



(715) 726-7920
www.co.chippewa.wi.us

711 North Bridge Street
Chippewa Falls, WI 54729-1876

March 3, 2014

Terry Kafka
Water Resources Mgt. Specialist
Wisconsin Department of Natural Resources
5301 Rib Mountain Drive
Wausau, WI 54401

Dear Terry:

Please find enclosed the following documents as submitted for the Final Report (TRC-LC19-09000-11:

- Final Report Form 3400-189
- Table 1. LLWSP-Practices Installed, Acres Protected and Pollution Reduced
- Map 1. Cumulative Map of Stream Buffers & Wetland Restorations; 2009-2013
- Figure 1. LLWSP Before & After Photographs
- CD-RW electronic documents

Feel free to contact me at 715-726-7920 if you have any questions.

Sincerely,

A handwritten signature in black ink that reads "Dan Masterpole". The signature is written in a cursive style with a large, looped initial "D".

Dan Masterpole
Department Director/County Conservationist

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Final Report Form 3400-189 (rev. 7/30/09)

- Targeted Runoff Management Grant Program (ch. NR 153)
- Notice of Discharge Program (ch. NR 153)
- Urban Nonpoint Source & Storm Water Management Grant Program (ch. NR 155)

NOTICE: This Final Report is authorized under ss. 281.65 and 281.66., Wis. Stats., and chs. NR 153 and NR 155, Wis. Admin. Code. Personally identified information collected will be used for program administration and may be made available to requesters as required under Wisconsin Open Records Law [ss. 19.31-19.39, Wis. Stats.].

INSTRUCTIONS: Your grant agreement requires you to submit a Final Report with your final reimbursement request. This Final Report form must be used in conjunction with the "FINAL REPORT INSTRUCTIONS." The instructions detail how to complete and submit the report to DNR as described in the instructions.

1. GRANT TYPE. Check the one that applies.	
<input checked="" type="checkbox"/> Targeted Runoff Management Grant – Agricultural	<input type="checkbox"/> Targeted Runoff Management Grant – Urban
<input type="checkbox"/> Urban Nonpoint Source & Storm Water Management Grant – Construction	<input type="checkbox"/> Urban Nonpoint Source & Storm Water Management Grant – Planning
<input type="checkbox"/> Notice of Discharge Grant	

2. PROJECT NAME & LOCATION.		
2.1. Project Name: Little Lake Wissota Stewardship Project	2.2. Grant Number: TRC-LC19-09000-11	
2.3. Governmental Unit Name: Chippewa County	2.4. Primary Watershed Name: Lower Yellow River	2.5. Watershed Code: LC19

NOTE FOR SECTION 2.6 (which follows):
 Section 2.6. includes five (5) columns (A. through E.) for recording data about five (5) discrete site locations. If your grant has more than five (5) discrete project locations, attach additional columns for Section 2.6 as described in the instructions. If your project occurs in more than one 12-digit Hydrologic Unit Code (HUC), use the space in adjacent columns to record other HUC numbers.

2.6 Site Location(s) →	A.	B.	C.	D.	E.
Name of Cost-Share Recipient or Governmental Unit	Jim Melville	Jon Kries			
Cost-Share Agreement Number (Agricultural only)	SF102	LP102			
12-Digit Hydrologic Unit Code(s) (HUC) Where Work Was Completed	070500050307	070500050307			
Nearest Surface Receiving Water Affected					
Name:	S Fork Paint Creek	Unnamed			
Waterbody Identification Code(s) (WBIC):	2153300	5011419			
Nearest Impaired Water Affected					
Name:	Paint Creek	Paint Creek			
Waterbody Identification Code(s) (WBIC):	2153200	2153200			
Pollutants Reduced	Sediment, phosphorous	Sediment, phosphorous			
Impairments/Impacts Addressed	Algae growth	Algae growth			

