

## Wisconsin Department of Natural Resources SWIMS Project Summary

### General Project Information

**Project ID:** North\_TWA\_4\_2015  
**Name:** Soft Maple Hay Creek TWA, Rusk County  
**Type:** Targeted Watershed Approach  
**Subtype:** Effectiveness (BMP, Other)  
**Status:** FINAL\_RPT  
**Start Date:** 01/08/2015  
**End Date:** 12/31/2016  
**Purpose:** The Soft Maple Hay Creek watershed was a priority watershed project in Rusk County. Rusk County Land Conservation Department worked with landowners over approximately a 10 year period to install various non point BMPs throughout the watershed. The BMPs installed and reported to the Department's Non-Point Coordinator include Nurtrient Managment Plans, Diversions, Manure Storage, grassed waterways, and in-stream habiat. We propose to monitor 20 sites on various streams that recieved BMP treatment. There is limited background information available therefore untreated reference reaches for comparative purposes may need to be selected.  
**Objective:** The project will include monitoring streams to determine the effectiveness of BMP practices employed in the watershed. Fish surveys, macroinvertebrate samples, quantitative habitat evaluations and nutrient sampling will be used to gather water quality information. The information gathered may be used for updating waterbody assessment status, watershed planning, direct future monitoring for 303d or ERW/ORW status, making management reccomendations, and updating waterbody and watershed narratives in WATERS.  
**Comments:**  
**Outcome:** Sites to be determined after discussions with LCD regarding placement of BMPs  
 Propose to monitor:  
 20 sites for Fish and Quantitative Habitat summer 2015  
 10 macroinvertebrate sites Fall 2015  
 10 water chemistry sites for total P, total N, ammonia, Nitrate Nitrite, TSS single grab at time of Fish Survey or May-August. Anticipate not needing water chem samples at all fish/habitat sites becuase sites will be different reaches of same stream.  
 data entered into SWIMS or FHDB by Jeff Jackson or Joe Cunningham by December 31 2015.  
**Study Design:** Sites to be determined after discussions with LCD regarding placement of BMPs  
 Propose to monitor:  
 20 sites for Fish and Quantitative Habitat summer 2015  
 10 macroinvertebrate sites Fall 2015  
 10 water chemistry sites for total P, total N, ammonia, Nitrate Nitrite, TSS single grab at time of Fish Survey or May-August. Anticipate not needing water chem samples at all fish/habitat sites becuase sites will be different reaches of same stream.  
 data entered into SWIMS or FHDB by Jeff Jackson or Joe Cunningham by December 31 2015.  
**QA Measures:** Standard WDNR Protocols will be followed

### People

Name	Role	Status	Start Date	End Date	Organization	Comments
AARTILA, THOMAS P	COORDINATOR	ACTIVE	01/08/2015	12/31/2016	Wisconsin DNR	
CUNNINGHAM, JOSEPH L	COORDINATOR	ACTIVE	01/08/2015	12/31/2016	Wisconsin DNR	
Helmuth, Lisa D	COORDINATOR	ACTIVE	11/23/2019		Wisconsin DNR	
JACKSON, JEFFREY L	COORDINATOR	ACTIVE	01/08/2015	12/31/2016	Wisconsin DNR	
Perdzock, Amanda R	COORDINATOR	ACTIVE	04/04/2018		Wisconsin DNR	
Roesler, Craig P	COORDINATOR	COMPLETE	01/08/2015	12/31/2016	Wisconsin DNR	
WENDLER, JEANETTE C	COORDINATOR	ACTIVE	01/08/2015	12/31/2016	Wisconsin DNR	

### Project Statuses

Date	Reported By	Status	Comments
03/16/2020	Lisa Helmuth	Final Report Needed	

### Project Status Detail

Answer Set: DEFAULT

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**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 (use during review period)
8. Reviewer Decision: Is this project recommended for funding?

