

Notice: This final report is authorized by ss. 281.65 and 281.66, Wis. Stats., and chs. NR 153 and NR 155, Wis. Adm. Code. Personally identifiable information collected will be used for program administration and may be made available to requesters as required under Wisconsin's Open Records Law [ss. 19.31-19.39, Wis. Stats.].

**Instructions: The grant agreement requires grantees to submit a Final Report 60 days after the end date listed in the grant agreement. 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.**

**1. Grant Type**

- Agricultural - Targeted Runoff Management Grant
- Urban - Targeted Runoff Management Grant
- Construction - Urban Nonpoint Source & Storm Water Management Grant
- Planning - Urban Nonpoint Source & Storm Water Management Grant

**2. Grantee & Project Information**

Project Name <b>Calhoun Road Streambank Stabilization Project 2001-SW-4</b>	Grant Number <i>68200</i> <b>USC-MI03-68296-03C</b>
Governmental Unit Name <b>Brookfield</b>	Governmental Unit Type (city, village, town, etc.) <b>City</b>
Watershed Name <b>Upper Fox River- Illinois</b>	Watershed Code <b>FX07</b>
DNR Water Management Unit (River System) Name <b>Fox (IL)</b>	Water Body Identification Code (WBIC) (if applicable) <b>773200</b>

s. 303(d) Waterbody?  Yes  No

What pollutant(s) were addressed by the project?

For **each** project site location provide the following: (attach additional sheets if necessary)

Location:		A	B	C	D	E
Minor Civil Division Name		Brookfield	Brookfield	Brookfield	Brookfield	
PLSS	Town	07 N	07N	07N	07N	
	Range	20 E	20E	20E	20E	
	Section	15	15	15	16	
	Quarter	SW	SW	SW	SE	
	Quarter-Quarter	SW	SW	NW	NE	
Latitude		88d 7m 30s W	88d 7m 32s W	88d 7m 33s W	88d 7m 37s W	
Longitude		43d 3m 41s N	43d 3m 48s N	43d 3m 57s N	43d 4m 3s N	
Property Owner(s)	Name	a- Continental Savings Bank b- Beacon 17100 LLC	a- Randall J. Wichinski b- Robert W. Kutschenreuter c- Norman A. Cummings d- CHW Enterprises LLC e- CHW	a- Melvin D. Corley b- Wayne D. Wegner c- Netzow Limited Partnership	a. Russell L. Knuth b. William T. Schleicher Jr. c. William T. Schleicher Jr.	

			<b>Enterprises LLC</b> f- Paul Treichel			
	Mailing address	<p>a- 1930 E. North Ave. Milwaukee, WI 53202</p> <p>b- N16 W23390 Stoneridge D. Ste C Waukesha, WI 53188</p>	<p>a- 2460 N. Calhoun Rd. Brookfield, WI 53005</p> <p>b- 2445 Brook Springs Dr. Brookfield, WI 53005</p> <p>c- 2420 N. Calhoun Rd. Brookfield, WI 53005</p> <p>d/e- 14220 Regis St. Brookfield, WI 53005</p> <p>f- 2360 N. Calhoun Rd. Brookfield, WI 53005</p>	<p>a- 2600 N. Calhoun Rd. Brookfield, WI 53005</p> <p>b- 2570 N. Calhoun Rd. Brookfield, WI 53005</p> <p>c- W225 N4035 Grandview Dr. Pewaukee, WI 53072</p>	<p>a. 17350 Holly Ln. Brookfield, WI 53045</p> <p>b. 17270 Holly Ln. Brookfield, WI 53045</p> <p>c. 17270 Holly Ln. Brookfield, WI 53045</p>	
	Site address <i>(if different than mailing address)</i>	<p>a- 17160 W. North Ave. Brookfield, WI 53005</p> <p>b- 17100 W. North Ave. Brookfield, WI 53005</p>	<p>d- 2400 N. Calhoun Rd. Brookfield, WI 53005</p> <p>e- 2380 N. Calhoun Rd. Brookfield, WI 53005</p>	<p>c- 2540 N. Calhoun Rd. Brookfield, WI 53005</p>	<p>b. 2675 N. Calhoun Rd. Brookfield, WI 53045</p>	

