



### Final Report

Targeted Runoff Management Grant Program and Urban Nonpoint Source and Storm Water Management Grant Program  
 Form 3400-189 (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 <b>Stormwater Management Master Plan</b>	Grant Number <b>50181 USP-SC04-56032-03</b>
Governmental Unit Name <b>Somerset</b>	Governmental Unit Type (city, village, town, etc.) <b>Village</b>
Watershed Name <b>Lower Apple River Watershed</b>	Watershed Code <b>SC04-27</b>
DNR Water Management Unit (River System) Name <b>St. Croix</b>	Water Body Identification Code (WBIC) (if applicable) <b>N/A</b>

s. 303(d) Waterbody?  Yes  No

What pollutant(s) were addressed by the project?

**TSS, phosphorus, TKN, Copper, Lead, Zinc, and Hydrocarbons**

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

Location:		A	B	C	D	E
Minor Civil Division Name		Town of Somerset	Town of Somerset			
PLSS	Town	31N	30N			
	Range	19W	19W			
	Section	25, 26, 35, & 36	2, 3, & 4			
	Quarter	N/A	N/A			
	Quarter-Quarter	N/A	N/A			
Latitude		92° 40' 24" W	92° 40' 24" W			
Longitude		45° 7' 31" N	45° 7' 31" N			
Property Owner(s)	Name	N/A	N/A			
	Mailing address	N/A	N/A			
Site address <i>(if different than mailing address)</i>						

**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		
	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>i.e.</i> , storm water plan, I & E plan, <i>etc.</i> )	Municipalities planned for		
	Acres planned for		<b>See next page</b>
Document/track progress made in implementing the planning product ( <i>i.e.</i> , ordinance, utility district evaluation/formation, storm water management plan information & education, <i>etc.</i> )	Municipalities planned for		<b>See next page</b>
	Acres planned for		
Other (specify)			

**B. Project Results Narrative**

The primary purpose of the Village of Somerset Storm Water Management Plan is to identify water quantity concerns and water quality rates of sediment transfer and loading in bodies of water and wetland areas, and define a broad range of Best Management Practice measures that can be taken to reduce flooding and sediment loading from storm water runoff in the future.

Modeling was completed and analyzed to determine the most feasible and practical types and locations of BMP's. These recommendations will allow for the Village to plan for future development while protecting the surface water resources in and around the Village.

**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		
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"/>	

**5. Summary of Project Challenges**

One of the major issues in the project was determining the appropriate BMP's and sizes of the BMP's for particular locations throughout the Village. It was also difficult to determine which BMP's would get the biggest bang for the buck in some areas. More expensive alternatives will often be the most effective, they are often not a logic choice due to cost.

**6. Additional Information about the Project (optional)**

A stormwater management ordinance was developed and passed by the Village. The stormwater management plan along with the ordinance will require new development to follow standards that have been developed to reduce the amount of TSS that reaches the surface water resources.

**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 <b>Village of Somerset Stormwater Management Master Plan</b>	Date(s) effective <b>March 2005</b>	Date Submitted to NPS Coordinator <b>March 30, 2005</b>
--	--	--

**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.

**Pam Donohoe, Village of Somerset Clerk**

Signature of Authorized Representative



Date

**3/28/06**