### Actions

Action	Detailed Description	Start	End Date	Status
Monitor to Evaluate Projects		01/08/2015	12/31/2099	PROPOSED

### Monitoring Stations

Station ID	Name	Comments
553095	Alder Creek - Low Site at Hwy 40 Bridge	
10044315	Alder Creek US Adams Rd	
553091	Becky Creek - Up Site Imalone Rd Bg	
10032171	Becky Creek Upstream Highway 40 near old cattle crossing	
10038169	Becky Creek- Upstream of Edgewood Road	
10043937	Big Soft Maple Creek 35m US Amacoy Lake Rd	
10044235	Big Soft Maple Creek DS Railway Avenue	
10007968	Clear Creek - Clear Creek Hwy H Station # 2	
553090	Clear Creek - Low Site Hwy 40 Bridg	
553097	Devils Creek - Low Site at Hwy 40 Brg	
553096	Devils Creek - Upper Site at Cth O	
10043948	Devils Creek 45m US Fire Lane Rd (upper crossing)	
553098	Hay Creek at Tyman Rd Near Bruce WI	
553102	Little Soft Maple Creek - Upper Site Tyman Rd Bridge	
553158	Little Soft Maple Creek at Kief Rd Near Weyerhauser	

### Assessment Units

WBIC	Segment	Local Name	Official Name
2356600	1	Soft Maple Creek	Soft Maple Creek
2356600	2	Soft Maple Creek	Soft Maple Creek
2356600	3	Soft Maple Creek	Soft Maple Creek
2357300	1	Little Soft Maple Creek	Little Soft Maple Creek
2366600	1	Devils Creek	Devils Creek
2366600	2	Devils Creek	Devils Creek
2366600	3	Devils Creek	Devils Creek
2366700	1	Alder Creek	Alder Creek
2366700	2	Alder Creek	Alder Creek
2367200	1	Hay Creek	Hay Creek

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WBIC	Segment	Local Name	Official Name
2369600	1	Becky Creek	Becky Creek
2369600	2	Becky Creek	Becky Creek
2370100	1	Clear Creek	Clear 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
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### Methods

Method Code	Description
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### Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
07/03/2015 13:00	COMPLETE	AL-1	553095	Alder Creek - Low Site at Hwy 40 Bridge
07/15/2015 10:50	COMPLETE	CL-1	553095	Alder Creek - Low Site at Hwy 40 Bridge
07/22/2015 11:45	COMPLETE	CL-2	10007968	Clear Creek - Clear Creek Hwy H Station # 2
07/27/2015 11:00	COMPLETE	BE-1	10032171	Becky Creek Upstream Highway 40 near old cattle crossing
07/29/2015 14:00	COMPLETE	BE-2	553091	Becky Creek - Up Site Imalone Rd Bg
07/30/2015 11:00	COMPLETE	DE-1	553096	Devils Creek - Upper Site at Cth O
08/05/2015 11:30	COMPLETE	DE-3	553097	Devils Creek - Low Site at Hwy 40 Brg
08/10/2015 11:45	COMPLETE	LSM-1	553158	Little Soft Maple Creek at Kief Rd Near Weyerhauser
08/11/2015 12:00	COMPLETE	BSM-1	10043937	Big Soft Maple Creek 35m US Amacoy Lake Rd
08/14/2015 11:00	COMPLETE	DE-5	10043948	Devils Creek 45m US Fire Lane Rd (upper crossing)
08/14/2015 13:00	COMPLETE	LSM-4	553102	Little Soft Maple Creek - Upper Site Tyman Rd Bridge
09/25/2015	COMPLETE	BSM-1	10044235	Big Soft Maple Creek DS Railway Avenue
09/25/2015	COMPLETE	HC-2	553098	Hay Creek at Tyman Rd Near Bruce WI
10/07/2015	COMPLETE		553097	Devils Creek - Low Site at Hwy 40 Brg
10/07/2015	COMPLETE		553095	Alder Creek - Low Site at Hwy 40 Bridge
10/21/2015	COMPLETE	BSMC-01	10043937	Big Soft Maple Creek 35m US Amacoy Lake Rd
10/21/2015	COMPLETE	LSMC-03	553102	Little Soft Maple Creek - Upper Site Tyman Rd Bridge
10/21/2015	COMPLETE	LSMC-04	553158	Little Soft Maple Creek at Kief Rd Near Weyerhauser
10/21/2015	COMPLETE		553098	Hay Creek at Tyman Rd Near Bruce WI
11/02/2015	COMPLETE		10038169	Becky Creek- Upstream of Edgewood Road
11/02/2015	COMPLETE		553090	Clear Creek - Low Site Hwy 40 Bridg
11/02/2015	COMPLETE		553091	Becky Creek - Up Site Imalone Rd Bg
11/04/2015	COMPLETE		10032171	Becky Creek Upstream Highway 40 near old cattle crossing

