

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: East_TWA_4_2014

Name: North Branch Beaver Creek TWA WQM Plan, 2017

Type: Targeted Watershed Approach

Subtype: Evaluation (TP SSC, Stressor, Bioassess)

Status: COMPLETE

Start Date: 01/01/2014

End Date: 12/31/2014

Purpose: The North Branch of Beaver Creek is an 11.86 mile long tributary to the Peshtigo River within the Little Peshtigo River watershed in southern Marinette County. The North Branch Beaver Creek sub-watershed is 20.8 square miles with streams that are mainly cool to cold water. The North Branch Beaver Creek is an excellent brown and brook trout stream with hard, clear, and slightly alkaline waters which are conducive to high productivity. Walker Creek, and a smaller unnamed headwater streams comprise the streams that all capable of supporting trout and mottled sculpin and are classified as Outstanding Resource Waters. There are no waterways listed as impaired in the sub-watershed.

Objective: Read the [North Branch of Beaver Creek TWA WQ Plan](https://dnr.wi.gov/water/wsSWIMSDocument.ashx?documentSeqNo=145826387). Water quality monitoring was conducted at 8 wadeable sites throughout the watershed in the spring, summer, and fall of 2014. During each field visit, basic water quality parameters including air temperature, water temperature, conductivity, dissolved oxygen, dissolved oxygen percent, pH, flow, and water clarity were collected. Total Phosphorous samples were collected by a citizen volunteer once per month throughout the growing season from May-October. A continuous temperature HOBO was installed at this site and collected continuous water temperature reading between May-October.

Comments: 40301050503 (east region huc)
HUC 12 - 70400071102

Outcome:

Study Design:

QA Measures: All standard DNR protocols will be followed.

People

Name	Role	Status	Start Date	End Date	Organization	Comments
Helmuth, Lisa D	COORDINATOR	ACTIVE	11/23/2019		Wisconsin DNR	
Hudak, Andrew J	COORDINATOR	COMPLETE	01/01/2014	12/31/2099	Wisconsin DNR	

Project Statuses

Date	Reported By	Status	Comments
02/11/2014	Andrew Hudak	Proposed	
01/06/2016	Andrew Hudak	Progress: 75-100% Complete	Bug samples were received fall 2015. Final report completion in progress.
01/21/2016	Andrew Hudak	Complete	Final Report Uploaded

Project Status Detail

Answer Set: DEFAULT

Question	Answer
1. Number of Sample Sites (Enter the station IDs if you know them).	
2. Number of Sample Events (Indicate how many trips into the field you anticipate for this project).	
3. Proposed Dates for Sample Collection	
4. List applicable databases and who will enter data?	
5. Did you receive competitive projects funding in the previous year?	
6. If yes to question 5, did you complete the projects including data entry and reports as necessary? If not, why not?	
7. Reviewer Notes: Identify questions or issues with project	

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Question**Answer**

(use during review period)

8. Reviewer Decision: Is this project recommended for funding?

Actions

Action	Detailed Description	Start	End Date	Status
Master Planning	DNR should update the Master Plan for the North Branch Beaver Creek State Fishery Area, which was last updated in 1980 (see map).	01/01/2014	12/31/2014	PROPOSED
Runoff Grant	Marinette County Conservation Department and/or other county staff should apply for runoff and river grants to identify and fund specific resource actions that would further protect and restore the high quality waters of the North Beaver Creek Subwatershed area.	01/01/2014	12/31/2014	PROPOSED
Control Streambank Erosion	Stream corridors should be managed to encourage removal of woody vegetation to prevent overgrowth along banks, to control regrowth, and use management practices that avoid destabilization of banks. North Branch Beaver Creek (520400)	01/01/2014	12/31/2014	PROPOSED
Best Management Practices, Implement	Stream corridors should be managed to encourage removal of woody vegetation to prevent overgrowth along banks, to control regrowth, and use management practices that avoid destabilization of banks.	01/01/2014	12/31/2014	PROPOSED
Monitor and/or Protect Groundwater, Sourcewater	DNR should work with the county and local partners to identify protection measures for sensitive waters in the watershed – North Branch, Walker Creek, and unnamed tributaries.	01/01/2014	12/31/2014	PROPOSED
Best Management Practices, Implement	DNR should continue to pursue partnership projects with local area conservation organizations including trout unlimited and local agencies. • DNR should work with local partners to reduce streambank grazing and reducing related impacts and related programs through conservation practices.	01/01/2014	12/31/2014	PROPOSED
Rivers Management Grant	Marinette County Conservation Department and/or other county staff should apply for runoff and river grants to identify and fund specific resource actions that would further protect and restore the high quality waters of the North Beaver Creek Subwatershed area.	01/01/2014	12/31/2014	PROPOSED
Natural Community Review or Change	Natural communities in this subwatershed at North Branch Beaver Creek Downstream 25th Road should be changed from the modeled natural communities to a coldwater community.	01/09/2018		PROPOSED
Natural Community Review or Change	Natural communities in this subwatershed at North Branch Beaver Creek DS 21st Road should be changed from the modeled natural communities to a coldwater community.	01/09/2018		PROPOSED

