Wisconsin Department of Natural Resources
SWIMS Project Summary

General Project Information

Project ID: WCR_07_CMP14
Name: WCR - Big Creek-Douglas Creek (HUC 10) and Rathbone Creek-Soper Creek (HUC 12) Watershed Assessment - WCR
Type: Competitive Projects
Subtype: Watershed Plan Monitoring
Status: ACTIVE
Start Date: 01/01/2014
End Date: 12/31/2014

Purpose: Western District proposes to conduct HUC 10 watershed assessment monitoring in the Big and Douglas Creeks watershed located in Jackson, Monroe, Trempealeau and La Crosse counties. For this project we will be using the watershed delineation designated as BR03 - Big & Douglas Creeks Watershed in the Black-Buffalo-Trempealeau Basin Report. Please note that the BR03 watershed delineation does not match the HUC 10 watershed delineation boundaries found on the Surface Water Data Viewer.

The BR03 watershed contains six HUC 12 watersheds. The six HUC 12 watersheds to be assessed in this project include Rathbone-Soper, Spencer-Big, Roaring-Black, Douglas, Davis-Black and Sand. Of these six watersheds, two were identified for Targeted Watershed Assessment (TWA). The Sand Creek HUC 12 watershed was identified as healthy but threatened designated for protection. The Rathbone and Soper Creeks HUC 12 watershed was identified for evaluation due to stressed biological surveys. The Rathbone - Soper HUC 12 watershed was selected as one of the TWA's for the Western District to monitor in the 2014 field season. However, funding this expanded project would essentially allow monitoring activities to be completed in another TWA located in the HUC 10 watershed. For lack of better words, more bang for the buck.

The monitoring activities will be completed by Western District staff; including but not limited to, Kurt Rasmussen, Mark Hazuga, Scott Provost, Matt Jacobson and Adam Scheunemann. This project is geographically close to Mark Hazuga's proposed HUC 10 project on Beaver Creek and would potentially allow us partner up, share resources and personnel to complete these projects as cost effectively as possible.

The specific streams to be sampled and sample locations are "to be determined" based upon available existing data and access.

Data collection will include fish and qualitative habitat surveys and macroinvertebrate samples. Physical and chemical stream characteristics will also be documented during each visit. Continuous temperature loggers will be deployed where warranted.

The field work component of this project will be completed between May and November of 2014. Database updates and reports will be generated the following year when all the data becomes available.

Objective: The objective of this project is to collect information and assess the Big and Douglas Creeks HUC 10 watershed. The data will be used to evaluate and document current stream conditions and potential impairments.

Fish and qualitative habitat surveys and macroinvertebrate samples will be collected at 20 sites throughout the Spencer-Big, Roaring-Black, Douglas, Davis-Black and Sand HUC 12 subwatersheds within the Big and Douglas Creeks HUC 10 watershed. The same monitoring will take place at eight sites in the Rathbone-Soper HUC 12 subwatershed using TWA funds. Growing season TP sampling (monthly May through Octoboer) will be completed at the pour point of the five HUC 12 watersheds.

All of the data collected for this project and the historic data will be assessed to evaluate the health of the watershed. This data will also be used to identify potential impairments throughout the watershed. In addition, the data will be compiled and used to update the watershed on the WATERS database for EPA reporting. Specifically 80 LTE hours are requested to complete the WATERs update for the Cunningham and ONeil Creek Watershed. Data for this watershed was collected in 2013.

Comments: New

Outcome: Fish and qualitative habitat surveys and macroinvertebrate samples will be collected at 20 sites throughout the Spencer-Big, Roaring-Black, Douglas, Davis-Black and Sand HUC 12 subwatersheds within the Big and Douglas Creeks HUC 10 watershed. Continuous temperature loggers will be deployed where warranted.

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For FY14 this project will have 2 sampling events (1) recon/temp loggers and (2) fish and habitat. These sampling events would result in a total of four trips into the field in FY14.

For FY15 this project will also have 2 sampling events (1) finishing the fish and habitat surveys and (2) macroinvertebrate sampling/temp logger recovery. These sampling events would result in a total of eight trips into the field in FY15.

