



Board of Managers Meeting Agenda

Wednesday - February 9th, 2022 - 3:00 p.m.

Held Remotely Online

1. Call Meeting to Order
 - 1.1 Public Comment / Introductions
Audience members may address the Board regarding items not on the agenda. Please limit to three minutes.
 - 1.2 Approval of Agenda* (Additions/Corrections/Deletions) Action
2. Approve January 12th, 2022 Meeting Minutes - Chair* Action
3. Approve February 9th, 2022 Financial Summary & Invoices - Treasurer* Action
4. Authorize Peterson Co. Ltd. to Perform 2021 LMRWMO Financial Audit - SWCD* Action
5. Authorize Execution of Agreement with Ramsey County - SWCD* Action
6. Review Scope of Work for Lake Augusta Feasibility Study - SWCD* Discussion/Action
7. Watershed Management Plan Update
 - 7.1 Plan Update Status - Barr* Information
 - 7.2 Recap of Activities Since Last Board Meeting (TAC, CAC meetings) Information
 - 7.3 Board "Working Items" to Discuss Discussion
 - 7.4 Next Steps Information
8. Other Updates
 - 8.1 2021 Landscaping for Clean Water Summary - SWCD* Information
 - 8.2 2022 Landscaping for Clean Water Program Information - SWCD* Information
 - 8.3 Member City Updates Information
9. Agenda Items for Next Meeting: March 9th, 2022 - Held Remotely
10. Adjourn

*Materials included in full packet

**Materials available separately on website:

www.dakotacountyswcd.org/watersheds/lowermisswmo/agendas.html

Remote Zoom Meeting Information on Following Page.

Please note, the February 9th, 2022 LMRWMO Board meeting will take place via teleconference by phone and/or the web-based application, Zoom, at 3:00 pm. Please visit the meeting listing below for instructions on how to participate.

LMRWMO February 9th Board Meeting

Time: February 9, 2022: 03:00 - 5:30 PM

Join Zoom Meeting

<https://dakotacountymn.zoom.us/j/94323192853?pwd=MDIGaytVRXNCaUZITk80eHd6Wm5EZz09>

Meeting ID: 943 2319 2853

Passcode: 830394

Dial by your location

+1 651 372 8299 US (Minnesota)

Meeting ID: 943 2319 2853

Passcode: 830394



MEETING MINUTES

Board of Managers Regular Meeting

January 12, 2022 - 3:00 p.m.

Meeting Held Remotely Online

Managers and Alternates in Attendance:

Sharon Lencowski, Chair - Inver Grove Heights
Mary Jeanne Schneeman, Mendota Heights
Michael Randle, South Saint Paul
Shannon Nelson, Sunfish Lake

Karen Reid, Vice Chair - Saint Paul
Sheila Vanney, West St. Paul
Dan Halvorsen, Sunfish Lake

Advisors and Others in Attendance:

Tom Sutton, Lilydale
Ross Beckwith, West St. Paul
Ryan Ruzek, Mendota Heights
Joe Barten, Dakota County SWCD

Krista Spreiter, Mendota Heights
Sue Polka, South St. Paul
Greg Williams, Barr Engineering

1. Call Meeting to Order

The meeting was called to order by Chair Lencowski at 3:00 pm.

1.1 Public Comment / Introductions

Audience members may address the Board regarding items not on the agenda.

1.2 Approval of Agenda (Additions/Corrections/Deletions)

MOTION by Vanney to approve the agenda for the current meeting, second by Schneeman; Roll call approval by Lencowski, Schneeman, Reid, Vanney, Randle, Nelson; motion passed.

2. 2022 Election of Officers

Lencowski asked if there was any interest by other Board members in filling positions to please indicate as such.

MOTION by Schneeman to nominate Lencowski to serve as Board Chair for 2022, second by Randle. Lencowski agreed to continue as Board Chair. Roll call approval by Lencowski, Schneeman, Reid, Vanney, Randle, Nelson; motion passed.

