

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: North_TWA_1_2015

Name: Rocky Run Creek East Fork TWA

Type: Targeted Watershed Approach

Subtype: Protection (Healthy or Vulnerable)

Status: COMPLETE

Start Date: 1/29/2015

End Date: 5/1/2016

Purpose: The Rocky Run Creek East Fork of the Chippewa River and Muskellunge Creek east Fork of the Chippewa River HUC12 watersheds are listed as healthy but vulnerable watersheds. There is limited biological, physical, and chemical data available in these watersheds. This project involved collecting baseline data in these watersheds. Two HUC12 watersheds were selected because the area appears to have limited access and site selection may be limited.

Objective: The project objective was to collect baseline water quality data in two HUC12 watersheds. The work includes monitoring waters for the purposes of updating waterbody assessment status (i.e. future monitoring for 303(d) or ERW/ORW status), for making management recommendation, updating water and watershed narratives in WATERS and for watershed planning. The Monitoring stations to be determined after field reconnaissance.

Comments:

Outcome: Possible future monitoring for 303(d) or ERW/ORW status, use of information for making management recommendations, updating waterbody and watershed narratives in WATERS and use in watershed planning. See Study Design for more detailed project description. Sampling was completed by November 30, 2015. Data entered into SWIMS or FHDB by 12/31/2015. Final Report by 5/1/2016.

Study Design: The study design involved conducting fish, qualitative habitat surveys and collect bug samples at 10 stream sites within the Rocky Run Creek East Fork of the Chippewa River and Muskellunge Creek East Fork of the Chippewa River Watersheds. Water chemistry samples will be collected monthly from May -October for nutrients and TSS as close as possible to the pour points (confluence with the East Fork Chippewa River) of Rocky Run and Muskellunge Creeks. A single nutrient and TSS water chemistry sample will be taken during the summer months at 8 fish survey sites prior to conducting the survey. Sites TBD. Site access may result in changes to sampling locations, may need to sample the East Fork of the Chippewa river instead of Muskellunge Creek. HUC12 70500010208 & 70500010207.

QA Measures: Standard DNR Protocols were followed.

People

Name	Role	Status	Start Date	End Date	Organization	Comments
AARTILA, THOMAS P	COORDINATOR	COMPLETE	1/29/2015	2/27/2024	Wisconsin DNR	
CUNNINGHAM, JOSEPH L	COORDINATOR	ACTIVE	1/8/2015	12/31/2015	Wisconsin DNR	
Helmuth, Lisa D	COORDINATOR	INACTIVE	11/23/2019	12/28/2022	Wisconsin DNR	
JACKSON, JEFFREY L	COORDINATOR	ACTIVE	1/8/2015	12/31/2015	Wisconsin DNR	
WENDLER, JEANETTE C	COORDINATOR	ACTIVE	1/8/2015	12/31/2015	Wisconsin DNR	

Project Statuses

Date	Reported By	Status	Comments
1/29/2015	JON KLEIST	Proposed	
12/28/2016	JEFFREY JACKSON	Progress: 50-75% Complete	All field work has been completed. Data needs to be analyzed and report needs to be written. Project to be completed by 6/30/2017.

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Project Status Detail

Answer Set: DEFAULT

Question	Answer
1. Number of Sample Sites (Enter the station IDs if you know them).	12
2. Number of Sample Events (Indicate how many trips into the field you anticipate for this project).	14
3. Proposed Dates for Sample Collection	All samples were completed by November.
4. List applicable databases and who will enter data?	Data was entered by Joe Cunningham and Jeff Jackson
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?	Yes

Actions				
Action	Detailed Description	Start Date	End Date	Status
Monitor or Assess Watershed Condition	The Rocky Run Creek East Fork of the Chippewa River and Muskellunge Creek east Fork of the Chippewa River HUC 12 watersheds are listed as healthy but vulnerable watersheds.	1/29/2015	12/31/2099	COMPLETE

