Watershed Semi-Annual Report for Reporting Year 2015

Please complete and submit to your project manager.

Reporting Period: [☐] January 1 through June 30 (Due August 1)
[☑] 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: Jack and Okabena Creek Sediment Reduction Project
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 CWP [☐] Clean Water Fund [☐] Other: 
6. Contract number: 55000
7. MPCA Project Manager: Katherine Pekarek-Scott
8. Effective date (mm/dd/yyyy): 10/1/2012 Expiration date (mm/dd/yyyy): 8/31/2016

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. Task B. The Okabena Creek project was installed on September 22, 2015.
   
   Objective 2. Task A: Cole Sinnamon and Michelle Chapel conducted photo monitoring at the Jack and Okabena Creek sites on July 20, 2015. Video footage was also taken.
   
   Objective 2. Task A: Cole Sinnamon and Michelle Chapel conducted photo monitoring at the Jack and Okabena Creek sites on August 10, 2015. Video footage was also taken.
   
   Objective 2. Task A. Catherine Wegehaupt conducted photo monitoring at the Jack and Okabena Creek sites on September 2, 2015. Video footage was also taken.
   
   Objective 2. Task A. Catherine Wegehaupt conducted photo monitoring at the Jack and Okabena Creek sites on October 7, 2015. Video footage was also taken.
   
   Objective 2. Task A. Catherine Wegehaupt conducted photo monitoring at the Jack and Okabena Creek sites on October 7, 2015. Video footage was also taken.
   
   Objective 2. Task B: Time was spent updating the webpage on July 23, 27, and July 30, 2015. Work was also done on the site on August 1 and 19, 2015.
   
   Objective 3. Task A: Katherine Pekarek-Scott, MPCA; Amanda Schultz, and Jan Voit met to review the grant work plan on July 14, 2015
   
   Objective 3. Task A: The semi-annual report was submitted to MPCA on July 14, 2015. The report was approved on July 30, 2015.
   
   Objective 3. Task A: Work began on the annual report on December 10, 2015. The draft annual report was submitted on December 15, 2015. The Okabena Creek 2 project was entered in eLINK on December 29, 2015.

2. List all products (documents, pamphlets, videos, maps, etc.) produced in this reporting period:
   
   Jack Creek site photos and video footage
   
   Okabena Creek site 1 photos and video footage
Okabena Creek site 2 photos and video footage

3. Challenges faced (optional):
   n/a

4. Summary of monitoring data collected (if applicable):
   Photo monitoring and video footage were taken on July 20 and August 10, 2015 at the Jack Creek and Okabena Creek sites. Photo monitoring and video footage were taken at the Okabena Creek Project 1 and Jack Creek sites on September 2, 2015. Photo monitoring was done at the Okabena Creek Project 2 site on October 7, 2015.

   July 20, 2015: Okabena Creek Bend 1 transparency tube reading: 10 cm
   July 20, 2015: Okabena Creek Bend 2 transparency tube reading: 10 cm
   July 20, 2015: Jack Creek Bend 1 transparency tube reading: 19 cm
   July 20, 2015: Jack Creek Bend 2 transparency tube reading: 27 cm
   July 20, 2015: Jack Creek Bend 3 transparency tube reading: 24 cm
   August 10, 2015: Okabena Creek Bend 1 transparency tube reading: 6 cm
   August 10, 2015: Okabena Creek Bend 2 transparency tube reading: 12 cm
   August 10, 2015: Jack Creek Bend 1 transparency tube reading: 11 cm
   August 10, 2015: Jack Creek Bend 2 transparency tube reading: 10 cm
   August 10, 2015: Jack Creek Bend 3 transparency tube reading: 9 cm
   September 2, 2015: Okabena Creek Bend 1 transparency tube reading: 19 cm
   September 2, 2015: Jack Creek Bend 1 transparency tube reading: 24 cm
   September 2, 2015: Jack Creek Bend 2 transparency tube reading: 25 cm
   September 2, 2015: Jack Creek Bend 3 transparency tube reading: 22 cm
   October 7, 2015: Okabena Creek Bend 2 transparency tube reading: 69 cm

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):  10/27/2014

5. Are the Best Management Practices data being annually entered into eLINK?  ✗ Yes  ☐ No  ☐ N/A
   If yes, date last entered (mm/dd/yyyy):  12/29/2015

6. Describe specific (quantifiable, if possible) results achieved during this period:
   Okabena Creek 2 project information - 294.53 lbs/yr phosphorus, 346.50 tons/yr sediment
   Phosphorus Load Reduction: 294.53 lbs./year
   Nitrogen Load Reduction: n/a lbs./year
   Sediment Load Reduction: 693,000 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 2. Task A: Take transparency tube readings on a monthly basis in April, May, and June.
   Objective 2. Task A: Take photos and video footage at the sites in April, May, and June.
Objective 2. Task A: Take water samples in April, May, and June.
Objective 2. Task B: Upload photos and video footage to website.
Objective 2. Task D: Draft and submit articles to local news media.
Objective 3. Task A: Submit semi-annual report.
Objective 3. Task A: Begin drafting final 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

<table>
<thead>
<tr>
<th>Complete the table below:</th>
<th>Amount</th>
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<tbody>
<tr>
<td>Total Grant Amount</td>
<td>$20,600.00</td>
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<tr>
<td>Total Match Amount (if applicable)</td>
<td>$21,184.00</td>
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<tr>
<td><strong>Total Project Amount</strong></td>
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<td>Grant Expenditures this period</td>
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<tr>
<td>Match Expenditures this period (if applicable)</td>
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<td>Cumulative Grant Expenditures to date</td>
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<tr>
<td>Cumulative Match Expenditures to date (if applicable)</td>
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<tr>
<td><strong>Total Cumulative Expenditures to date</strong></td>
<td><strong>$46,768.06</strong></td>
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</tbody>
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Date form completed (mm/dd/yyyy): 12/31/2015