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Project Location(s) (cont.) →	A.	B.	C.	D.	E.
Project Coordinates:					
Town	T28N	T28N			
Range	R7W	R7W			
Section	28	16			
Quarter	SW	NE			
Quarter-Quarter	NW	SE			
Latitude (degrees, minutes, seconds North of Equator; use the DNR's Surface Water Data Viewer (SWDV))	44.8779	44.9096			
Longitude (degrees, minutes, seconds W of Prime Meridian, use the SWDV)	-91.2453	-91.2283			

3. SUMMARY OF RESULTS.

Table A. Agricultural Projects. – Ch. NR 151 Performance Standards and Prohibitions and Other Water Resources Management Priorities

A.1. Management Measures	Units of Measure	Quantity	Measurement Method Used
Sheet, rill and wind erosion	Acres meeting "T"	acres	
Manure Storage Facilities: New Construction/Alterations	Number of facilities	facilities	
	Number of animal units	animal units	
Manure Storage Facilities: Closure	Number of facilities	facilities	
Manure Storage Facilities: Failing/Leaking Facilities	Number of facilities	facilities	
	Number of animal units	animal units	
Clean Water Diversions in WQMA	Pollutant load reduction	lbs.	
	Number of farms with diversions	farms	
	Number animal units	animal units	
Nutrient Management on Agricultural Land	Acres planned	acres	
Prohibition: Manure Storage Overflow	Number of farms	farms	
	Number of animal units	animal units	
Prohibition: Unconfined Manure Pile in WQMA	Number of farms	farms	
Prohibition: Direct Runoff From Feedlot/Stored Manure	Pollutant load reduction	lbs.	
	Number of facilities	facilities	
	Number of animal units	animal units	
Prohibition: Unlimited Livestock Access	Feet of bank protected	feet	
	Number of farms	farms	

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Table A. Agricultural Projects. (continued)			
A.2. Other Management Measures			
	Units of Measure	Quantity	Measurement Method Used
Streambank & Shoreline Protection	Units (use feet, acres or number as applicable)		
	Pollutant load reduction (if method available)		
Other: R38 - Wetland Development or Restoration	Units (use feet, acres or number as applicable)	3	CREP Environmental Benefit Report
	Pollutant load reduction (if method available)	3	
Other:	Units (use feet, acres or number as applicable)		
	Pollutant load reduction (if method available)		
Other:	Units (use feet, acres or number as applicable)		
	Pollutant load reduction (if method available)		

Table B. Urban Construction Projects Serving Developed Areas.			
B.1. Required Management Measures			
	Units of Measure	Quantity	Measurement Method Used
20-40% Total Suspended Solids (TSS) Reduction for NR 216 communities	TSS reduced	lbs.	
	TSS reduction	%	
B.2. Other Management Measures			
20-40% Reduction in TSS for non-NR 216 communities	TSS reduced	lbs.	
	TSS reduction	%	
Infiltration	Pre-development stay-on volume	%	
	Stay-on volume	ft ³ /year	
Peak flow discharge for 2 year/24 hour design storm	Change in cubic feet per second for design year	ft ³ /sec	
Protective areas	Bank protected	feet	
Fueling & maintenance areas	Oily sheen presence reduced	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Streambank & Shoreline Protection	Bank erosion reduced	tons	
	Bank protected	feet	
Other:	Pollutant load reduction (if method available)		
	Units (use feet, acres or number as applicable)		

Table C. Urban Planning Projects.			
C.1. Governmental unit(s) involved (list by name):			
C.2. Estimate total acres covered by the	Existing Developed Urban Areas	New Development	Total Acres

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planning product:	acres	acres	acres
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C.3. Products developed (check all below that apply)	Identify Documents by Name (if applicable)
<input type="checkbox"/> Storm Water Plan	
<input type="checkbox"/> Construction or Erosion Ordinances	
<input type="checkbox"/> Post-construction Storm Water Ordinances	
<input type="checkbox"/> Other Types of Storm Water Quality Ordinances	
<input type="checkbox"/> Financing Methods: identified and evaluated	
<input type="checkbox"/> Financing Methods: developed or implemented	
<input type="checkbox"/> I & E Plan	
<input type="checkbox"/> I & E Implementation Activities	
<input type="checkbox"/> Other:	
C.4. Identify the Storm Water goals addressed (check all that apply)	Comments:
<input type="checkbox"/> Reduce TSS	
<input type="checkbox"/> Maintain infiltration	
<input type="checkbox"/> Control Peak Flow	
<input type="checkbox"/> Protective Areas	
<input type="checkbox"/> Control of Fueling & Maintenance Areas	
<input type="checkbox"/> Remove Illicit Discharges	
<input type="checkbox"/> Other:	