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Action	Detailed Description	Start	End Date	Status
Natural Community Review or Change	Natural communities in this subwatershed at UNT to North Branch Beaver Creek US Confluence North Branch Beaver Creek should be changed from the modeled natural communities to a coldwater community.	01/09/2018		PROPOSED
Natural Community Review or Change	Natural community at North Branch Beaver Creek US Walker Creek Confluence stream stations in this subwatershed should be changed from the modeled natural communities to a coldwater community.	01/09/2018		PROPOSED
Monitor and/or Protect Groundwater, Sourcewater	Ensure proper evaluation of high capacity wells so as to not impact springs or small tributaries that contribute base flow to Walker and North Branch Beaver Creek.	01/09/2018		PROPOSED
Natural Community Review or Change	Natural community at North Branch Beaver Creek US CTH P stream stations in this subwatershed should be changed from the modeled natural communities to a coldwater community.	01/09/2018		PROPOSED
Natural Community Review or Change	Natural community at North Branch Beaver Creek US CTH P stream stations in this subwatershed should be changed from the modeled natural communities to a coldwater community.	01/09/2018		PROPOSED
Natural Community Review or Change	Natural communities in this subwatershed at North Branch Beaver Creek Public Access Land 37th Road should be changed from the modeled natural communities to a coldwater community	01/09/2018		PROPOSED
Natural Community Review or Change	Natural communities near stream stations in this subwatershed at Walker Creek Downstream 33rd Road should be changed from the modeled natural communities to a coldwater community.	01/09/2018		PROPOSED
Natural Community Review or Change	Natural communities near stream stations in this subwatershed at Walker Creek DS 37th Road should be changed from the modeled natural communities to a coldwater community.	01/09/2018		PROPOSED

Monitoring Stations

Station ID	Name	Comments
383169	Beaver Cr N Branch - Hwy P	
10013177	N. Br. Beaver Creek-Downstream Of Culvert On 25th Road	
10013181	N. Br. Beaver Creek-Upstream Of Cth P To Highway 141	
10042955	North Branch Beaver Creek 10m US UNT; 50m US Walker Creek	
10022047	North Branch Beaver Creek 21st Rd	
10042822	North Branch Beaver Creek at public access lot off 37th Rd	
10042956	UNT to North Branch Beaver Creek 30m US from Confluence	
383168	Walker Creek - 33rd Road	
10038311	Walker Creek - 37th Rd downstream	

Assessment Units

WBIC	Segment	Local Name	Official Name
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WBIC	Segment	Local Name	Official Name
520400	1	North Branch Beaver Creek	North Branch Beaver Creek
520400	2	North Branch Beaver Creek	North Branch Beaver Creek
520700	1	Walker Creek	Walker Creek
520800	1	Local Water	Unnamed
520900	1	Local Water	Unnamed

Lab Account Codes

Account Code	Description	Start Date	End Date
WQ002	TARGETED WATERSHED ASSESSMENTS	03/26/2014	12/31/2099

Forms

Form Code	Form Name
CONTINUOUS	Continuous Data Upload

Methods

Method Code	Description
DNR-FPM-1001.3	Benthic Invertebrate D-Frame Net, Kick Samples 1988
ELECTROFISHING: BACKPACK SHOCKER	Electrofishing: Backpack Shocker
ELECTROFISHING: STREAM SHOCKER	Electrofishing: Stream Shocker
WAV STREAM MONITORING PROTOCOLS	Water Action Volunteers (WAV) Stream Monitoring Protocols 2009

Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
05/21/2014 10:31	COMPLETE	NA	383169	Beaver Cr N Branch - Hwy P
05/22/2014 01:00	COMPLETE		383169	Beaver Cr N Branch - Hwy P
06/12/2014 19:00	COMPLETE		10013177	N. Br. Beaver Creek-Downstream Of Culvert On 25th Road
06/12/2014 19:00	COMPLETE		383168	Walker Creek - 33rd Road
06/17/2014 09:53	COMPLETE	NA	383169	Beaver Cr N Branch - Hwy P
07/23/2014 08:30	COMPLETE	NA	383169	Beaver Cr N Branch - Hwy P
08/26/2014 10:17	COMPLETE	NA	383169	Beaver Cr N Branch - Hwy P
09/16/2014	COMPLETE	20140916-38-01	10013181	N. Br. Beaver Creek-Upstream Of Cth P To Highway 141
09/16/2014	COMPLETE		10022047	North Branch Beaver Creek 21st Rd
09/19/2014 09:46	COMPLETE	NA	383169	Beaver Cr N Branch - Hwy P
09/29/2014	COMPLETE	20140929-38-01	10013177	N. Br. Beaver Creek-Downstream Of Culvert On 25th Road
09/29/2014	COMPLETE		10038311	Walker Creek - 37th Rd downstream
09/29/2014	COMPLETE		383168	Walker Creek - 33rd Road
09/29/2014	COMPLETE		10042822	North Branch Beaver Creek at public access lot off 37th Rd
10/06/2014	COMPLETE		10042956	UNT to North Branch Beaver Creek 30m US from Confluence
10/06/2014	COMPLETE		10042955	North Branch Beaver Creek 10m US UNT; 50m US Walker Creek
10/28/2014 09:42	COMPLETE	NA	383169	Beaver Cr N Branch - Hwy P

Documents

Title	Description	Author	Published	Comments
North Branch Beaver Creek 1 (520400) photo by Andrew	North Branch Beaver Creek 1 (520400) photo by Andrew Hudak	Hudak, Andrew	06/30/2014	