Recon and temp loggers deployment will start in late May or early June and macroinvertebrate samples will be collected in October. Fish and habitat surveys will be conducted throughout the months of June through August.

HUC 10 watershed assessment and TWA monitoring will be completed in the Big and Douglas Creeks watershed. Data will be used to evaluate and document current stream conditions and potential impairments. A final report will be generated and the WATERS database will be updated for EPA reporting.

Study Design:

QA Measures:

People

Name	Role	Status	Start Date	End Date	Organization	Comments
BRUHN, CAMILLE M	TEAM_MEMBER	ACTIVE	09/13/2016		Wisconsin DNR	
Everson, Jay	TEAM_MEMBER	ACTIVE	02/03/2015			
FARROW, DAVID J	TEAM_MEMBER	ACTIVE	06/05/2014		Wisconsin DNR	
HAZUGA, MARK J	COORDINATOR	ACTIVE	01/01/2014	12/31/2014	Wisconsin DNR	
HELSEL, DANIEL R	COORDINATOR	ACTIVE	01/01/2014	12/31/2014	Wisconsin DNR	
JACOBSON, MATTHEW J	COORDINATOR	ACTIVE	01/01/2014	12/31/2014	Wisconsin DNR	
LALIBERTE, PAUL J	SUPERVISOR	ACTIVE	01/01/2014	12/31/2014	Wisconsin DNR	
RASMUSSEN, KURT A	PROJECT_LEAD	ACTIVE	01/01/2014	12/31/2014	Wisconsin DNR	

Project Statuses

Date	Reported By	Status	Comments
12/18/2013	KURT RASMUSSEN	Proposed	
12/23/2014	KURT RASMUSSEN	Progress: 25-50% Complete	Field work complete and data entry started.

Project Status Detail

Answer Set: DEFAULT

Question	Answer
1. Number of Sample Sites (Enter the station IDs if you know them).	20 sites for fish, qualitative habitat, macroinvertebrates and continuous temperature monitoring
2. Number of Sample Events (Indicate how many trips into the field you anticipate for this project).	Recon/temp loggers = 2 trips Fish/habitat = 7 trips Bugs/temp loggers = 3 trips
3. Proposed Dates for Sample Collection	Recon/temp loggers = May Fish/habitat = June through August

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Question	Answer
	Bugs/temp loggers = October
4. List applicable databases and who will enter data?	WD staff will enter data into FH database and UWSP will upload it in SWIMS. WATERS database will be updated after all data becomes available.
5. Did you receive competitive projects funding in the previous year?	Yes
6. If yes to question 5, did you complete the projects including data entry and reports as necessary? If not, why not?	Yes
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

Monitoring Stations

Station ID	Name	Comments
423224	Big Creek at Acorn Ave	
10014028	Creek 2-1(Burr Oak Creek)Station 2-1958-Nw 1/4 Nw 1/4 S12-Starts At Farm Road Bridge Crossing.	
10029578	Davis Creek St. at Stetzer Rd	
10020580	Douglas Creek at Sth 54	
10032012	Douglas Creek at Vinger Road	
10015333	Mill Creek - Sandburg Rd Xing	
10042760	North Branch Douglas Creek at West Bolger Rd	
10030734	Printz Creek at Acorn Ave	
10029407	Roaring Creek at CTH H	
10029406	Roaring Creek at Cutoff Road	
10034988	Sand Cr north DNR parking lot down hill trail to water	
10008574	Sand Creek At Hwy 108	
10008571	Sand Creek Station Sommers Rd.	
10020516	Spencer Creek St. 2 Canary Ave. Crossing	
10020519	Spencer Creek St. 5 Hwy 71 Crossing	
10043079	Stillwell Creek 350 m US of Yard Road	
10042759	Unnamed Trib (1690100) to Black R at STH 54	
10021699	White Creek Upstream Cth N	
10015345	Wilson Creek - Hwy 54	
10021698	Woodward Creek Downstream Selmer Road (Farthest Downstream Crossing)	

