

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: SCR_04_CMP11 ATTAINS
Name: Babb Creek 303d validation Project [SCR_04_CMP11]
Type: TMDL/303d Projects
Subtype: Monitor Listed Waters
Status: COMPLETE
Start Date: 07/01/2010
End Date: 06/30/2011
Purpose: The objective is to update habitat data and collect missing fish IBI, macroinvertebrate and water chemistry data. A 303d documentation report will be written. Qualitative habitat information was collected in 2001 at 3 sites, and indicated habitat ranged from poor to good, depending on location. A single fish IBI was collected in 2000, and rated poor. Additional information is necessary to validate the listing. Babb Creek (WBIC: 1279100) is currently on the 303d impaired waters list. The project will provide a defensible data set to validate Babb Creek 303d listing.

Babb Creek is a 6-mile tributary to the Baraboo River. The creek supports a warm water forage fishery. Sampling conducted in the summer of 2000 found the water to be of fair quality. The stream is considered impaired as a result of nonpoint sources of pollution and is listed on the EPA's list of impaired waters. This nonpoint pollution comes from general erosion as well as streambank pasturing. Babb Creek was a baseline monitored stream in 2000. A rare aquatic species has been found in the creek in past surveys. A cursory habitat evaluation was conducted during the summer of 2001. The evaluation found the creek to have good in-stream habitat at the mouth and fair to poor habitat upstream. In the upper reaches of the creek, there is evidence of heavy watershed erosion and nonpoint sources of pollution. In addition, unstable banks were noted. These nonpoint sources of pollution have contributed sediment to the system and increased the amount of sediment found on the bottom of the stream.

Objective: The objective is to update habitat data and collect missing fish IBI, macroinvertebrate and water chemistry data. A 303d documentation report will be written. Qualitative habitat information was collected in 2001 at 3 sites, and indicated habitat ranged from poor to good, depending on location. A single fish IBI was collected in 2000, and rated poor. Additional information is necessary to validate the listing.

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

Outcome: Three sites will be monitored along 6.4 stream miles. Each site will require three visits to collect qualitative habitat, water chemistry, fish IBI, macroinvertebrates, and to deploy/retrieve continuous temperature monitors. Data collection will be completed in fall of 2010. Data will be entered into SWIMS and FM databases by Unmuth and intern by winter of 2011. A 303 d impaired waters document will be attached to WATERS database by winter of 2011.

Study Design:

QA Measures:

People

Name	Role	Status	Start Date	End Date	Organization	Comments
SEARLE, GREGORY S	SUPERVISOR	ACTIVE	07/01/2010	06/30/2011	Wisconsin DNR	
UNMUTH, JEAN M	COORDINATOR	COMPLETE	07/01/2010	06/30/2011	Wisconsin DNR	

Project Statuses

Date	Reported By	Status	Comments
02/19/2010	JEAN UNMUTH	Proposed	3 sample sites SWIMS Station ID: 10008283, and two stations not yet identified. 3 sample events Spring: Deploy continuous water temperature monitors Summer: Collect fish IBI, qualitative habitat, total suspended solids, instantaneous temperature, dissolved oxygen, pH, conductivity, transparency and flows. Fall: retrieve continuous water temperature monitors & collect macroinvertebrates
03/08/2010	JEAN UNMUTH	Proposed	Quantitative habitat at 3 sites, instead of Qualitative habitat
12/07/2010	MOLLI MACDONALD	Progress: 0-25% Complete	Need January status update.

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Date	Reported By	Status	Comments
12/20/2010	JEAN UNMUTH	Progress: 25-50% Complete	Fish and Macroinvertebrate IBI information was collected, Habitat and water quality was collected. Fieldwork is completed. Continuous temperature monitors were lost during a flood event. Sauk County deployed a Continuous meter 3 times during the summer and collected data at the Fish Pond road site. They will transfer the information to WDNR for upload into SWIMS. Data entry is completed but not proofed, Macroinvertebrates were sent to the lab. Data has not been summarized and the report has not been written
07/14/2011	JEAN UNMUTH	Progress: 75-100% Complete	Water Temperature tidbit data uploaded to swims, macroinvertebrate data is back from the lab. Data needs summary and final report
03/28/2012	JEAN UNMUTH	Complete	Impaired waters document with final report is attached to WATERS database.