MOTION by Randle to nominate Reid to serve as Board Vice-Chair for 2022, second by Schneeman. Reid agreed to continue as Vice-Chair. Roll call approval by Lencowski, Schneeman, Reid, Vanney, Randle, Nelson; motion passed.

MOTION by Randle to nominate Schneeman to serve as Board Secretary/Treasurer for 2022, second by Reid. Schneeman agreed to continue as Secretary/Treasurer. Roll call approval by Lencowski, Schneeman, Reid, Vanney, Randle, Nelson; motion passed.

3. Approval of the December 8th, 2021 Meeting Minutes

Lencowski asked if there were any changes to the previous meeting minutes. Reid noted she was not in attendance.

MOTION by Lencowski to approve the previous meeting minutes, second by Reid; Roll call approval by Lencowski, Schneeman, Reid, Vanney, Randle, Nelson; motion passed.

4. Approval of the January 12th, 2022 Financial Summary & Invoices

Spreiter summarized the information in the packet and recommended approval of the financial summary.

MOTION by Reid to approve the financial summary and invoices to be paid, second by Randle; Roll call approval by Lencowski, Schneeman, Reid, Vanney, Randle, Nelson; motion passed.

5. Metro Watershed Partners 2022 Program Participation

Barten noted that the LMRWMO has participated in this program, which includes distribution of stock social media outreach and the Adopt-a-Drain program, for over 5 years. He recommended participation again in 2022.

MOTION by Schneeman to participate in the 2022 Metro Watershed Partners program, second by Randle; Roll call approval by Lencowski, Schneeman, Reid, Vanney, Randle, Halvorsen; motion passed.

6. Illicit Discharge Video Participation

Barten summarized the information in the packet regarding a shared-cost video which could be used by all of the LMRWMO member Cities. Barten will bring an agreement between the video consultant and the LMRWMO to a future meeting for final approval.

MOTION by Reid to participate in the Illicit Discharge training video, second by Schneeman; Roll call approval by Lencowski, Schneeman, Reid, Vanney, Randle, Halvorsen; motion passed.

7. Review of Existing LMRWMO Goals, Strategies, and Policies

Williams summarized the information in the packet and along with the Board went through the individual items in the goals, strategies, and policies document for discussion.

8. Updates and Handouts

8.1 Watershed Plan Update Status

Williams provided an update on the plan update for the Board.

8.2 Other Updates / Member City Updates

Member City representatives provided updates on projects in their City.

9. Agenda Items for Next Meeting: February 9th, 2022 - Held Remotely

10. Adjourn

Meeting adjourned by Chair Lencowski at 5:15 pm.



FINANCIAL SUMMARY
January 13, 2022 to February 9, 2022

Beginning Balance - Key Community Bank **\$190,595.68**

<i>Interest</i>	12/31/2021 December 2021 Interest	+	\$9.31
		+	
		+	

Deposits		+	
		+	
		+	

To be approved at this meeting:

Key Community Bank:

Bank Fee	12/31/2021	December 2021 Paper Statement Fee	-	\$2.00
3738	2/9/2022	Metro Watershed Partners	-	\$1,000.00
3739	2/9/2022	Dakota County Soil & Water Conservation District	-	\$17,761.58
3740	2/9/2022	Barr Engineering	-	\$2,199.00
			-	

Available Balance at Key Community Bank **\$169,642.41**

Gateway Bank Accounts:

	<u>Savings</u>			\$71,405.29
Deposits	<i>Interest</i>	1/31/2022	+	\$24.25

<i>Ending Balance</i>	-	<u>\$71,429.54</u>
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	<u>Checking</u>			\$1,000.00
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<i>Ending Balance</i>	-	<u>\$1,000.00</u>
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Available Balance at Gateway Bank **\$72,429.54**

Available Balance - Key Community & Gateway Banks **\$242,071.95**

4th Generation Plan Balance for 2020 **\$45,000.00**

*Balance includes dedicated funds to 4th Generation Watershed Plan



MEMORANDUM

To: Nancy Bauer
From: Joe Barten, LMRWMO Administrator
Subject: Lower Mississippi River WMO - Financial Actions
Date: January 19, 2022

At the January 12, 2022 meeting, the LMRWMO Board approved participation in the Metro Watershed Partners Organization program for 2022, with dues totaling \$1,000.00.

