

Final Report

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

Form 3400-189 (R 6/08)

dnr.wi.gov

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: Your grant agreement requires you 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. The DNR prefers that Final Reports be submitted in electronic format. If, however, printed copies of Final Reports are submitted, please submit three (3) complete originals to your regional Nonpoint Coordinator.

1. Grant Type -- Please check one.

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

2. Grantee & Project Information

| | |
|--|---|
| Project Name Snowden Branch NPS Mgmt | Grant Number TRC-GP03-22000-05 |
| Governmental Unit Name Grant County LWCD | Primary Watershed Name and Watershed Code Little Platte GP03 |
| Nearest Water Body Name | Nearest Water Body Identification Code (WBIC) (if applicable) |
| DNR Water Management Unit (River System) Name Grant - Platte | s. 303 (d) Listed Waterbody? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No. Snowden |

What pollutant(s) were addressed by the project (e.g., nitrogen, phosphorus, sediment, thermal control, etc.)?

Sediment and nutrients associated with soil erosion

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

| Location: | | A | B | C | D | E |
|--|-----------------|--|---|--|---|--|
| Minor Civil Division Name (City, Township, Village, etc.) | | Smelser | Smelser | Smelser | Smelser | Smelser |
| PLSS | Town | 2N | 2N | 2N | 2N | 2N |
| | Range | 1W | 1W | 1W | 1W | 1W |
| | Section | 17 | 12 | 9 | 16 | 9 |
| | Quarter | S1/2 | SE1/4 | W1/2 | NE1/2 | W1/2 |
| | Quarter-Quarter | SE1/4 | NW1/4 | SE1/4 | NW1/4 | SW1/4 |
| Latitude (degrees, minutes, seconds North of Equator; use the DNR's Surface Water Data Viewer, SWDV) | | 42° 38' 23" N | 42° 39' 39" N | 42° 39' 26" N | 42° 39' 11" N | 42° 39' 47" N |
| Longitude (degrees, minutes, seconds W of Prime Meridian, use the SWDV) | | 90° 30' 28" W | 90° 26' 12" W | 90° 29' 37" W | 90° 29' 43" W | 90° 29' 47" W |
| Property Owner(s) | Name | George Lazarus | Donald Kuhls | Francis Klar | John Wiegman | Wayne Carns |
| | Mailing address | PO Box 650 Platteville, WI 53818 | 461A Patch Road Platteville, WI 53818 | 1214 Klar Road Platteville, WI 53818 | 1506 Wiegman Ln Platteville, WI 53818 | 1670 Klar Rd Platteville, WI 53818 |

| | | | | | |
|------------------------------------|--|--|--|--|--|
| Site address (Not 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.

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 | 495 | Rusle 2 |
| 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 | 756 |
| Other (specify) | Feet of bank protected | 1680 | Measured |
| 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 | | |
| 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 | | |
| | Acres planned for | | |

| | | | |
|-----------------|--|--|--|
| Other (specify) | | | |
|-----------------|--|--|--|

B. Project Results Narrative

After battling with the weather for four years, the Snowden Branch Watershed is finally complete. This project set out to substantially reduce nonpoint source pollution due to streambank and cropland erosion and barnyard and pasture runoff in the Snowden Branch of the Little Platte River watershed. We were able to effectively address the first part of that goal, in addressing streambank and cropland erosion. 1680 ft of rip rap was installed on severely eroded banks preventing 756 Tons of sediment entering the stream yearly. In addition 11 grade stabilization structures and 9 ac of waterways were installed in the uplands. Drainage acres to these projects were required to meet "T", which comes to 495 acres.

Monitoring of the Snowden Branch watershed has been going on since 2000 by a Water Action Volunteer (WAV). The WAV protocol monitors 6 parameters; stream and riparian habitat, macroinvertebrates, dissolved oxygen, temperature, flow and turbidity. This data provides a fairly comprehensive assessment of water quality, habitat availability and fish populations.

If funding is available, Jim Amrhein of WI-DNR, plans to do a comprehensive look at the Snowden Branch Watershed. The study will look at the effects the BMP's have on the stream, but also the impacts that some of the "dam" type bridge structures are having on fish migration.