3. Summary of Results

A. Performance Standards and Prohibitions and Other Water Resources Management Priorities

For grants issued in calendar year 2006 or later, complete Tables A and B (following) consistent with the entries on your grant application.  
 For grants issued prior to calendar year 2006, complete Tables A and B, to the best of your knowledge, consistent with the entries on your grant application.

Table A. Performance Standards and Prohibitions (per ch. NR 151, Wis. Adm. Code, effective October 1, 2002)

Performance Standard or Prohibition	Units of Measure	Quantity	Measurement Method Used
Sheet, rill and wind erosion	Acres meeting T		
Manure Storage Facilities: New Construction/Alterations	Number of facilities		
	Number of animal units		
Manure Storage Facilities: Closure	Number of facilities		
Manure Storage Facilities: Failing/Leaking Facilities	Number of facilities		
	Number of animal units		
Clean Water Diversions in WQMA	Pollutant load reduction		
	Number of farms with diversions		
	Number animal units		
Nutrient Management on Agricultural Land	Acres planned		
Prohibition: Manure Storage Overflow	Number of facilities		
	Number of animal units		
Prohibition: Unconfined Manure Pile in WQMA	Number of farms		
Prohibition: Direct Runoff From Feedlot/Stored Manure	Pollutant load reduction		
	Number of facilities		
	Number of animal units		
Prohibition: Unlimited Livestock Access	Feet of bank protected		
	Number of farms		
Urban: 20-40% Reduction in Total Suspended Solids (TSS)	Pounds TSS reduced		
	% TSS reduction		

Table B. Other Water Resources Management Priorities

I. Agricultural Areas	Units of Measure	Quantity	Measurement Method Used
Buffers	Feet of bank protected		
	Number of farms		
Streambank	Tons of bank erosion reduced		
	Feet of bank protected		
Other (specify)			
II. Developed Urban Areas	Units of Measure	Quantity	Measurement Method Used
Urban: 20-40% Reduction in TSS	Pounds TSS reduced		
	% TSS reduction		
Infiltration	% Pre-development stay-on volume		
	Cubic feet stay-on volume		
Peak flow discharge	Change in cubic feet per second		
Protective areas	Feet of bank protected		
Fueling & maintenance areas	Oily sheen presence		
Streambank	Tons of bank erosion reduced	(290-370)	
	Feet of bank protected	2275	
Other (specify)			
III. Planning	Units of Measure	Quantity	Measurement Method Used
Quantify how implementation of the planning project decreased storm water impacts on state waters (i.e., storm water plan, I & E plan, etc.)	Municipalities planned for		
	Acres planned for		
Document/track progress made in implementing the planning product (i.e., ordinance, utility district evaluation/formation, storm water management plan information & education, etc.)	Municipalities planned for		
	Acres planned for		
Other (specify)			

B. Project Results Narrative

The City of Brookfield began the Calhoun Road Streambank Project in October 2002, substantially completed the project in June 2003, and performed the project closeout in September 2005. With contract change orders, engineering, surveying, and inspection, the project was nearly \$100,000 under City budget. The City/contractor relationship was positive, and overall the project was a big success. At the start of construction, the tree removal was a big concern for residents, and even commuters along Calhoun Road. However, as the project progressed, and the grading and stabilization occurred, residents began to visualize the whole project. The feedback from citizens became more positive as the results of the gentle grading, stabilization, and appropriate plantings was seen. Overall, the investment in the stream stabilization project was profitable for erosion control, aesthetics, and stream quality.

4. Satisfaction of Notice Requirements (if applicable)

If cost sharing for this project was offered under a formal notice to achieve compliance with performance standards or prohibitions, provide information for each notice in the table below.