4. Satisfaction of Notice Requirements. If cost sharing for this project was offered under a formal notice pursuant to chs. NR 151 or 243, provide information for each notice in the table below.

Notice Information				Notice Satisfaction Information		
Chs. NR 151 or 243 Notice Type	Issue Date	From (Name)	To (Name)	Satisfied?		Date Letter Sent
				Yes	No	
				<input type="checkbox"/>	<input type="checkbox"/>	
				<input type="checkbox"/>	<input type="checkbox"/>	
				<input type="checkbox"/>	<input type="checkbox"/>	
				<input type="checkbox"/>	<input type="checkbox"/>	

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5. Additional Information. (Space will expand to fit your text.)

The Little Lake Wissota Stewardship Project (LLWSP) is a watershed based effort to restore basin hydrology and limit nutrient loads from agricultural sources.

This TRM grant was administered as a component of the LLWSP and was used to augment funds from other public and corporate grant sources. The LLWSP has received direct financial support through a \$250,000 contribution from the Jacob Leinenkugel Brewing Company. Other sources of funding include Xcel Energy (Natural Resources Fund), Community Foundation of Chippewa County (LLWSP Pass Through Fund), DATCP Soil & Water Resource Management Grant and the USDA Conservation Reserve Enhancement Program (CREP).

The TRM grant as submitted was limited in scope, and served to provide cost sharing only for riparian buffers and wetland restorations that were not eligible for CREP funding.

Table 1 provides a summary of stream buffers and wetland restorations installed through the LLWSP. The projects funded through the TRM TRC-LC19-09000-11 are highlighted in yellow. To date, 114 acres of environmentally sensitive land have been permanently protected by a perpetual conservation easement.

There have been 268 pounds of phosphorous and 105 tons of sediment removed from reaching surface waters.

Map 1 provides a cumulative geographical summary of the stream buffer and wetland restorations installed in the Little Lake Wissota watershed.

Figure 1 displays a typical portrayal of the landscape before and after a wetland restoration or groundwater scrape is installed.

6. Summary of Project Challenges. (Space will expand to fit your text.)

The major challenge the LLWSP faced was staff support. Midway through the grant cycle, our lead field staff member, had to be re-assigned to meet the growing demand of NR135 permits processed through our department.

The project also became limited in the time and effort needed to survey, design, and supervise construction of the wetland restorations. Several wetland restorations were installed using private funds in an effort to avoid the requirement of meeting some of the technical guide requirements (i.e. detailed topographic survey, as built survey, etc.).

7. Grantee Certification.

Checking here certifies that, to the best of your knowledge, the information contained in this report is correct.

Name of Authorized Representative (type or print) ↓

Dan Masterpole

Title of Authorized Representative (type or print) ↓

Dept. Director/County Conservationist

Signature of Authorized Representative

Dan Masterpole

Date

3/3/14

8. For Departmental Use Only.

Regional NPS Coordinator – Please complete the following:

8.A. Check here if you have received the following from the project sponsor:

- one (1) printed, signed, original Final Report + attachments
- one (1) electronic version of Final Report.

Send the printed, signed original Final Report with attachments + electronic version to the Community Financial Assistance Grants Manager. Community Financial Assistance will forward to Runoff Management Section Grants Coordinator.