Assessment Units

WBIC	Segment	Local Name	Official Name
1662600	1	Stillwell Creek	Stillwell Creek
1688300	1	Wilson Creek	Wilson Creek
1688500	1	Mill Creek	Mill Creek
1689100	1	Creek 2-1 (T18N, R6W)	Unnamed
1689300	1	Davis Creek	Davis Creek

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WBIC	Segment	Local Name	Official Name
1689700	1	Sand Creek	Sand Creek
1690100	1	Local Water	Unnamed
1691300	2	Douglas Creek	Douglas Creek
1691300	3	Douglas Creek	Douglas Creek
1691700	1	White Creek	White Creek
1691900	1	Woodward Creek	Woodward Creek
1692100	1	30-15 Cr - North Branch Shake Hollow Creek	North Branch Douglas Creek
1692900	1	Big Creek	Big Creek
1692900	3	Big Creek	Big Creek
1693100	1	Printz Creek	Printz Creek
1693300	1	Spencer Creek	Spencer Creek
1693300	2	Spencer Creek	Spencer Creek
1695200	1	Roaring Creek	Roaring Creek

Lab Account Codes

Account Code	Description	Start Date	End Date
WQ001	WATERSHED PLAN MONITORING	03/26/2014	12/31/2014

Forms

Form Code	Form Name

Methods

Method Code	Description

Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
05/11/2014 08:30	COMPLETE	BC1	423224	Big Creek at Acorn Ave
05/19/2014 11:30	COMPLETE	NA	10029406	Roaring Creek at Cutoff Road
05/19/2014 12:00	COMPLETE	NA	10020580	Douglas Creek at Sth 54
05/27/2014 11:00	COMPLETE	NA	10029578	Davis Creek St. at Stetzer Rd
05/27/2014 11:15	COMPLETE	NA	10008574	Sand Creek At Hwy 108
06/09/2014 18:00	COMPLETE	BC1	423224	Big Creek at Acorn Ave
06/23/2014 14:00	COMPLETE	NA	10008574	Sand Creek At Hwy 108
06/23/2014 14:15	COMPLETE	NA	10029578	Davis Creek St. at Stetzer Rd
06/25/2014 08:30	COMPLETE	NA	10020580	Douglas Creek at Sth 54
06/25/2014 09:50	COMPLETE	NA	10029406	Roaring Creek at Cutoff Road
07/16/2014 07:10	COMPLETE	BC1	423224	Big Creek at Acorn Ave
07/22/2014 15:40	COMPLETE	NA	10029406	Roaring Creek at Cutoff Road
07/22/2014 16:00	COMPLETE	NA	10020580	Douglas Creek at Sth 54
07/29/2014 11:00	COMPLETE	NA	10029578	Davis Creek St. at Stetzer Rd
07/29/2014 11:00	COMPLETE	NA	10029578	Davis Creek St. at Stetzer Rd
07/29/2014 11:00	COMPLETE	NA	10029578	Davis Creek St. at Stetzer Rd
07/29/2014 11:30	COMPLETE	NA	10008574	Sand Creek At Hwy 108
08/05/2014 16:30	COMPLETE	BC1	423224	Big Creek at Acorn Ave
08/24/2014 08:15	COMPLETE	NA	10029406	Roaring Creek at Cutoff Road
08/24/2014 08:30	COMPLETE	NA	10020580	Douglas Creek at Sth 54
08/27/2014 16:00	COMPLETE	NA	10029578	Davis Creek St. at Stetzer Rd