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Title	Description	Author	Published	Comments
Hudak				
North Branch Beaver Creek Picture	North Branch Beaver Creek Picture	Hudak, Andy	01/06/2016	
North Branch Beaver Creek Sediment Trap (520400) photo by Anrew Hudak	North Branch Beaver Creek Sediment Trap (520400) photo by Anrew Hudak	Hudak, Andrew	07/09/2014	
North Branch Beaver Creek TWA 2014 (520400) Fish photo by Andrew Hudak	North Branch Beaver Creek TWA 2014 (520400) Fish photo by Andrew Hudak	Hudak, Andrew	06/30/2014	
North Branch Beaver Creek TWA 2014 (520400) Fish2 photo by Andrew Hudak	North Branch Beaver Creek TWA 2014 (520400) Fish2 photo by Andrew Hudak	Hudak, Andrew	06/30/2014	
North Branch Beaver Creek TWA 2014 (520400) Fish3 photo by Andrew Hudak	North Branch Beaver Creek TWA 2014 (520400) Fish3 photo by Andrew Hudak	Hudak, Andrew	06/30/2014	
North Branch Beaver Creek TWA 2014 (520400) Fish4 photo by Andrew Hudak	North Branch Beaver Creek TWA 2014 (520400) Fish4 photo by Andrew Hudak	Hudak, Andrew	07/09/2014	
North Branch Beaver Creek TWA 2014 (520400) Fish5 photo by Andrew Hudak	North Branch Beaver Creek TWA 2014 (520400) Fish5 photo by Andrew Hudak	Hudak, Andrew	07/09/2014	
North Branch Beaver Creek TWA 2014 (520400) project photo by Andrew Hudak	North Branch Beaver Creek TWA 2014 (520400) project photo by Andrew Hudak	Hudak, Andrew	06/30/2014	
North Branch Beaver Creek TWA 2014 (520400) project photo2 by Andrew Hudak	North Branch Beaver Creek TWA 2014 (520400) project photo2 by Andrew Hudak	Hudak, Andrew	07/09/2014	
North Branch Beaver Creek TWA 2014 (520400) project photo3 by Andrew Hudak	North Branch Beaver Creek TWA 2014 (520400) project photo3 by Andrew Hudak	Hudak, Andrew	07/09/2014	
North Branch Beaver Creek TWA 2014 (520400) project photo4 by Andrew Hudak	North Branch Beaver Creek TWA 2014 (520400) project photo4 by Andrew Hudak	Hudak, Andrew	07/16/2014	
North Branch Beaver Creek TWA 2014 (520400) project photo5 by Andrew Hudak	North Branch Beaver Creek TWA 2014 (520400) project photo5 by Andrew Hudak	Hudak, Andrew	08/20/2014	
North Branch Beaver Creek TWA 2014 (520400) project photo5 by Andrew Hudak	North Branch Beaver Creek TWA 2014 (520400) project photo5 by Andrew Hudak	Hudak, Andy	01/10/2018	
SMALL				
North Branch Beaver Creek TWA WQM Plan 2017 [GB08]	North Branch Beaver Creek TWA Assessments and recommendations for the Watershed.	WDNR	06/09/2017	
North Branch Beaver Creek TWA WQM Plan Presentation 2017 [GB08]	North Branch Beaver Creek TWA WQM Plan 2017 Presentation	WDNR	08/09/2017	
North Branch Beaver Creek Watershed- Final Report	North Branch Beaver Creek Watershed- Final Report	Andrew Hudak	12/15/2015	
North Branch Beaver Creek at 25th Street (520400) photo by Andrew Hudak	North Branch Beaver Creek at 25th Street (520400) photo by Andrew Hudak	Hudak, Andreq	05/13/2017	
North Branch Beaver- Brown Trout	North Branch Beaver- Brown Trout	Hudak, Andy	01/06/2016	
Unnamd Tributary to North Branch Beaver Creek Picture	UNT to North Branch Beaver Creeek Picture	Hudak, Andy	01/06/2016	
Walker Creek (520700) photo by Andrew Hudak	Walker Creek (520700) photo by Andrew Hudak	Hudak, Andrew	06/30/2014	
Walker Creek 2 (520700) photo by Andrew Hudak	Walker Creek 2 (520700) photo by Andrew Hudak	Hudak, Andrew	06/30/2014	
Walker Creek 2-520700-small	Walker Creek 2-520700-small	Hudak, Andy	06/30/2014	

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Title	Description	Author	Published	Comments
Walker Creek 3 (520700) photo by Andrew Hudak	Walker Creek 3 (520700) photo by Andrew Hudak	Hudak, Andrew	06/30/2014	
Walker Creek Picture	Walker Creek Picture	Hudak, Andy	01/06/2016	

Budget

Budget Description: TWA Sauk Creek **Start Date:** 03/17/2014 **End Date:** 12/31/2014

Code	Description	Quantity	Units	Unit Cost	Total Cost	Comments
FTE	FTE Hours	130	Hours	\$0.00	\$0.00	40 hrs in FY14, 90 hrs in FY15
LTE SAL	LTE Salary	51	Hours	\$13.00	\$663.00	All in FY15
LTE FR	LTE Fringe				\$163.76	
LTE IND	LTE Indirect				\$133.69	
LTE TOT	LTE Total Cost				\$960.45	
SUPPLY	Supplies	1		\$120.00	\$120.00	Postage 40 in FY 14, 80 in FY15
EQUIP	Equipment				\$0.00	
MILEAGE	Mileage	1320	Miles	\$0.72	\$950.40	360 mi in FY14, 960 in FY15
MEAL	Meals	22	Meals	\$10.00	\$220.00	3 in FY14, 19 in FY15
LODGE	Lodging				\$0.00	
TRAVEL	Travel Total				\$1,170.40	
BUG	Bug Contracts	8		\$180.00	\$1,440.00	All i FY 15
OTHER	Other Contracts				\$0.00	
USGS	USGS Costs				\$0.00	
TOTAL	Total Cost (excludes SLOH)				\$3,690.85	

Test Code	Description	Test Group	# Planned	Unit Cost	Total Cost
Total SLOH Lab Costs:				\$0.00	
Total Budget:				\$3,690.85	
Combined Budgets:				\$3,690.85	
Combined SLOH:				\$0.00	
Combined Total:				\$3,690.85	

Funding

Organization	Source	Type	Amount	Start Date	End Date
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