Two informational meetings were held in regards to this project. The first was prior to the application of this grant and the latter after the grant was awarded. Both meetings discussed the scope of the grant, the cost sharing available, statewide performance standards and the environmental benefit of participating.

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

Initially the project went quite smoothly, with many of the landowners who showed interest signing contracts in the first year. Installation of those projects went in the following year. If the projects didn't go in that year, then we had troubles. Wet weather set in and prolonged the project until this December.

6. Additional Information about the Project (optional)

7. Final Product(s) -- All Projects

A. Construction Projects

- A.1. Checking here indicates that a printed copy of project plans and specifications was sent to your DNR Regional Nonpoint Source Coordinator.
- A.2. Checking here indicates that photo-documentation of the project's construction is attached.

B. Planning Projects

- B.1. Checking here indicates that a printed copy of the planning product (e.g., plans, ordinances, analyses) was sent to your DNR Regional Nonpoint Source Coordinator.
- B.2. Checking here indicates that the Regional Nonpoint Source Coordinator has approved the final Planning Product(s).
- B.3. Checking here indicates that your governmental unit has adopted the final Planning Product(s).

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


8. Grantee Certification:

Checking here certifies 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.

Lynda Schweikert, County Conservationist

Signature of Authorized Representative



Date

1/8/2009

9. **FOR DEPARTMENTAL USE ONLY**

REGIONAL NONPOINT COORDINATOR -- Please complete the following:

- Checking here indicates that you received either planning or construction plans and specifications from the project sponsor, as appropriate. Attach a copy of the approval.
- Checking here indicates that you approved the final construction. Attach a copy of the final construction approval.
- Checking here indicates that you have approved the final Planning Product(s).
- Check here if two (2) signed, original copies of the Final Report and attachments have been sent to Runoff Management Section Grants Coordinator. Note: Regional Nonpoint Source Coordinator may retain one (1) copy of the signed, original Final Report.

Type or print Name of Regional Nonpoint Coordinator

Signature of Regional Nonpoint Coordinator

Date

| | | | |
|---------------------------|-----------------------|-----------------------|-----------------------|
| Attachment A | | | |
| Location | F | G | H |
| Minor Civil Division Name | Smelser | Smelser | Smelser |
| Town | 2N | 2N | 2N |
| Range | 1W | 1W | 1W |
| Section | 4 | 14 | 9 |
| Quarter | S1/2 | E1/2, NE1/4 | SW1/4 |
| Quarter-Quarter | NW1/4 | NW1/4 | NW1/4 |
| Latitude | 42° 40' 37" N | 42° 38' 58" N | 42° 39' 40" N |
| Longitude | 90° 30' 15" W | 90° 26' 56" W | 90° 30' 4" W |
| Name | Karla Egan-Dailey | Scott Vosberg | The Matadors |
| Mailing Address | 1604 Airport Road | 582 Lone Road | 2583 Airport Road |
| | Platteville, WI 53818 | Platteville, WI 53818 | Platteville, WI 53818 |



Wayne Carns Site One rip rap
before



Wayne Carns Site One rip rap
after



Wayne Carns Site two rip rap
before



Wayne Carns Site two rip rap
after



Karla Egan Dailey
Grade Stab. Project
#1



Karla Egan Dailey
Grade Stab. Project
#2



Karla Egan Dailey
Grade Stab. Project
#3



Karla Egan Dailey
Grade Stab. Project
#4



Don Kuhls
Grassed Waterway Project



Don Kuhls
Rock Chute Project



Francis Klar
Grade Stab. Project
#1—Before



Francis Klar
Grade Stab. Project
#1—After



Francis Klar
Grade Stab. Project
#2—Before



Francis Klar
Grade Stab. Project
#2—After



Francis Klar
Streambank Project
Before



Francis Klar
Streambank Project
After



George Lazarus
Grade Stab. Project



George Lazarus
Grade Stab. Project



George Lazarus
Grade Stab. Project



George Lazarus
Grade Stab. Project



The Matadors
Streambank Project
Before



The Matadors
Streambank Project
After



John Weigman Jr
Streambank Project
Site 1



John Weigman Jr
Streambank Project
Site 2