

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

2. Grantee & Project Information

| | |
|--|--|
| Project Name 2004 Storm Water Planning Grant | Grant Number USP-UF02-08179-05 |
| Governmental Unit Name Village of Sherwood | Primary Watershed Name and Watershed Code Lake Winnebago /East UF02-111 Plum & Kankapot Crk LF03-113 |
| Nearest Water Body Name | Nearest Water Body Identification Code (WBIC) (if applicable) |
| DNR Water Management Unit (River System) Name | s. 303 (d) Listed Waterbody? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No. |

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

Planning Grant: Long term non-point source pollution.

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.) | | Village of Sherwood | Village of Sherwood | | | |
| PLSS | Town | 20N | 20N | | | |
| | Range | 18E | 19E | | | |
| | Section | 25, 26 & 36 | 19,29,30,31,32 | | | |
| | Quarter | See Question 6. | See Question 6. | | | |
| | Quarter-Quarter | See Question 6. | See Question 6. | | | |
| Latitude (degrees, minutes, seconds North of Equator; use the DNR's Surface Water Data Viewer, SWDV) | | 44°10'28.9"N | 44°10'48"N | | | |
| Longitude (degrees, minutes, seconds W of Prime Meridian, use the SWDV) | | 88°17'24.2"W | 88°15'43" W | | | |
| Property Owner(s) | Name | Village of Sherwood | Village of Sherwood | | | |
| | Mailing address | P.O. Box 279 Sherwood, WI 54169 | P.O. Box 279 Sherwood, WI 54169 | | | |

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| | | | | | |
|------------------------------------|-----------------|-----------------|--|--|--|
| Site address (Not mailing address) | See Question 6. | See Question 6. | | | |
|------------------------------------|-----------------|-----------------|--|--|--|

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 | | |
| 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 | |
| | Other (specify) | Feet of bank protected | |
| II. Developed Urban Areas | | | |
| Urban: 20-40% Reduction in TSS | Pounds TSS reduced | 87,197 | Winn Slamm 9.2.1 |
| | % TSS reduction | 40 | Winn Slamm 9.2.1 |
| 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 | | | |
| 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 | 1 | Count |
| | Acres planned for | 1,098 | Count |
| 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 | 1 | Count |
| | Acres planned for | 1,098 | Count |

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

B. Project Results Narrative

The Village of Sherwood obtained an Urban Nonpoint Source and Stormwater Planning (UNPS&SW) Grant from the WDNR to assist with the preparation of a Storm Water Management Plan. The purpose of the SWMP is to provide the Village with the long-term guidance necessary to improve water quality within the receiving waters. The SWMP provides the framework for implementing six minimum control measures. The six minimum control measures are: Public Education and Outreach, Public Involvement and Preparation, Illicit Discharge & Elimination, Construction Site Pollution Control, Post-Construction Site Storm Water Management, and Municipal Pollution Prevention.

One component of the SWMP was to evaluate the total suspended solids loadings to the receiving water bodies. A storm water quality analysis was prepared using the Source Loading Model for Windows (WinSLAMM). The SLAMM analysis predict runoff volumes and non-point source pollution loads based on information inputted in the program such as land use and soil type. Win SLAMM also calculates the amount of pollutant removal provided by the Best Practices (BMP's). Best Management Practices include street sweeping, grass swales, wet ponds, biofiltration, and other BMP's. Currently, BMP's in the Village reduce total suspended solids by 29% as compared to no controls.

The Village of Sherwood completed the following items under the UNPS&SW Grant:

The Village developed an illicit discharge & connection, a construction erosion control ordinance and a post-construction runoff ordinance. Both ordinances were adopted and became effective by the Village Board on March 24, 2008. The ordinances can be viewed at http://www.villageofsherwood.org/index.asp?Type=B_BASIC&SEC={AFBA8EB4-ED8D-4648-9D8F-1C32181CB856}

The Village mapped the entire drainage system. The drainage system maps were included with the Storm Water Management Plan which was submitted to the Wisconsin Department of Natural Resources regional office in Green Bay on December 22, 2008.