Monitoring Stations		
Station ID	Name	Comments
10044541	Bay Spring Creek DS of Bay Spring Pond	
10044621	Dorns Creek 575m US Confluence of E. Fork Chippewa River	
10044521	Dorns Creek US Hank Bucheger Rd	
10029310	EAST FORK CHIPPEWA RIVER 55M UPSTREAM OF BAY RD.	
10017132	East Fork Chippewa River - Near Canoe Access Site Ch4	
10031014	East Fork Chippewa River at Bay Rd.	
10043631	Muskellunge Creek DS Forest Rd	
10044537	Rocky Run Cr 1280m DS of Right of Way Rd	
10044542	Unnamed Trib to Bay Spring Cr 20m US Confluence	
10044550	Unnamed Trib to East Fork Chippewa River 10m US of Kenyon Road (2405400)	
10044549	Unnamed Trib to East Fork Chippewa River 110m DS Kenyon Rd	
10044711	Unnamed Trib to Rocky Run Cr 130m DS at Bear Lake Rd	
10044539	Unnamed Trib to Rocky Run Cr. DS Right of Way Road (2405200)	

Assessment Units

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WBIC	Segment	Local Name	Official Name
2399800	5	East Fork Chippewa River	East Fork Chippewa River
2399800	7	East Fork Chippewa River	East Fork Chippewa River
2404900	1	Rocky Run	Rocky Run
2405000	1	Bay Spring Creek	Unnamed
2405200	1	Local Water	Unnamed
2405400	1	Local Water	Unnamed
2405800	1	Muskellunge Creek	Muskellunge Creek
2407600	1	Dorns Creek	Dorns Creek
2407600	2	Dorns Creek	Dorns Creek
2407600	3	Dorns Creek	Dorns Creek

Lab Account Codes

Account Code	Description	Start Date	End Date
WQ002	TARGETED WATERSHED ASSESSMENTS	3/26/2014	5/1/2016

Forms

Form Code	Form Name
MACROINVERT_BASIC	Macroinvertebrate Survey Basic Form
QUAL_FISH_HAB_LESS10	Qualitative Fish Habitat Less Than 10 M
STREAM_CHAR	Stream Characteristics Form (Qualitative Habitat) (form 3600-183 Back)
WADEABLE_MACRO_FIELD	Wadeable Macroinvertebrate Field & Habitat Data

Methods

Method Code	Method Description
AIS_STREAMS_2015	AIS Monitoring in Streams 2015
ELECTROFISHING: BACKPACK SHOCKER	Electrofishing: Backpack Shocker
ELECTROFISHING: STREAM SHOCKER	Electrofishing: Stream Shocker
FISH SURVEY BASELINE PROTOCOLS	Fish Survey Baseline Protocols 2004
KICKNET SAMPLING - MACROINVERTEBRATE DATA COLLECTION	Macroinvertebrate Kicknet Data Collection 2000
GRAB SAMPLE	Water Grab Sample Guidelines and Procedures 2005

Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
5/29/2015 10:30	COMPLETE	MK-03	10043631	Muskellunge Creek DS Forest Rd

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5/29/2015 11:30	COMPLETE	CH-01	10017132	East Fork Chippewa River - Near Canoe Access Site Ch4
6/26/2015 13:45	COMPLETE	MK-03	10043631	Muskellunge Creek DS Forest Rd
6/26/2015 14:20	COMPLETE	CH-01	10017132	East Fork Chippewa River - Near Canoe Access Site Ch4
7/16/2015 13:30	CANCELLED		10043631	Muskellunge Creek DS Forest Rd
7/30/2015	COMPLETE	MK-03	10043631	Muskellunge Creek DS Forest Rd
7/30/2015 13:50	COMPLETE	CH-01	10017132	East Fork Chippewa River - Near Canoe Access Site Ch4
8/27/2015 11:00	COMPLETE	MC-03	10043631	Muskellunge Creek DS Forest Rd
8/27/2015 12:00	COMPLETE	CH-01	10017132	East Fork Chippewa River - Near Canoe Access Site Ch4
9/21/2015 11:50	COMPLETE	MC-03	10043631	Muskellunge Creek DS Forest Rd
9/21/2015 12:40	COMPLETE	CH-01	10017132	East Fork Chippewa River - Near Canoe Access Site Ch4
10/27/2015	COMPLETE		10031014	East Fork Chippewa River at Bay Rd.
10/27/2015	COMPLETE		10029310	EAST FORK CHIPPEWA RIVER 55M UPSTREAM OF BAY RD.
10/27/2015	COMPLETE		10044539	Unnamed Trib to Rocky Run Cr. DS Right of Way Road (2405200)
10/27/2015 9:20	COMPLETE	CR-01	10017132	East Fork Chippewa River - Near Canoe Access Site Ch4
10/27/2015 9:50	COMPLETE	MC-03	10043631	Muskellunge Creek DS Forest Rd
10/28/2015	COMPLETE		10044621	Dorns Creek 575m US Confluence of E. Fork Chippewa River
10/28/2015	COMPLETE		10044537	Rocky Run Cr 1280m DS of Right of Way Rd
10/28/2015	COMPLETE		10044549	Unnamed Trib to East Fork Chippewa River 110m DS Kenyon Rd
10/28/2015	COMPLETE		10044542	Unnamed Trib to Bay Spring Cr 20m US Confluence
10/28/2015	COMPLETE		10044541	Bay Spring Creek DS of Bay Spring Pond
10/28/2015	COMPLETE		10043631	Muskellunge Creek DS Forest Rd

