



Please complete and submit to your project manager.

- Reporting Period: [] January 1 through June 30 (Due August 1)
[X] July 1 through December 31 (Due February 1)

All information is required by the U.S. Environmental Protection Agency (EPA) and the Minnesota Pollution Control Agency (MPCA). Do not leave blanks (unless otherwise noted). This report form can be typed using your computer. Use the "tab" key to move through the fields of this form. Enter responses using text and check boxes as indicated. Keep a copy for your records.

I. General Report Information

- 1. Project title: WFDNR Targeting and Prioritizing Endeavor
2. Project sponsor (Grantee): Heron Lake Watershed District
3. Contact name: Jan Voit, District Administrator
4. E-mail address: jan.voit@mysmbs.com
5. Funding: [] 319 [X] CWP [] CWP Loan [] Clean Water Fund [] Other:
6. Contract number: 93259
7. MPCA Project Manager: Katherine Pekarek-Scott
8. Effective date (mm/dd/yyyy): 6/15/2015 Expiration date (mm/dd/yyyy): 6/30/2018

II. Semi-annual Report Information

1. Project activities completed during last six (6) months according to the program objectives or tasks (please be specific):

Objective 1: Generate Enhanced Water Quality Products - Task A: Generate Travel Time Grids to Priority Resources

Complete

Objective 1: Generate Enhanced Water Quality Products - Task B: Estimate Total Nitrogen (TN), Total Phosphorus (TP), Sediment, and Hydrologic Loading

Complete

Objective 2: Develop Targeted Implementation Plan - Task A: Priority Area Identification

GIS process completed

QA review of candidate locations and targeted implementation plan data

Objective 2: Develop Targeted Implementation Plan - Task B: Data Verification

HEI developed and transmitted to HLWD a field verification protocol and approach for HLWD staff in a technical memo dated 7/12/2017.

HLWD staff conducted site check to visually verify land use, practice suitability, and any potential additional physical parameters identified in verification strategy.

HLWD staff compiled site verification data.

Objective 2: Develop Targeted Implementation Plan - Task C: BMP Truthing

On August 1, 2017, HEI submitted the information needed to conduct field validation for the WFDNR Prioritizing and Targeting Endeavor. Catherine Wegehaupt and Jan Voit drafted letter dated August 2, 2017. It was sent to landowners who owned property in areas that were identified for field validation.

On August 7, 2017, Jan Voit received several phone calls regarding the letter. One landowner, who was particularly angry and threatening, did not allow any explanation. The others asked a few questions and were happy to have the survey done. Because of the questions that were received, Jan Voit drafted a letter containing more details regarding the project. Another

letter containing more detailed information was sent to the same landowners on August 7.

Catherine Wegehaupt worked on field validation information throughout the month of August. The field validation information was submitted to Houston Engineering, Inc. on August 31, 2017.

HEI conducted a review of ground truthing data collected by HLWD staff to verify that the predicted locations aligned with field data.

Objective 3: Knowledge and Technology Transfer - Task A: Develop Final Reports

HEI submitted the interim report to the HLWD on October 29, 2017. Jan Voit reviewed the report and made comments and corrections. The report was returned to HEI for revisions on November 14, 2017.

HEI incorporated interim report comments, compiled completed implementation scenarios into report format, assembled full draft report on 12/22/2017.

HLWD reviewed full draft report and provided final comments to HEI on 12/27/2017. Edited final report was completed and transmitted on 12/28/2017.

Objective 3: Knowledge and Technology Transfer - Task B: Conduct Training Workshops

No activity during this reporting period.

Objective 3: Knowledge and Technology Transfer - Task C: Refine Data Products and Training

No activity during this reporting period.

Objective 4 Task A:

The WFDNR Targeting and Prioritizing Endeavor SAR was drafted on June 30, 2017 and sent to Larry Kramka for additional information. Larry Kramka and Jan Voit discussed the report on July 5, 13, and 18. Revisions were made to the report on July 19. It was submitted to Katherine Pekarek-Scott, MPCA and approved.

Jan Voit began drafting the annual report on December 19, 2017. The draft document was sent to Larry Kramka for additional information. Larry Kramka provided a revised annual report on December 28, 2017.

2. List all products (documents, pamphlets, videos, maps, etc.) produced in this reporting period:

Maps

CLU Index

HLWD Field to Map Index

Outside HLWD Map Index

PTMApp Field Protocols Final

PTMApp Letters worksheet

Nobles County letters

Jackson County letters

Updated letters

PTMApp Interim Report

Final Report Transmit Letter

PTMApp Final Report

3. Challenges faced (optional):

n/a

4. Summary of monitoring data collected (if applicable):

n/a

4a. Have all monitoring stations been established in EQUIS? Yes No N/A

4b. Are the data being routinely submitted for storage into EQUIS? Yes No NA

If yes, last submittal date (mm/dd/yyyy): _____

5. Are the Best Management Practices data being annually entered into eLINK)? Yes No N/A

If yes, date last entered (mm/dd/yyyy): _____

6. Describe specific (quantifiable, if possible) results achieved during this period:

n/a

Phosphorus Load Reduction: n/a lbs./year

Nitrogen Load Reduction: n/a lbs./year

Sediment Load Reduction: n/a lbs./year

7. Did the MPCA execute a change order or amendment for this project during this reporting period? No Yes

If yes, summarize those changes:

8 List anticipated program objectives or tasks to be completed during the next six (6) months please be specific):

Objective 1. Task A: completed

Objective 1. Task B: completed

Objective 2. Task A: completed

Objective 2. Task B: completed

Objective 2. Task C: completed

Objective 3. Task A:

Complete final reports

Complete data package for outreach and education

Develop potential funding mechanisms

Objective 3. Task B:

Complete final workshop and all remaining tasks

Objective 3. Task C:

Complete debrief

Complete lessons learned

Complete final workshop materials and reports

Objective 4. Task A.

Complete annual report

Submit reimbursement requests

Begin writing semi-annual report

III. Expenditure Information for this Period

Provide a copy of your work plan budget showing cumulative expenditures and budget balances by work plan objective and task. Also, fill out the summary below.

Expenditure Report attached

Complete the table below:	Amount
Total Grant Amount	\$21,955.00
Total Match Amount (if applicable)	\$27,165.00
Total Project Amount	\$49,120.00
Grant Expenditures this period	\$3,161.62
Match Expenditures this period (if applicable)	\$5,877.38
Cumulative Grant Expenditures to date	\$8,819.87
Cumulative Match Expenditures to date (if applicable)	\$13,336.13
Total Cumulative Expenditures to date	\$22,156.00

Date form completed (mm/dd/yyyy): 1/2/2018