

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: NER_01_CMP12
Name: NER_01_CMP12 - 303d Assessment of 5 streams
Type: TMDL/303d Projects
Subtype: Monitor Listed Waters
Status: COMPLETE
Start Date: 07/01/2011
End Date: 06/30/2012
Purpose: Assess 5 streams for 303d impairment. Wuerches is impaired for TP / sediment which has caused low DO, elevated water temperature and degraded habitat. Harrington, Roy, Silver and Hill Creeks are all listed for sediment resulting in degraded habitat. - Hill (146200), Roy (148200), Silver (146800), Wuerches (148300) and Harrington (143700)

Roy, Hill, Silver and Wuerches all discharge into Big Green Lake which effects the water quality of this system. The Lake District needs up-to-date information regarding the levels of phosphorus and TSS that are entering this system. Most information is very old (> 10 years) and an update of this information will likely lead to active mgmt by parties interested in the water quality of Green Lake.

Harrington Creek is missing recent data of any kind so it is necessary to collect pertinent water chemistry, habitat and fish data to validate whether or not this system should be listed as impaired.

Since these streams are all located in the same general area it makes sense to conduct additional sampling for multiple parameters. I.E. travel costs will not be increased

Objective: To complete the data sets such that the current 303(d) designations can be completely verified / validated.

Information needed:

1. Harrington Creek - water quality (TSS / TP), fish, macro-inverts, habitat, temperature.
2. Roy Creek - water quality (TSS / TP), habitat, temp.
3. Hill Creek - water quality (TSS / TP), fish, habitat, temperature.
4. Silver Creek - water quality (TSS / TP), temperature.
5. Wuerches Creek - water quality (TSS / TP), fish, habitat, temperature.

Comments: 303(d) Impaired Waters List Project Category

Outcome: 1) Number of sample sites associated with the project = 5. 2) Number of sampling events associated with project is 43. 3) Estimated date when sample collection will be complete 06/30/2012. 4) Estimated date when all data will be entered into appropriate database 12/31/2012. 5) Estimated date when final report will be complete 12/31/2012.

The Green Lake District has requested water chemistry / biological data to assist them in targeting these impaired water for future restoration / management.

Study Design:

QA Measures:

People

Name	Role	Status	Start Date	End Date	Organization	Comments
Johnson, Theodore M	PROJECT_LEAD	COMPLETE	07/01/2011	06/30/2012	Wisconsin DNR	

Project Statuses

Date	Reported By	Status	Comments
01/14/2011	MOLLI MACDONALD	Proposed	
01/10/2012	Theodore Johnson	Progress: 50-75% Complete	All data has been collected. Data analysis and the final report need to be written.
06/01/2012	Theodore Johnson	Progress: 75-100% Complete	Data has been analyzed and the report is partially complete. Anticipate the final report being done by July of 2012 or possibly sooner dependent on work-load.
07/02/2012	Theodore Johnson	Complete	Report is in SWIMS

Actions

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Action	Detailed Description	Start	End Date	Status
Monitor or Propose 303(d) Listing	Information needed: 1. Harrington Creek - water quality (TSS / TP), fish, macro-inverts, habitat, temperature. 2. Roy Creek - water quality (TSS / TP), habitat, temp. 3. Hill Creek - water quality (TSS / TP), fish, habitat, temperature. 4. Silver Creek - water quality (TSS / TP), temperature. 5. Wuerches Creek - water quality (TSS / TP), fish, habitat, temperature.	07/01/2011	06/30/2012	COMPLETE

Details:	Parameter	Value/Amount	Units	Comments
	Degraded Biological Community			
	Degraded Habitat			
	Temperature			
	Total Nitrogen			
	Total Phosphorus			
	Total Suspended Solids			

Monitoring Stations

Station ID	Name	Comments
10030583	Dakin Creek - Maug Road	
10033647	Harrington Creek at CTH F	
243036	Hill Creek - Green Lake Watershed	Hill Creek @ Bridge
10021317	Roy Creek 200 Feet Above Cth O	Roy Creek
10033646	Silver Creek	
10012583	Unnamed Creek (Wuerches Creek) North Side Of Cty B Near State Hwy 73	
243059	White Creek -At Spring Grove Rd Near Mouth Of Green Lake WI	