Documents

Title	Description	Author	Published	Comments
Bay Spring Creek downstream of Bay Spring Pond [2405000]	Bay Spring Creek downstream of Bay Spring Pond [2405000]	Jackson, Jeff	1/1/2015	
Cunningham at Rocky Run [2404900]	Cunningham at Rocky Run [2404900]	Jackson, Jeff	1/1/2015	
Dorns Creek, Natural Community Validation 2017	Dorns Creek, Natural Community Validation 2017		7/30/2017	
East Fork Chippewa River [2399800]	East Fork Chippewa River [2399800]	Jackson, Jeff	1/1/2015	
East Fork Chippewa River at Canoe Launch [2399800]	East Fork Chippewa River at Canoe Launch [2399800]	Jackson, Jeff	1/1/2015	
East Fork Chippewa River at chemistry site [2399800]	East Fork Chippewa River at chemistry site [2399800]	Jackson, Jeff	1/1/2015	

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East Fork Chippewa River looking downstream at Bay Road [2399800]	East Fork Chippewa River looking downstream at Bay Road [2399800]	Jackson, Jeff	1/1/2015	
East Fork Chippewa River looking upstream at Bay Road [2399800]	East Fork Chippewa River looking upstream at Bay Road [2399800]	Jackson, Jeff	1/1/2015	
Kenyon Springs Pond non-summer [2405700]	Kenyon Springs Pond non-summer [2405700]	Jackson, Jeff	1/1/2015	
Kenyon Springs Pond with green vegetation [2405700]	Kenyon Springs Pond with green vegetation [2405700]		1/1/2015	
Kenyon springs photo - SMALL	Kenyon springs photo - SMALL	Jackson, Jeff	8/20/2015	
Muskellunge Creek downstream at Forest Road [2405800]	Muskellunge Creek downstream at Forest Road [2405800]	Jackson, Jeff	1/1/2015	
Muskellunge Creek upstream at Forest Road [2405800]	Muskellunge Creek upstream at Forest Road [2405800]	Jackson, Jeff	1/1/2015	
Rocky Run Adjacent to Right of Way Road [2404900]	Rocky Run Adjacent to Right of Way Road [2404900]	Jackson, Jeff	1/1/2015	
Rocky Run At Right of Way Road [2404900]	Rocky Run At Right of Way Road [2404900]	Jackson, Jeff	1/1/2015	
Rocky Run East Fork Chippewa_Muskellunge Creek WQM Plan 2017 [UC21]	Assessments and recommendations for the Watershed. Rocky Run East Fork Chippewa_Muskellunge Creek WQM Plan 2017	Jackson, Jeffrey	7/28/2017	
Shoreline of East Fork Chippewa River at Bay Road [2399800]	Shoreline of East Fork Chippewa River at Bay Road [2399800]	Jackson, Jeff	1/1/2015	
White Cedar trees at Spring Pond	White Cedar trees at Spring Pond	Jackson, Jeff	1/1/2016	