### Documents

Title	Description	Author	Published	Comments
Devil's Creek 515079586 Fish Survey Sequence number (2015) NC Validation 10043948	Devil's Creek 515079586 Fish Survey Sequence number (2015) NC Validation 10043948	Kleist, Jon & L Helmuth	07/08/2019	
Devils Creek NC Decision - 553097 No Data found in Fish DB (manual entry in	Devils Creek NC Decision - 553097 No Data found in Fish DB (manual entry in WATERS) confirmation of mainstem.	Nohelmuth, kleist	07/09/2019	

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Title	Description	Author	Published	Comments
WATERS)				
Devils Creek NC Verification NC.Ver_Stn_553096_SSN_2 3724380 2009 survey- Report	NC.Ver_Stn_553096_SSN_23724380_helmuth for kleist -2009survey-Report.pdf		07/09/2019	
NC.Ver.Stn_10029346_clear _creek_Report	NC.Ver.Stn_10029346_clear_creek_R eport	Kosmond for Kleist	08/06/2019	
NC.Ver_Stn_10007967_SSN _515079532_Report	NC.Ver_Stn_10007967_SSN_5150795 32_Report	Kosmond for Kleist	08/06/2019	
NC.Ver_Stn_10007968_SSN _515079394_Report	NC.Ver_Stn_10007968_SSN_5150793 94_Report	Kosmond for Kleist	08/06/2019	
NC.Ver_Stn_10012982_SSN _82206_Report	NC.Ver_Stn_10012982_SSN_82206_ Report	Kosmond for Kleist	08/06/2019	
NC.Ver_Stn_10013004_SSN _82279_Report	NC.Ver_Stn_10013004_SSN_82279_ Report	helmuth for kleist	07/10/2019	
NC.Ver_Stn_10013008_SSN _82288_Report Hay Creek	NC.Ver_Stn_10013008_SSN_82288_ Report	helmuth, kleist	06/26/2019	
NC.Ver_Stn_10022212_SSN _97439_Report	NC.Ver_Stn_10022212_SSN_97439_ Report	helmuth, kleist	06/26/2019	
NC.Ver_Stn_10031618_SSN _68515747_Report	NC.Ver_Stn_10031618_SSN_6851574 7_Report	Kosmond for Kleist	08/06/2019	
NC.Ver_Stn_10037837_SSN _515078935_Report	NC.Ver_Stn_10037837_SSN_5150789 35_Report	Kleist, Jon	08/02/2019	
NC.Ver_Stn_10044315_SSN _515079450_Report 2019	NC.Ver_Stn_10044315_SSN_5150794 50_Report 2019	test - delete	09/04/2019	
Soft Maple Hay Creek Targeted Watershed Assessment: A Water Quality Report to Protect Wisconsin Watersheds	Assessments and recommendations for the Watershed. Soft Maple Hay Creek Targeted Watershed Assessment: A Water Quality Report to Protect Wisconsin Watersheds 2019	Kliest, Jon	12/01/2019	
natural communityVer_Stn_1001300 7_SSN_82286_Report	Station: 151077, View in WATERS: Click Here Name: Unnamed Tributary To Devils Creek South Of Hardwood Trail Request: Modeled NC Not Verified (Alt 9 of 9) Status: NC Change Needs Review WBIC: 2368200 Water: Unnamed NC used: COLDWATER Modeled NC: COOL-COLD HEADWATER Comments: Modeled natural community not valid based on fish community tests and fish database tool. Best alternative natural community is recommended based on passing 9 of 9 tests. This decision should be revi	helmuth, kleist	06/26/2019	

<b>Budget</b>		
<b>Budget Description:</b>	319-project funded Soft Maple Hay Creek Watershed 1/1/2015-6/30/2105	<b>Start Date:</b> 01/30/2015 <b>End Date:</b> 06/30/2015

Code	Description	Quantity	Units	Unit Cost	Total Cost	Comments
FTE	FTE Hours	80	Hours	\$0.00	\$0.00	
LTE SAL	LTE Salary	104	Hours	\$13.00	\$1,352.00	
LTE FR	LTE Fringe				\$333.94	
LTE IND	LTE Indirect				\$272.62	