Wisconsin Department of Natural Resources
Bureau of Watershed Management (WT/3)
101 S. Webster St.
Madison, WI 53703
PO Box 7921
Madison, WI 53707-7921

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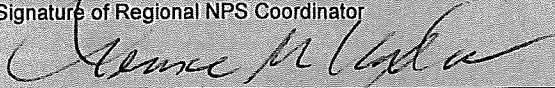
8.B. Comments about this project:

Riparian buffers & Wetland restoration projects were installed through this grant; 114 acres of environmentally sensitive areas protected through easement acquisition. Projects resulted in an estimated P reduction of 268 lbs. and 105 tons of sediment on an annual basis.

8.C. Type or print Name of Regional NPS Coordinator →

Terence M. Kafka

8.D. Signature of Regional NPS Coordinator



8.E. Date

03/19/2014

Table 1. Little Lake Wissota Stewardship Project - Practices Installed, Acres Protected, and Pollution Reduced

Landowner	Location	SB	WT	# of Acres	Easement	Year	Phosphorus Reduction (lbs.)	Sediment Reduction (tons)	Groundwater Infiltration (gal.)
G. Krumenauer	T28N R8W Sect. 26	√		9.0	Y	2009	15.0	7.2	
G. Krumenauer	T28N R8W Sect. 26		√	8.8	Y	2009	10.0	6.6	1,300,000
R. Schafer	T28N R8W Sect. 23	√		6.5	Y	2010	12.3	5.0	
R. Schafer	T28N R8W Sect. 23		√	3.7	Y	2010	3.1	0.5	2,433,935
S. Olson	T28N R8W Sect. 22	√		10.1	Y	2011	28.3	8.8	
M. Gilles	T28N R6W Sect. 11	√		4.4	Y	2011	30.0	12.4	
M. Gilles	T28N R6W Sect. 11		√	17.9	Y	2011	54.0	18.9	4,678,301
P. Snyder	T28N R8W Sect. 23	√		2.2		2011	23.3	10.0	
D. Mayer	T28N R7W Sect. 30	√		2.9		2011	16.0	6.0	
J. Mower	T28N R8W Sect. 26	√		5.5	Y	2012	30.6	13.0	
C. Chapek	T28N R6W Sect. 24	√	√	3.7	Y	2012	1.1	0.1	287,827
W. Dohms	T28N R6W Sect. 10		√			2012	6.5	2.2	889,050
J. Jones	T28N R7W Sect. 22		√			2012	1.0	0.1	259,887
Wm Brick	T28N R8W Sect. 36		√	6.9	Y	2012	2.4	0.3	814,813
J. Boyea	T28N R7W Sect. 35		√	5.2	Y	2012	4.8	1.5	1,148,152
E. Goettl	T28N R6W Sect. 29		√			2012	3.5	1.5	301,501
J. Bachman	T28N R7W Sect. 30		√	1.8	Y	2012	1.6	0.6	933,431
J. Peck	T28N R7W Sect. 21		√			2012	2.8	1.2	377,421
T. Weiss	T28N R7W Sect. 36		√	11.1	Y	2012	5.5	1.6	841,025
C. Evjen	T28N R7W Sect. 14		√			2013	1.8	0.3	653,406
J. Melville	T28N R7W Sect. 28		√	3.3	Y	2013	1.6	1.2	1,812,268
K. Lancette	T28N R7W Sect. 29		√	2.6	Y	2013	1.6	1.2	983,144
J. Kries	T28N R7W Sect. 16		√	6.0	Y	2013	2.2	1.0	404,102
B. Oberle	T28N R6W Sect. 21		√	0.9	Y	2013	6.3	2.2	2,759,248
S. Ramseier	T28N R6W Sect. 17		√	1.5	Y	2013	2.5	1.5	1,271,846