Budget

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Budget Description: Rocky Run Creek East Fork of the Chippewa River and Muskellunge Creek East Fork of the Chippewa River Watershed Assessment Budget 1	Start Date: 1/29/2015	End Date: 6/30/2015
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Code	Description	Quantity	Units	Unit Cost	Total Cost	Comments
FTE	FTE Hours	32	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	1		\$50.00	\$50.00	Sample Shipment/Ice
EQUIP	Equipment				\$0.00	
MILEAGE	Mileage	300	Miles	\$0.72	\$216.00	
MEAL	Meals	10	Meals	\$9.00	\$90.00	
LODGE	Lodging				\$0.00	
TRAVEL	Travel Total				\$306.00	
BUG	Bug Contracts				\$0.00	
OTHER	Other Contracts				\$0.00	
USGS	USGS Costs				\$0.00	
TOTAL	Total Cost (excludes SLOH)				\$1,109.29	

Test Code	Description	Test Group	# Planned	Unit Cost	Total Cost
I440LLD	AMMONIA (AS N), DIS, LOW LEVEL	INORGANIC CHEMISTRY	2	\$25.89	\$51.78
I460GLD	NITRATE + NITRITE	INORGANIC CHEMISTRY	2	\$27.89	\$55.78
I466ALT	TOTAL NITROGEN(ASN)(SM4500-N)	INORGANIC CHEMISTRY	2	\$26.00	\$52.00
I520CLT	TOTAL PHOSPHORUS EPA 365.1	INORGANIC CHEMISTRY	2	\$26.76	\$53.52
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 WSLH Lab Costs: \$263.40
Total Budget: \$1,372.69

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Budget Description: Rocky Run Creek East Fork of the Chippewa River and Muskellunge Creek East Fork of the Chippewa River Watershed Assessment Budget	Start Date: 7/1/2015	End Date: 12/31/2015
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Code	Description	Quantity	Units	Unit Cost	Total Cost	Comments
FTE	FTE Hours	104	Hours	\$0.00	\$0.00	
LTE SAL	LTE Salary	144	Hours	\$13.00	\$1,872.00	
LTE FR	LTE Fringe				\$462.38	
LTE IND	LTE Indirect				\$377.47	
LTE TOT	LTE Total Cost				\$2,711.85	
SUPPLY	Supplies	1		\$250.00	\$250.00	Sample Shipment/Ice
EQUIP	Equipment				\$0.00	
MILEAGE	Mileage	1200	Miles	\$0.72	\$864.00	
MEAL	Meals	20	Meals	\$9.00	\$180.00	
LODGE	Lodging				\$0.00	
TRAVEL	Travel Total				\$1,044.00	
BUG	Bug Contracts	10		\$185.00	\$1,850.00	
OTHER	Other Contracts				\$0.00	
USGS	USGS Costs				\$0.00	
TOTAL	Total Cost (excludes SLOH)				\$5,855.85	

Test Code	Description	Test Group	# Planned	Unit Cost	Total Cost
I440NLD	AMMONIA (AS N), DISS (EPA 350.1)	INORGANIC CHEMISTRY	18	\$23.54	\$423.72
I460GLT	NITRATE + NITRITE (AS N) (EPA 353.2)	INORGANIC CHEMISTRY	18	\$27.89	\$502.02
I466ALT	TOTAL NITROGEN(ASN)(SM4500-N)	INORGANIC CHEMISTRY	18	\$26.00	\$468.00
I520PLT	TOTAL PHOSPHORUS (AS P) (EPA 365.1)	INORGANIC CHEMISTRY	18	\$23.60	\$424.80
I650JLT	SUSPENDED SOLIDS (EPA METHOD 160.2)	INORGANIC CHEMISTRY	18	\$18.80	\$338.40
I720BLT	FIELD TESTS	INORGANIC CHEMISTRY	18	\$6.36	\$114.48

Total WSLH Lab Costs: \$2,271.42

Total Budget: \$8,127.27

Combined Budgets: \$6,965.15

Combined WSLH: \$2,534.82

Combined Total: \$9,499.97

Funding					
Organization	Source	Type	Amount	Start Date	End Date