Assessment Units

WBIC	Segment	Local Name	Official Name
143700	1	Harrington Creek	Harrington Creek
146200	1	Hill Creek	Hill Creek
146600	1	White Creek	White Creek
146700	1	Dakin Creek	Dakin Creek
146800	1	Silver Creek	Silver Creek
148200	1	Roy Creek	Roy Creek
148300	1	Wuerches Creek	Unnamed

Lab Account Codes

Account Code	Description	Start Date	End Date
WT142	303D/TMDL MONITORING	05/03/2011	06/30/2012

Forms

Form Code	Form Name
CONTINUOUS	Continuous Data Upload

Methods

Method Code	Description
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Method Code	Description
DNR-FPM-1001.3	Benthic Invertebrate D-Frame Net, Kick Samples 1988
MACROINVERTEBRATE BASELINE PROTOCOLS	Macroinvertebrate Baseline D-frame Kick Net 2004
DNR-FPM-SONDES2006	Multi-Parameter Continuous Meter Guidelines 2006
GRAB SAMPLE	Water Grab Sample Guidelines and Procedures 2005

Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
05/26/2011	COMPLETE	TIDBIT	10030583	Dakin Creek - Maug Road
05/26/2011	COMPLETE	TIDBIT	10021317	Roy Creek 200 Feet Above Cth O
05/26/2011	COMPLETE	TIDBIT	10033647	Harrington Creek at CTH F
05/26/2011	COMPLETE	TIDBIT	10033646	Silver Creek
05/27/2011	COMPLETE	TIDBIT	10012583	Unnamed Creek (Wuerches Creek) North Side Of Cty B Near State Hwy 73
05/31/2011	COMPLETE	TIDBIT	243059	White Creek -At Spring Grove Rd Near Mouth Of Green Lake WI
05/31/2011 14:00	COMPLETE	WC	10012583	Unnamed Creek (Wuerches Creek) North Side Of Cty B Near State Hwy 73
05/31/2011 14:30	COMPLETE	ROY	10021317	Roy Creek 200 Feet Above Cth O
05/31/2011 15:00	COMPLETE	HILL	243036	Hill Creek - Green Lake Watershed
05/31/2011 15:30	COMPLETE	HAR@F	10033647	Harrington Creek at CTH F
06/07/2011 12:00	COMPLETE	SILVER	10033646	Silver Creek
06/16/2011 13:30	COMPLETE	WC	10012583	Unnamed Creek (Wuerches Creek) North Side Of Cty B Near State Hwy 73
06/16/2011 13:45	COMPLETE	RC	10021317	Roy Creek 200 Feet Above Cth O
06/16/2011 14:00	COMPLETE	HC	243036	Hill Creek - Green Lake Watershed
06/16/2011 14:20	COMPLETE	SC	10033646	Silver Creek
06/16/2011 14:45	COMPLETE	HCF	10033647	Harrington Creek at CTH F
06/30/2011 10:30	COMPLETE	RC	10021317	Roy Creek 200 Feet Above Cth O
06/30/2011 10:45	COMPLETE	WC	10012583	Unnamed Creek (Wuerches Creek) North Side Of Cty B Near State Hwy 73
06/30/2011 13:00	COMPLETE	SC	10033646	Silver Creek
06/30/2011 14:00	COMPLETE	HC	243036	Hill Creek - Green Lake Watershed
06/30/2011 15:00	COMPLETE	HCF	10033647	Harrington Creek at CTH F
07/14/2011 04:30	COMPLETE	HCF	10033647	Harrington Creek at CTH F
07/14/2011 10:30	COMPLETE	SC	10033646	Silver Creek
07/14/2011 14:00	COMPLETE	WC	10012583	Unnamed Creek (Wuerches Creek) North Side Of Cty B Near State Hwy 73
07/14/2011 15:00	COMPLETE	HC	243036	Hill Creek - Green Lake Watershed
07/25/2011 09:30	COMPLETE	HCF	10033647	Harrington Creek at CTH F
07/25/2011 11:00	COMPLETE	SC	10033646	Silver Creek
07/25/2011 11:30	COMPLETE	HCH	243036	Hill Creek - Green Lake Watershed
07/25/2011 12:00	COMPLETE	BC	10021317	Roy Creek 200 Feet Above Cth O
07/25/2011 13:00	COMPLETE	WC	10012583	Unnamed Creek (Wuerches Creek) North Side Of Cty B Near State Hwy 73
08/05/2011	COMPLETE		10033647	Harrington Creek at CTH F
08/12/2011 11:30	COMPLETE	WC	10012583	Unnamed Creek (Wuerches Creek) North Side Of Cty B Near State Hwy 73
08/12/2011 11:40	COMPLETE	RC	10021317	Roy Creek 200 Feet Above Cth O
08/12/2011 12:00	COMPLETE	HCH	243036	Hill Creek - Green Lake Watershed
08/12/2011 12:30	COMPLETE	SC	10033646	Silver Creek
08/12/2011 13:00	COMPLETE	HCF	10033647	Harrington Creek at CTH F

