.00	
MILEAGE	Mileage	240	Miles	\$0.72	\$172.80	
MEAL	Meals	3	Meals	\$9.00	\$27.00	
LODGE	Lodging				\$0.00	
TRAVEL	Travel Total				\$199.80	
BUG	Bug Contracts	4		\$165.00	\$660.00	
OTHER	Other Contracts				\$0.00	
EQUIP	Equipment				\$0.00	
USGS	USGS Costs				\$0.00	
TOTAL	Total Cost (excludes SLOH)				\$1,613.09	

Test Code	Description	Test Group	# Planned	Unit Cost	Total Cost
I240FLT	CHLORIDE (EPA 325.2)	INORGANIC CHEMISTRY	34	\$20.00	\$680.00
I520PLT	TOTAL PHOSPHORUS (AS P) (EPA 365.1)	INORGANIC CHEMISTRY	34	\$23.60	\$802.40

Total SLOH Lab Costs: \$1,482.40
Total Budget: \$3,095.49

Combined Budgets: \$1,613.09
Combined SLOH: \$1,482.40
Combined Total: \$3,095.49

**Wisconsin Department of Natural Resources
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Funding

Organization	Source	Type	Amount	Start Date	End Date
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