

St. Paul, MN 55155-4194

Watershed Semi-Annual Report for Reporting Year 2017

Expiration date (mm/dd/yyyy): 6/30/2018

Doc Type: Semi-Annual Report

Please complete and submit to your project manager.

Repo	orting Period: ☐ January 1 through June 30 (Due August 1) ☐ July 1 through December 31 (Due February 1)
Do no	formation is required by the U.S. Environmental Protection Agency (EPA) and the Minnesota Pollution Control Agency (MPCA) ot leave blanks (unless otherwise noted). This report form can be typed using your computer. Use the "tab" key to move 19th 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: Northwood Lake Water Quality Improvement Project
2.	Project sponsor (Grantee): Bassett Creek Watershed Management Commission
3.	Contact name: Laura Jester
4.	E-mail address:laura.jester@keystonewaters.com
5.	Funding: ☐ 319 ☐ CWP ☐ CWP Loan ☐ Clean Water Fund ☐ Other:
6.	Contract number: 93185
7.	MPCA Project Manager: Rachel Olmanson

II. Semi-annual Report Information

Effective date (mm/dd/yyyy):

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

Objective 1 Task A: Design Stormwater Reuse System and Raingardens - COMPLETE (Jan 2016)

Objective 1 Task B: Design Stormwater Treatment Pond West of Northwood Lake - COMPLETE (Jan 2016)

Objective 2: Construct water reuse system and raingardens - COMPLETE (Spring 2017)

Objective 2 Task A: Redirect storm sewer and install treatment structure - COMPLETE (Summer 2016)

Objective 2 Task B: Install underground storage tank for water reuse - COMPLETE (Summer 2016)

In the summer of 2016, work on the underground storage tank was completed including installation of piping and electrical wiring. The area around the tank was backfilled in August 2016.

Objective 2 Task C: Install water reuse piping and pump house for irrigation - COMPLETE (Spring 2017)

Final installation and testing of the piping and pumping mechanisms was completed in spring 2017. The irrigation system began operating in June 2017. During this reporting period, the storage tank and water reuse system captured 530,000 gallons of stormwater that were used to irrigate ballfields.

Objective 2 Task D: Install overflow raingardens and construct curb cut - COMPLETE (Spring 2017)

Raingardens excavation and grading was completed in August 2016 and plantings on the 1st and 3rd rain gardens were installed. A curb cut on Ensign Avenue constructed in summer 2016 was redesigned to a catch basin in the street that drains directly into the rain garden. Fescue seed was installed on the 2nd rain garden in spring 2017. Some replanting ocurred in spring and early summer 2017.

Objective 3 Task A: Construct storm water treatment pond west of Northwood Lake - COMPLETE (Summer 2016)

The construction of the pond is complete along with slope stabilization and seeding.

Objective 4 Task A: Educational sign design - ONGOING

The educational sign was designed and ordered in fall 2017. It will be manufactured, delivered and installed in spring 2018. Other education activities during the reporting period: In October 2017 a group of seventy 5th graders toured the park site

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	plant from	s for butterflies and bees. The gro their school. Also in October 2017	e tank, the benefits of the rain gardens for water treatment and the benefits of flowering oup also learned about how the storage tank and treatment pond hold all the runoff city staff met with a local Lego League team (eight 4th and 5th graders) to learn and how they could implement similar strategies at their own homes.
	Obje	ctive 5 Task A: Provide project ma	nagement and administration - ONGOING
			nanage the grant and coordinate certain components of the project including tracking s to the Bassett Creek Watershed Commissioners.
	Obje	ctive 5 Task B: Provide techincal r	eview of project - COMPLETE (May 2016)
	Obje	ctive 5 Task C: Perform grant rep	orting and invoicing - ONGOING
	The	BCWMC Administrator completed	and submitted the grant report due August 1, 2017.
2.	List	all products (documents, pamph	nlets, videos, maps, etc.) produced in this reporting period:
	Educ	cational sign designed and ordered	l. To be installed spring 2018.
	Upda	ated BCWMC webpage dedicated	to the project: http://www.bassettcreekwmo.org/index.php?cID=228
3.		lenges faced (optional):	
	No p	roblems or issues arose during this	s reporting period. Rain gardens and storage tank/irrigation system are working well.
1.	Sum	mary of monitoring data collecte	ed (if applicable):
	lake North wate	did not meet water quality standar nwood Lake ranged from a high of r quality monitoring report is found	
	-		cation/files/6814/8945/3994/2016_Northwood_Lake_Report.pdf.
		nwood Lake was monitored throug vailable.	h the Met Council's Citizen Assisted Monitoring Program in 2017 but results are not
	4a.	Have all monitoring stations be	een established in EQuIS?
	4b.	Are the data being routinely sub	omitted for storage into EQuIS? ☐ Yes ☐ No ☒ NA
		If yes, last submittal date (mm/dd/	уууу):
5.	Are t	the Best Management Practices	data being annually entered into eLINK)? ☐ Yes ☐ No ☒ N/A
		If yes, date last entered (mm/dd/yy	уу):
6.	During this reporting period, the stormwater tank ran 31 cycles to irrigate the ballfields. This is a total of about 530,000 gallons of water reuse. The only times city water was used to irrigate the fields was during a brief period where the tank was offline for maintenance, and during some work associated with a ballfield project that occurred in late October after the tank was winterized.		
		Phosphorus Load Reduction:	lbs./year
			lbs./year
			lbs./year
7.	Did		der or amendment for this project during this reporting period? No 🗵 Yes 🗌
		es, summarize those changes:	
	,	,	
8	List	t anticipated program objectives	or tasks to be completed during the next six (6) months please be specific):
	Fab	rication(and installation of the edu	cational sign. Submittal of final grant report.

2.

3.

4.

5.

III. Expenditure Information for this Period

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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.

Complete the table below:	Amount
Total Grant Amount	\$300,000.00
Total Match Amount (if applicable)	\$1,052,000.00
Total Project Amount	\$1,352,000.00
Grant Expenditures this period	\$502.50
Match Expenditures this period (if applicable)	\$0
Cumulative Grant Expenditures to date	\$297,144.75
Cumulative Match Expenditures to date (if applicable)	\$1,378,060.10
Total Cumulative Expenditures to date	\$1,675,204.85
Date form completed (mm/dd/yyyy): 1/25/2018	

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