2/7/2014

114.0

267.8

104.9

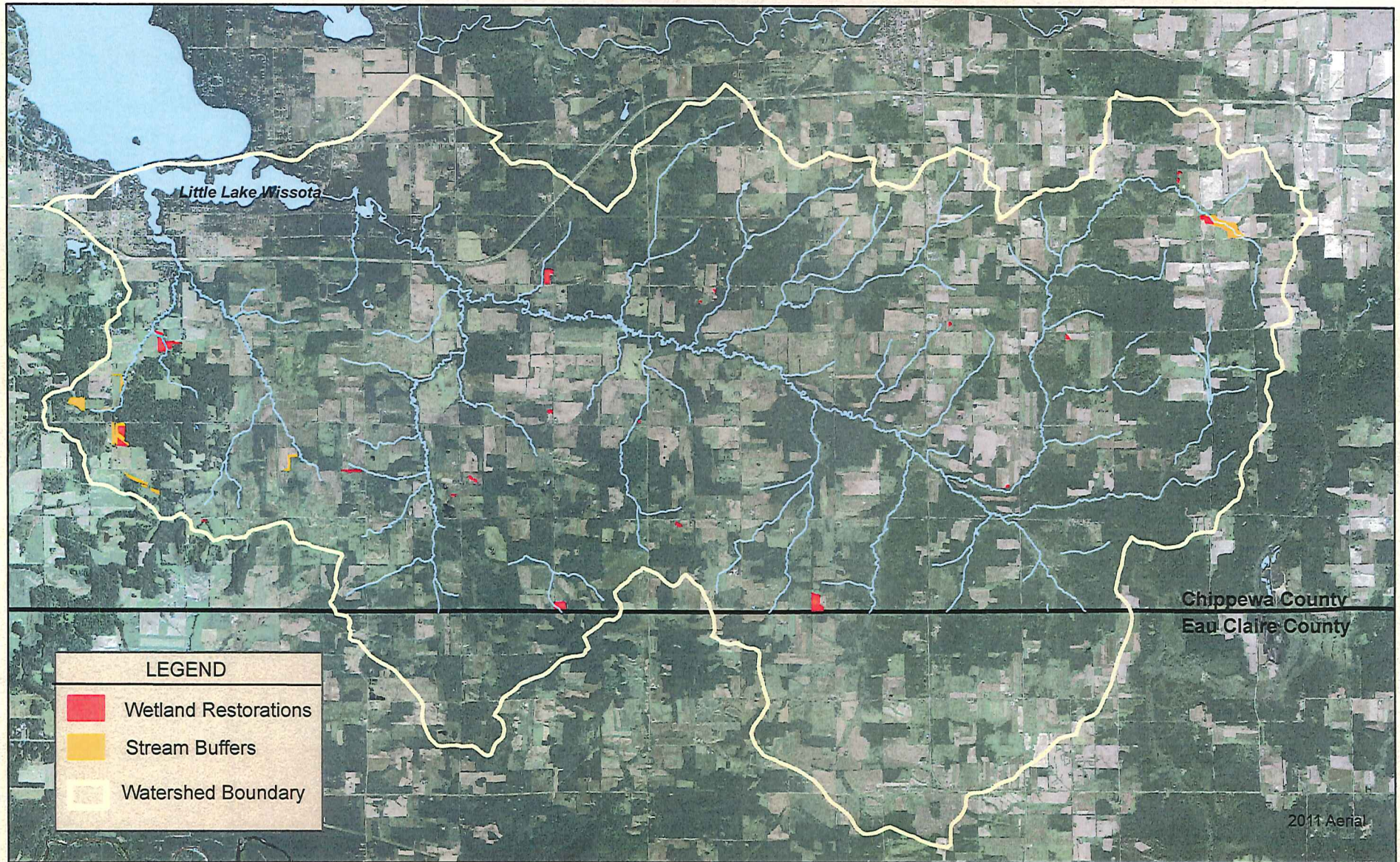
22,149,357

SB = Stream Buffers; WT = Wetland Restoration or Groundwater Scrapes

of acres = # of acres under permanent conservation easement

Map 1.

Little Lake Wissota Stewardship Project Cumulative Map of Stream Buffers & Wetland Restorations 2009-2013



2-11-14



0 0.475 0.95 1.9
Miles

Figure 1. Little Lake Wissota Stewardship Project Before & After Photographs

Landscape before the installation of groundwater scrape.



Landscape after the installation of groundwater scrape.



Inset shows detail of ecological diversity within 6 months of bmp installation.