Actions

Action	Detailed Description	Start	End Date	Status
Monitor or Propose 303(d) Listing	The objective is to update habitat data and collect missing fish IBI, macroinvertebrate and water chemistry data. A 303d documentation report will be written. Qualitative habitat information was collected in 2001 at 3 sites, and indicated habitat ranged from poor to good, depending on location. A single fish IBI was collected in 2000, and rated poor. Additional information is necessary to validate the listing.	07/01/2010	01/12/2011	PROPOSED

Monitoring Stations

Station ID	Name	Comments
10031227	Babb Creek Fish Pond Rd.	
10031228	Babb Creek Lavelle Street	This site has water levels too deep to wade.
10031633	Babb Creek Preston Ave. Bridge	
10008283	Babb Creek Station 1 Coon Valley Rd	

Assessment Units

WBIC	Segment	Local Name	Official Name
1279100	1	Babb Creek	Babb Creek

Lab Account Codes

Account Code	Description	Start Date	End Date
WT117	STREAMS/RIVERS SPECIAL PROJECT	06/03/2010	06/30/2011

Forms

Form Code	Form Name
CONTINUOUS	Continuous Data Upload

Methods

Method Code	Description
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Fieldwork Events

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Start Date	Status	Field ID	Station ID	Station Name
06/09/2010 15:00	COMPLETE		10031227	Babb Creek Fish Pond Rd.
06/17/2010 16:00	COMPLETE		10031227	Babb Creek Fish Pond Rd.
06/24/2010 10:00	COMPLETE		10031227	Babb Creek Fish Pond Rd.
08/06/2010 10:15	COMPLETE	BABB1	10031227	Babb Creek Fish Pond Rd.
08/06/2010 12:30	COMPLETE	BABB2	10008283	Babb Creek Station 1 Coon Valley Rd
08/06/2010 13:45	COMPLETE	BABB3	10031228	Babb Creek Lavalley Street
08/15/2010 15:00	COMPLETE		10031227	Babb Creek Fish Pond Rd.
10/25/2010 09:00	COMPLETE	20101025-57-03	10031227	Babb Creek Fish Pond Rd.
10/25/2010 10:00	COMPLETE	20101025-57-02	10008283	Babb Creek Station 1 Coon Valley Rd
10/25/2010 11:00	COMPLETE	20101025-57-01	10031633	Babb Creek Preston Ave. Bridge

Documents

Title	Description	Author	Published	Comments
Babb Cr. 2010 Data Summary	Fish, Habitat, Water Quality	Jean M. Unmuth	02/15/2012	
Babb Cr. 2010 Study Site Map		Jean M. Unmuth	02/15/2012	
Babb Creek 2010-2011 Study Final Report		Jean M. Unmuth	03/12/2012	Babb Creek should remain on the impaired waters list.
Babb Creek Impaired Waters Document	Impaired waters documentation	Unmuth, Jean M	03/27/2012	

Budget

Budget Description: Budget for Babb Creek 303d validation Project [SCR_04_11] **Start Date:** 07/01/2010 **End Date:** 06/30/2011

Code	Description	Quantity	Units	Unit Cost	Total Cost	Comments
FTE	FTE Hours	48	Hours	\$0.00	\$0.00	
LTE SAL	LTE Salary	39	Hours	\$13.00	\$507.00	1 LTE
LTE FR	LTE Fringe				\$125.23	
LTE IND	LTE Indirect				\$102.23	
LTE TOT	LTE Total Cost				\$734.46	
SUPPLY	Supplies	39		\$13.00	\$507.00	Cost of intern hours
MILEAGE	Mileage	800	Miles	\$0.63	\$504.00	2 vehicles (one from region, one from dodgeville)
MEAL	Meals	12	Meals	\$4.00	\$48.00	
LODGE	Lodging				\$0.00	
TRAVEL	Travel Total				\$552.00	
BUG	Bug Contracts	3		\$148.00	\$444.00	
OTHER	Other Contracts				\$0.00	
EQUIP	Equipment				\$0.00	
USGS	USGS Costs				\$0.00	
TOTAL	Total Cost (excludes SLOH)				\$2,237.46	

Test Code	Description	Test Group	# Planned	Unit Cost	Total Cost
I650JLT	SUSPENDED SOLIDS (EPA METHOD 160.2)	INORGANIC CHEMISTRY	3	\$18.80	\$56.40

Total SLOH Lab Costs: \$56.40
Total Budget: \$2,293.86

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Combined Budgets: \$2,237.46
Combined SLOH: \$56.40
Combined Total: \$2,293.86

Funding

Organization	Source	Type	Amount	Start Date	End Date
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