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Start Date	Status	Field ID	Station ID	Station Name
08/27/2014 16:15	COMPLETE	NA	10008574	Sand Creek At Hwy 108
09/16/2014 16:00	COMPLETE	BCI	423224	Big Creek at Acorn Ave
09/25/2014 08:15	COMPLETE	NA	10020580	Douglas Creek at Sth 54
09/25/2014 08:30	COMPLETE	NA	10029406	Roaring Creek at Cutoff Road
09/28/2014 13:45	COMPLETE	NA	10029578	Davis Creek St. at Stetzer Rd
09/28/2014 14:00	COMPLETE	NA	10008574	Sand Creek At Hwy 108
10/21/2014	COMPLETE		10043079	Stillwell Creek 350 m US of Yard Road
10/21/2014 12:30	COMPLETE	BC1	423224	Big Creek at Acorn Ave
10/22/2014 11:30	COMPLETE	NA	10020580	Douglas Creek at Sth 54
10/22/2014 11:45	COMPLETE	NA	10029406	Roaring Creek at Cutoff Road
10/27/2014 16:45	COMPLETE	DAVIS CREEK	10029578	Davis Creek St. at Stetzer Rd
10/27/2014 17:00	COMPLETE	SAND CREEK	10008574	Sand Creek At Hwy 108
10/28/2014	COMPLETE		423224	Big Creek at Acorn Ave
10/28/2014	COMPLETE		10030734	Printz Creek at Acorn Ave
10/28/2014	COMPLETE		10021698	Woodward Creek Downstream Selmer Road (Farthest Downstream Crossing)
10/28/2014	COMPLETE		10021699	White Creek Upstream Cth N
10/28/2014	COMPLETE		10020516	Spencer Creek St. 2 Canary Ave. Crossing
10/28/2014	COMPLETE		10029406	Roaring Creek at Cutoff Road
10/28/2014	COMPLETE		10029407	Roaring Creek at CTH H
10/28/2014	COMPLETE		10042760	North Branch Douglas Creek at West Bolger Rd
10/28/2014	COMPLETE		10032012	Douglas Creek at Vinger Road
10/28/2014	COMPLETE		10020580	Douglas Creek at Sth 54
10/29/2014	COMPLETE		10034988	Sand Cr north DNR parking lot down hill trail to water
10/29/2014	COMPLETE		10042759	Unnamed Trib (1690100) to Black R at STH 54
10/29/2014	COMPLETE		10020519	Spencer Creek St. 5 Hwy 71 Crossing
10/29/2014	COMPLETE		10014028	Creek 2-1(Burr Oak Creek)Station 2-1958-Nw 1/4 Nw 1/4 S12-Starts At Farm Road Bridge Crossing.
10/29/2014	COMPLETE		10029578	Davis Creek St. at Stetzer Rd
10/29/2014	COMPLETE		10015333	Mill Creek - Sandburg Rd Xing
10/29/2014	COMPLETE		10008571	Sand Creek Station Sommers Rd.
10/29/2014	COMPLETE		10008574	Sand Creek At Hwy 108
10/29/2014	COMPLETE		10015345	Wilson Creek - Hwy 54

Documents

Title	Description	Author	Published	Comments
2014 Total Phosphorus Monitoring Report - Big Creek at Acorn Avenue	Watershed assessment monitoring was conducted for the Big and Douglas Creeks watershed located in Jackson, Monroe, Trempealeau and La Crosse counties. Field data will be used to evaluate and document current stream conditions and be analyzed in conjunction with the historic data to evaluate the overall health of the watershed. Growing season samples that were analyzed for total phosphorus were collected by DNR stream biologists and WAV volunteers and will be used	Lindsey Albright	02/03/2015	
2014 Total Phosphorus	Watershed assessment monitoring	Lindsey Albright	02/03/2015	