Notice Type	Notice Information			Notice Satisfaction Information		
	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"/>	

5. Summary of Project Challenges

The project challenges were mostly based on the lack of experience with streambank projects and resident feedback. The streambank stabilization project was a brand new type of construction for the City of Brookfield. Therefore, the inspection and implementation of the stream restoration was foreign to many involved, including inspection, project management and the construction crews. The Calhoun streambank project was especially challenging for two reasons: first, it is a highly traveled area resulting in frequent citizen complaints and feedback, and second, it was the first of three City streambank projects in three consecutive years. The City also had difficulties with the landscaping subcontractor on this project. Low bids resulted in a less than qualified landscaping contractor, and therefore landscaping issues were problematic.

6. Additional Information about the Project (optional)

7. Planning Product (UNPS&SW - Planning Projects only)

Check here if a printed copy of the planning product (e.g., plans, ordinances, analyses) was sent to your DNR Regional Nonpoint Source Coordinator.

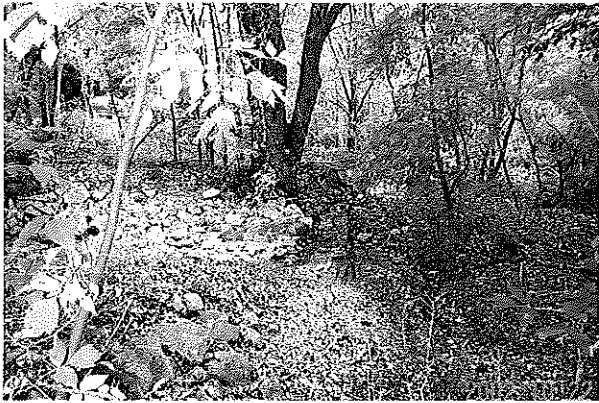
Name of Document	Date(s) effective	Date Submitted to NPS Coordinator
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8. Grantee Certification:

Check here to certify that, to the best of your knowledge, the information contained in this report is correct and true.

Type or print Name and Title of Authorized Representative certifying here.	Date
Jeff R. Speaker	3-6-06

**CALHOUN ROAD STREAMBANK STABILIZATION PROJECT**  
**WDNR Grant #USC-MI03-68296-03C**



**Before**



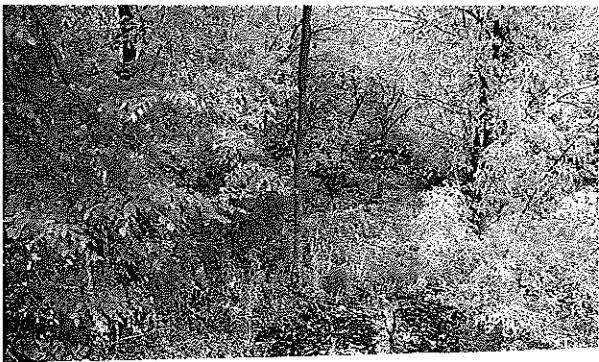
**After**



**Before**



**After**



**Before**

2002. 10. 22.



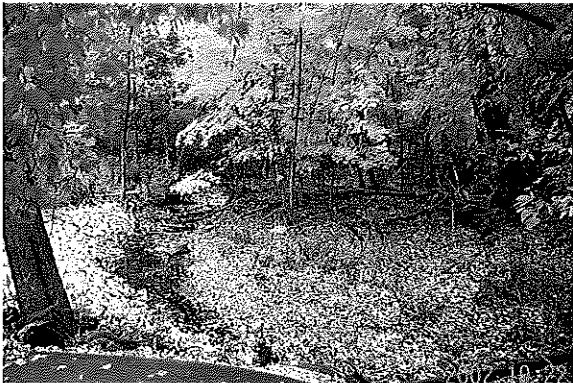
**After**



**Before**



**After**



**Before**



**After**



**Before**



**After**