Please prepare a check in the following amount:

- \$1,000.00 to the Metro Watershed Partners

Thank you and please contact me with any questions.

Joe Barten
Administrator via Dakota County SWCD
Lower Mississippi River Watershed Management Organization

Enclosed: 2022 Metro Watershed Partners Program Invoice

METRO WATERSHED PARTNERS



MINNESOTA WATER
LET'S KEEP IT CLEAN

INVOICE

651-523-2812

jl Larson25@hamline.edu

Metro Watershed Partners
Hamline University
1536 Hewitt Ave. MS-A1760
Saint Paul, MN 55104

Attention: Joe Barten
Lower Mississippi River WMO
4100 220th Street West, Suite 102
Farmington, MN 55024
Date: 12/17/21

Project Title: Clean Water Minnesota

Description	Cost
2022 Membership: Clean Water MN and Adopt-a-Drain	\$1,000.00
TOTAL	\$1,000.00

Benefits of membership

- You and your colleagues are invited to attend our monthly meetings, to network and share information with other watershed education professionals, and to hear monthly speakers on topics relevant to our work. The Watershed Partners meet on the second Wednesday of the month from 9 – 11am. Right now all meetings are held on Zoom.
- You and your colleagues are invited to be added to our listserv on Mobilize, where you can receive meeting notifications and partner updates, and send messages to, and receive announcements from, other partners. If you would like to be added to Mobilize, please email Jana Larson (jl Larson25@hamline.edu) and request to be added.
- Your organization will be listed as a supporting partner on cleanwatermn.org/about-us
- Your organization will be listed as a supporting partner on adopt-a-drain.org whenever someone clicks on a drain in your service area, and on email communication to adopters in your area.
- You will have access to an administrative portal on Adopt-a-Drain.org that allows you to access data about drains and program participants in your area.
- You will receive an annual report that includes summary data about drains and program participants in your area.
- You are able to access print resources to promote Adopt-a-Drain to residents in your area here: <https://www.cleanwatermn.org/partners/adopt-a-drain-resources/> (password: CleanWater)
- Portable educational exhibits are available for checkout. Find more information at: <https://www.cleanwatermn.org/partners/>
- For an additional fee, participants in your area can receive yard signs and a printed "welcome kit" in the mail. Please contact Jana Larson for more information.

Duration of service: January 1 - December 31st, 2022. Unspent funds will rollover to support program activities in 2023.

