State of Wisconsin
Department of Natural Resources

dnr.wi.gov

Final Report (CY 2003 Grants and Prior)

Targeted Runoff Management Grant Program and Urban Nonpoint Source and Storm Water Management Grant Program

Form 3400-189P (R 11/05)

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	Grant Number
Muskego Canal Stabilization Project	**TUC-FX04-52400-04**
Governmental Unit Name	Governmental Unit Type (city, village, town, etc.)
Wind Lake Management District	**Lake Protection District**
Watershed Name	Watershed Code
Muskego-Wind Priority Lake	
DNR Water Management Unit (River System) Name	Water Body Identification Code (WBIC) (if applicable)
Middle Fox River - Illinois	

s. 303(d) Waterbody? ☒ Yes ☐ No

What pollutant(s) were addressed by the project?

Sediment-shoreline erosion

For <u>each</u> project site location provide the following: (attach additional sheets if necessary)

Location:		A	B	C	D	E
Minor Civil Division Name		**Norway**	**Norway**	**Norway**		
PLSS	Town	**04**	**04**	**04**		
	Range	**20**	**20**	**20**		
	Section	**04**	**04**	**04**		
	Quarter	**SE**	**NE**	**SE**		
	Quarter-Quarter					
Latitude		**42deg 50' 19**	**42deg. 50' 29**	**42deg 50' 22**		
Longitude		**88deg. 8' 5**	**88deg, 8' 4**	**88deg 8' 4**		
Property Owner(s)	Name	**Rodney Woznicki**	**Patricia Knaak**	**Michael Miller**		
	Mailing address	**8605 Thompson Dr Wind Lake, WI 53185**	**8800 Thompson Dr Wind Lake, WI 53185**	**8716 Sadler Dr Wind Lake, WI 53185**		
Site address *(if different than mailing address)*						

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	**864**	**visual assessment**
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		
	Feet of bank protected		
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

This project stabilized approx. 864 feet of shoreline, with bank heights averaging 4 to7 feet. Erosion was a significant problem along this reach of the Muskego Canal. Rock riprap was installed to prevent erosion. In some instances, bank height was reduced prior to stabilization. This project was a continuation of an earlier grant project. The project was very successful - erosion from the sites has been eliminated.

This project has been monitored annually to ensure the stability of the rock riprap. All sites are stable and protecting from erosion.

Not funded under this grant, educational activities using newsletters is ongoing in the watershed to increase support for future activities and to educate the landowners on the importance of maintanence of the shorelines.

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 Information				Notice Satisfaction Information		
				Satisfied?		
Notice Type	Issue Date	From (Name)	To (Name)	Yes	No	Date Letter Sent
				☐	☐	
				☐	☐	
				☐	☐	
				☐	☐	

5. Summary of Project Challenges

None-the project went smoothly with cooperative landowners and a qualified, experienced contractor.

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.