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Start Date	Status	Field ID	Station ID	Station Name
09/27/2011	COMPLETE	HAR	10033647	Harrington Creek at CTH F
09/27/2011	COMPLETE	HILL	243036	Hill Creek - Green Lake Watershed
09/27/2011	COMPLETE	ROY	10021317	Roy Creek 200 Feet Above Cth O
09/27/2011	COMPLETE	SILVER	10033646	Silver Creek
09/27/2011	COMPLETE	WS	10012583	Unnamed Creek (Wuerches Creek) North Side Of Cty B Near State Hwy 73
12/15/2011 09:50	COMPLETE	HAR	10033647	Harrington Creek at CTH F
12/15/2011 11:00	COMPLETE	SIL	10033646	Silver Creek
12/15/2011 11:49	COMPLETE	HIL	243036	Hill Creek - Green Lake Watershed
12/15/2011 12:15	COMPLETE	ROY	10021317	Roy Creek 200 Feet Above Cth O
12/15/2011 12:45	COMPLETE	WUE	10012583	Unnamed Creek (Wuerches Creek) North Side Of Cty B Near State Hwy 73

Documents

Title	Description	Author	Published	Comments
303D Impairment Report - Green Lake Tribes	Final Report of 303D Assessment of 5 Streams	Ted Johnson, Eric Evensen, Adam Nickel	06/25/2012	

Budget

Budget Description: Budget for NER_01_CMP12 - 303d Assessment of 5 streams - Hill (146200), Roy (148200), Silver (146800), Wuerches (148300) and Harrington (143700)	Start Date: 07/01/2011	End Date: 06/30/2012
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Code	Description	Quantity	Units	Unit Cost	Total Cost	Comments
FTE	FTE Hours		Hours	\$0.00	\$0.00	
LTE SAL	LTE Salary	500	Hours	\$13.00	\$6,500.00	
LTE FR	LTE Fringe				\$1,605.50	
LTE IND	LTE Indirect				\$1,310.66	
LTE TOT	LTE Total Cost				\$9,416.16	
SUPPLY	Supplies	1		\$500.00	\$500.00	flow meter
MILEAGE	Mileage	600	Miles	\$0.72	\$432.00	
MEAL	Meals	21	Meals	\$9.00	\$189.00	
LODGE	Lodging				\$0.00	
TRAVEL	Travel Total				\$621.00	
BUG	Bug Contracts	1		\$165.00	\$165.00	
OTHER	Other Contracts				\$0.00	
EQUIP	Equipment				\$0.00	
USGS	USGS Costs				\$0.00	
TOTAL	Total Cost (excludes SLOH)				\$10,702.16	

Test Code	Description	Test Group	# Planned	Unit Cost	Total Cost
I520PLT	TOTAL PHOSPHORUS (AS P) (EPA 365.1)	INORGANIC CHEMISTRY	45	\$23.60	\$1,062.00
I650JLT	SUSPENDED SOLIDS (EPA METHOD 160.2)	INORGANIC CHEMISTRY	45	\$18.80	\$846.00

Total SLOH Lab Costs: \$1,908.00
Total Budget: \$12,610.16

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Combined Budgets: \$10,702.16
Combined SLOH: \$1,908.00
Combined Total: \$12,610.16

Funding

Organization	Source	Type	Amount	Start Date	End Date
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