A Citizen Advisory Board (CAB) was convened and met on several occasions to involve itself in matters relating to public involvement and education. The CAB did rank order topics which should be addressed as part of an information and education campaign.

The Village has developed the following components of the plan:

- Public Education and Outreach
- Public Involvement and Participation
- Illicit Discharge Detection and Elimination
- Construction Site Pollution Control
- Post Construction Storm Water Management
- Municipal Pollution Prevention.

Work on all phases of Storm Water Planning Grant was completed on December 22, 2008.

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

6. Additional Information about the Project (Optional)

Project Information. Question 2. Location of project area within Calumet County includes: All of Quarters of Sections 25 & 26 T 20N, R18E; E 1/2 of the NE 1/4 of Section 26, T20N, R18E; S 1/2 of SW 1/4 and SW1/4 of SE1/4, Section 19, T20N, R19E; NE1/4, SW1/4, and SE1/4 of NW1/4, Section 29, T20N, R19E; NW1/4, SW1/4, and SE1/4 of NE1/4, Section 29, T20N, R19E; All of SW1/4, Section 29, T20N, R19E; N1/2 of SE1/4, Section 29, T20N, R19E; All of Section 30, T20N, R19E; NW1/4 of NW1/4, Section 31, T20N, R19E; E1/2 of NE1/4, Section 31, T20N, R19E; NE1/4 of SE1/4, Section 31, T20N, R19E; W1/2 of NW1/4, Section 32, T20N, R19E; and NW1/4 of SW1/4, Section 32, T20N, R19E.

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.

Ellen Maxymek, Clerk/Treasurer

Signature of Authorized Representative



Date

April 30, 2009

9. FOR DEPARTMENTAL USE ONLY

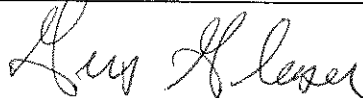
REGIONAL NONPOINT COORDINATOR -- Please complete the following:

- 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

Cos Glasen

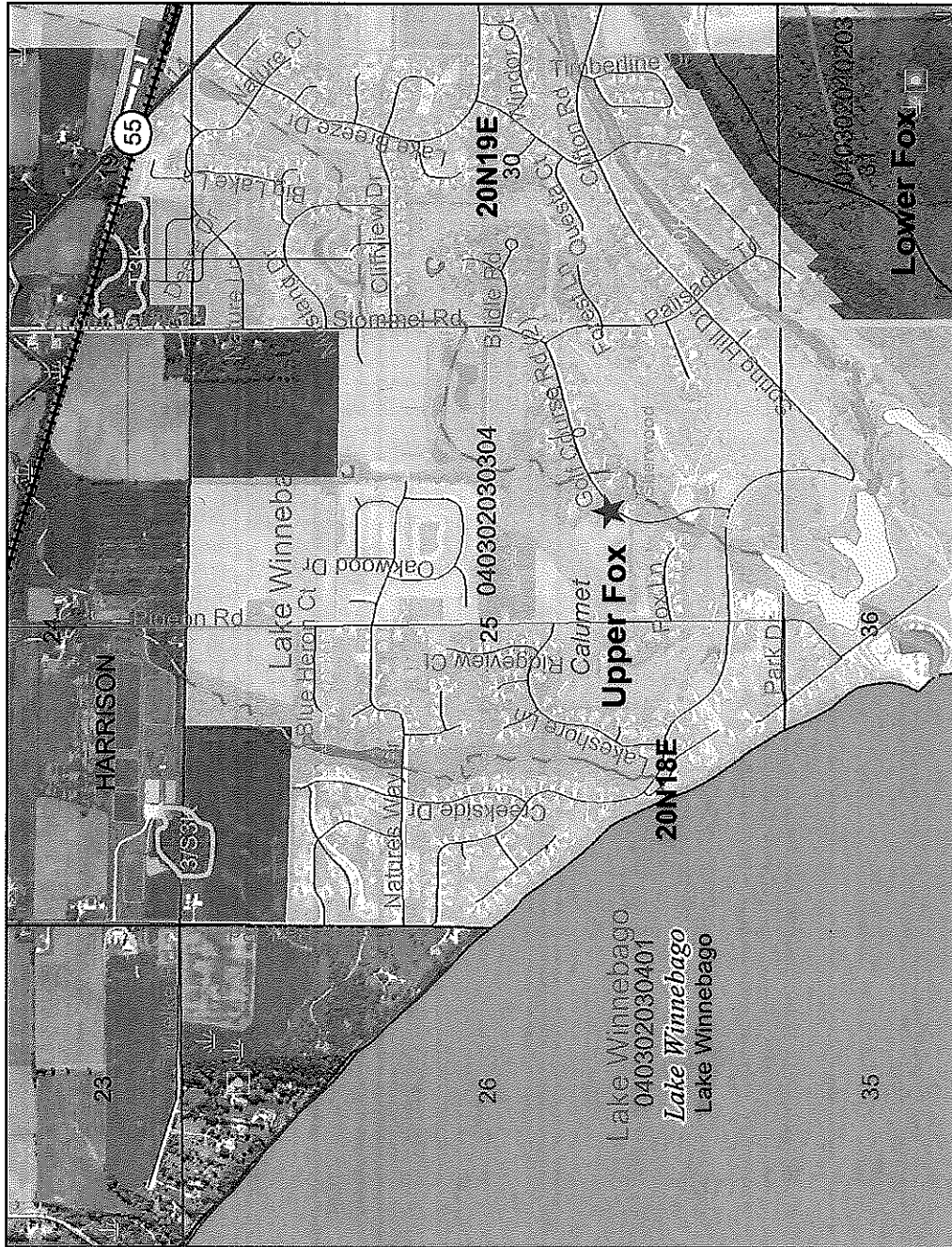
Signature of Regional Nonpoint Coordinator



Date

07/17/09

Sherwood_Vil_Meadowcliff Pond_Jul 22, 2009



Legend

- Railroads
- Major Highways
- Interstate
- State Highway
- U.S. Highways
- County Roads
- Local Roads
- NR104 Lines
- Outstanding and Exceptional Streams
- Exceptional Outstanding
- Localional QA In Progress
- Localional Data Source Conflict
- Outstanding and Exceptional Lakes
- Exceptional Outstanding
- Localional QA In Progress
- Localional Data Source Conflict
- PRF Other River Public Rights Features
- PRF Sensitive Rivers
- PRF Other Public Rights Features
- PRF Sensitive Areas of Lakes
- ASNR Outstanding and Exceptional Streams
- ORW
- DRW
- ERW

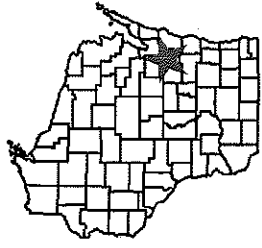
Scale: 1:18,201



0 1750 3500 5250 ft.

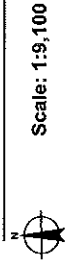
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Shwerwood_VII_Meadowcliff Pond_Jul 22, 2009



Legend

- Open Sites (ongoing cleanups)
- Open Sites (ongoing cleanups) - site boundaries shown
- Closed Sites (completed cleanups)
- Closed Sites (completed cleanups) - site boundaries shown
- County Boundary
- PLSS Townships
- PLSS Sections
- Railroads
- County Roads (WDOT)
- County Trunk Highway
- State and U.S. Highways (WDOT)
- State Trunk Highway
- US Highway
- Interstate Highways (WDOT)
- Interstate Highway
- Local Roads (WDOT)
- DNR Water Mgmt Units
- DNR Major Basins
- Civil Towns
- Civil Town
- 24K Open Water
- 24K Rivers and Shorelines
- Municipalities



Map created on Jul 22, 2009
 Note: Not all RR Sites have been geo-located yet.



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