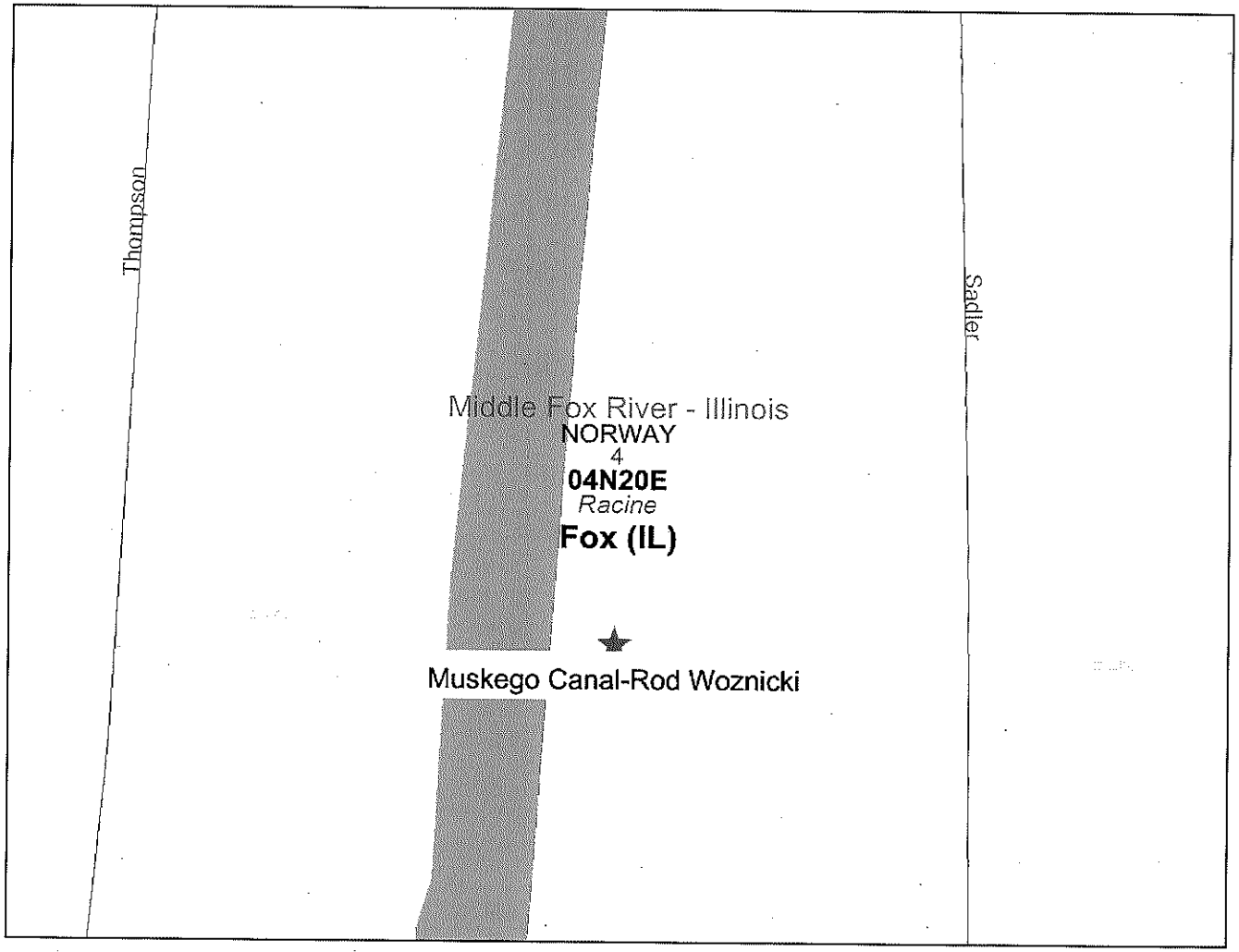
Name of Document	Date(s) effective	Date Submitted to NPS Coordinator

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
Kathleen A Aron, Exec. Director	**12/5/05**

Muskego Canal-Rod Woznicki_ on Aug 14, 2007



Legend

- Railroads
- Local Roads
- NR104 Lines
- Outstanding and Exceptional Waters
- Exceptional
- Outstanding
- PRF Sensitive Areas of Lakes
- ASNRI Outstanding and Exceptional Streams
- ORW
- ORW
- ERW
- ASNRI Outstanding and Exceptional Lakes
- ERW
- ORW
- ORW
- ASNRI Wild and Scenic Rivers
- ASNRI Trout Streams
- Class I Trout
- Class II Trout
- Class III Trout
- ASNRI Wild Rice Streams
- ASNRI Wild Rice Areas
- ASNRI Quality Wetland Streams
- ASNRI Quality Wetland Areas
- ASNRI NHI Streams
- ASNRI NHI Areas
- PNW Muskv Streams

0 90 180 270 ft.

Scale: 1:937