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Code	Description	Quantity	Units	Unit Cost	Total Cost	Comments
LTE TOT	LTE Total Cost				\$1,958.56	
SUPPLY	Supplies	1		\$100.00	\$100.00	Sample Shipment/Ice
EQUIP	Equipment				\$0.00	
MILEAGE	Mileage	1000	Miles	\$0.72	\$720.00	
MEAL	Meals	12	Meals	\$9.00	\$108.00	
LODGE	Lodging				\$0.00	
TRAVEL	Travel Total				\$828.00	
BUG	Bug Contracts				\$0.00	
OTHER	Other Contracts				\$0.00	
USGS	USGS Costs				\$0.00	
TOTAL	Total Cost (excludes SLOH)				\$2,886.56	

Test Code	Description	Test Group	# Planned	Unit Cost	Total Cost
I440NLD	AMMONIA (AS N), DISS (EPA 350.1)	INORGANIC CHEMISTRY	2	\$25.89	\$51.78
I460GLT	NITRATE + NITRITE (AS N) (EPA 353.2)	INORGANIC CHEMISTRY	2	\$27.00	\$54.00
I466ALT	TOTAL NITROGEN(ASN)(SM4500-N)	INORGANIC CHEMISTRY	2	\$26.00	\$52.00
I520PLT	TOTAL PHOSPHORUS (AS P) (EPA 365.1)	INORGANIC CHEMISTRY	2	\$23.60	\$47.20
I650JLT	SUSPENDED SOLIDS (EPA METHOD 160.2)	INORGANIC CHEMISTRY	2	\$18.80	\$37.60
I720BLT	FIELD TESTS	INORGANIC CHEMISTRY	2	\$6.36	\$12.72

**Total SLOH Lab Costs:** \$255.30

**Total Budget:** \$3,141.86

**Budget Description:** 319-project funded Soft Maple Hay Creek Watershed  
7/1/2015-12/31/2105 **Start Date:** 07/01/2015 **End Date:** 12/31/2015

Code	Description	Quantity	Units	Unit Cost	Total Cost	Comments
FTE	FTE Hours	352	Hours	\$0.00	\$0.00	
LTE SAL	LTE Salary	296	Hours	\$13.00	\$3,848.00	
LTE FR	LTE Fringe				\$950.46	
LTE IND	LTE Indirect				\$775.91	
LTE TOT	LTE Total Cost				\$5,574.37	
SUPPLY	Supplies	1		\$150.00	\$150.00	Shipping, ice
EQUIP	Equipment				\$0.00	
MILEAGE	Mileage	6800	Miles	\$0.72	\$4,896.00	
MEAL	Meals	60	Meals	\$9.00	\$540.00	
LODGE	Lodging				\$0.00	
TRAVEL	Travel Total				\$5,436.00	
BUG	Bug Contracts	10		\$185.00	\$1,850.00	
OTHER	Other Contracts				\$0.00	
USGS	USGS Costs				\$0.00	
TOTAL	Total Cost (excludes SLOH)				\$13,010.37	

Test Code	Description	Test Group	# Planned	Unit Cost	Total Cost
I440NLD	AMMONIA (AS N), DISS (EPA 350.1)	INORGANIC CHEMISTRY	8	\$25.89	\$207.12
I460GLT	NITRATE + NITRITE (AS N) (EPA 353.2)	INORGANIC CHEMISTRY	8	\$27.00	\$216.00
I466ALT	TOTAL NITROGEN(ASN)(SM4500-N)	INORGANIC CHEMISTRY	8	\$26.00	\$208.00
I520PLT	TOTAL PHOSPHORUS (AS P) (EPA 365.1)	INORGANIC CHEMISTRY	8	\$23.60	\$188.80

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Test Code	Description	Test Group	# Planned	Unit Cost	Total Cost
I650JLT	SUSPENDED SOLIDS (EPA METHOD 160.2)	INORGANIC CHEMISTRY	8	\$18.80	\$150.40
I720BLT	FIELD TESTS	INORGANIC CHEMISTRY	8	\$6.36	\$50.88

**Total SLOH Lab Costs:** \$1,021.20

**Total Budget:** \$14,031.57

**Combined Budgets:** \$15,896.93

**Combined SLOH:** \$1,276.50

**Combined Total:** \$17,173.43

### Funding

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