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Title	Description	Author	Published	Comments
Monitoring Report - Davis Creek St. at Stetzer Rd	was conducted for the Big and Douglas Creeks watershed located in Jackson, Monroe, Trempealeau and La Crosse counties. Field data will be used to evaluate and document current stream conditions and be analyzed in conjunction with the historic data to evaluate the overall health of the watershed. Growing season samples that were analyzed for total phosphorus were collected by DNR stream biologists and WAV volunteers and will be used to identify potential impairments throughout the watershed.			
2014 Total Phosphorus Monitoring Report - Douglas Creek at Hwy 54	Watershed assessment monitoring was conducted for the Big and Douglas Creeks watershed located in Jackson, Monroe, Trempealeau and La Crosse counties. Field data will be used to evaluate and document current stream conditions and be analyzed in conjunction with the historic data to evaluate the overall health of the watershed. Growing season samples that were analyzed for total phosphorus were collected by DNR stream biologists and WAV volunteers and will be used to identify potential impairments throughout the watershed.	Lindsey Albright	02/04/2015	
2014 Total Phosphorus Monitoring Report - Roaring Creek at Cutoff Road	Watershed assessment monitoring was conducted for the Big and Douglas Creeks watershed located in Jackson, Monroe, Trempealeau and La Crosse counties. Field data will be used to evaluate and document current stream conditions and be analyzed in conjunction with the historic data to evaluate the overall health of the watershed. Growing season samples that were analyzed for total phosphorus were collected by DNR stream biologists and WAV volunteers and will be used to identify potential impairments throughout the watershed.	Lindsey Albright	02/04/2015	
2014 Total Phosphorus Monitoring Report - Sand Creek at Hwy 108	Watershed assessment monitoring was conducted for the Big and Douglas Creeks watershed located in Jackson, Monroe, Trempealeau and La Crosse counties. Field data will be used to evaluate and document current stream conditions and be analyzed in conjunction with the historic data to evaluate the overall health of the watershed. Growing	Lindsey Albright	02/04/2015	

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Title	Description	Author	Published	Comments
	season samples that were analyzed for total phosphorus were collected by DNR stream biologists and WAV volunteers and will be used to identify potential impairments throughout the watershed.			

Budget

Budget Description: FY 2014 **Start Date:** 01/01/2014 **End Date:** 06/30/2014

Code	Description	Quantity	Units	Unit Cost	Total Cost	Comments
FTE	FTE Hours	40	Hours	$0.00	$0.00	
LTE SAL	LTE Salary	140	Hours	$15.00	$2,100.00	
LTE FR	LTE Fringe				$518.70	
LTE IND	LTE Indirect				$423.44	
LTE TOT	LTE Total Cost				$3,042.14	
SUPPLY	Supplies				$0.00	
EQUIP	Equipment				$0.00	
MILEAGE	Mileage	600	Miles	$0.72	$432.00	
MEAL	Meals	8	Meals	$10.00	$80.00	
LODGE	Lodging				$0.00	
TRAVEL	Travel Total				$512.00	
BUG	Bug Contracts				$0.00	
OTHER	Other Contracts				$0.00	
USGS	USGS Costs				$0.00	
TOTAL	Total Cost (excludes SLOH)				$3,554.14	

Test Code	Description	Test Group	# Planned	Unit Cost	Total Cost

Total SLOH Lab Costs: $0.00
Total Budget: $3,554.14

Budget Description: FY 2015 **Start Date:** 07/01/2014 **End Date:** 12/31/2014

Code	Description	Quantity	Units	Unit Cost	Total Cost	Comments
FTE	FTE Hours	130	Hours	$0.00	$0.00	
LTE SAL	LTE Salary	180	Hours	$15.00	$2,700.00	
LTE FR	LTE Fringe				$666.90	
LTE IND	LTE Indirect				$544.43	
LTE TOT	LTE Total Cost				$3,911.33	
SUPPLY	Supplies				$0.00	
EQUIP	Equipment				$0.00	
MILEAGE	Mileage	1200	Miles	$0.72	$864.00	
MEAL	Meals	21	Meals	$10.00	$210.00	
LODGE	Lodging				$0.00	
TRAVEL	Travel Total				$1,074.00	
BUG	Bug Contracts	20		$180.00	$3,600.00	
OTHER	Other Contracts				$0.00	
USGS	USGS Costs				$0.00	

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Code	Description	Quantity	Units	Unit Cost	Total Cost	Comments
TOTAL	Total Cost (excludes SLOH)				$8,585.33	

Test Code	Description	Test Group	# Planned	Unit Cost	Total Cost

Total SLOH Lab Costs: $0.00
Total Budget: $8,585.33

Combined Budgets: $12,139.47
Combined SLOH: $0.00
Combined Total: $12,139.47

Funding

Organization	Source	Type	Amount	Start Date	End Date