Adopt-a-Drain in Lower Mississippi River WMO

2021 Annual Report

39
new participants
in 2021

85
drains adopted
in 2021



Adopt a Storm Drain
adopt-a-drain.org

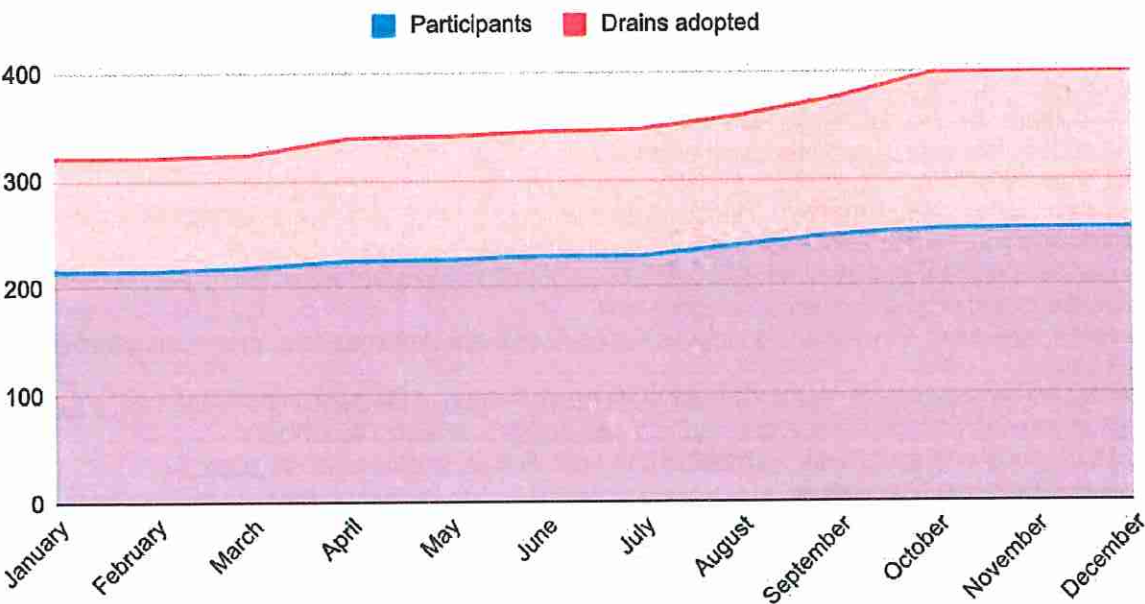


254
total participants

400
total adoptions



New participants and drains adopted in Lower Mississippi, 2021



2021 Reporting Data

72 Lower Mississippi participants reported cleanings, which represents 28.4% of all participants in the watershed.

Lower Mississippi participants collected 2,393.8 lbs of debris from their adopted storm drains in 2021.

Debris Type	Amount (lbs)
Brown leaves	1,386.4
Grass and green leaves	216.2
Sediment and dirt	700.4
Trash	70.3
Salt	20.5



In 2020, the total amount reported was 4,458.25 lbs.

Month	New participants	Drains adopted	Debris collected (lbs)	Time spent (hours)
January*	1	6	674.5	31.7
February			56.6	2.0
March	3	3	221.7	7.3
April	6	15	26.5	4.2
May	1	2	127.3	9.9
June	3	4	43.3	3.7
July	0	2	63.1	5.6
August	10	12	90.0	5.8
September	9	17	43.9	5.5
October	5	23	565.6	20.1
November	1	1	481.3	12.6
December				
TOTALS	39	85	2,393.8	108.4

*January total includes year-end reports from 2020.

Geographic Breakdown: City and Subwatershed

Drains adopted: Cumulative total

Debris collected: 2021 data only.

City	Drains adopted	Debris collected (lbs)	Time spent (hours)
Mendota Heights	128	1,291.44	69.1
West St. Paul	107	707.2	17.8
St. Paul	104	270.3	15.7
South St. Paul	30	59	1.9
Inver Grove Heights	29	4.3	0.7
Lilydale	2	61.6	3.0

Subwatershed	Drains adopted	Debris collected (lbs)	Time spent (hours)
City of St. Paul- Mississippi River	346	2,274.7	101.4
Lock and Dam No 2- Mississippi River	48	103.5	5.5
Gun Club Lake / Minnesota River	3	14.7	1.1
Rich Valley / Vermillion River	3	0.9	0.2



Invoice

Dakota County Soil & Water Conservation District

4100 220th Street West, Ste 102
651-480-7777
Farmington, MN 55024

DATE	INVOICE #
12/31/2021	3163

BILL TO

Lower Mississippi River WMO
City of Mendota Heights
Nancy Bauer
1101 Victoria Curve
Mendota Heights, MN 55118

Reference

TERMS

ITEM CODE	DESCRIPTION	HOURS	RATE	AMOUNT
	Watershed Based Funding Grant October 3 to December 31, 2021			
LMR CWF WBF	ADMINISTRATION:		0.00	0.00
LMR CWF WBF	EDUCATION PROGRAMS - PROJECT DEVELOPMENT: Fortin Consulting meeting preparation, chloride, research, scope of work discussion. Young Consulting meeting and preparation on educational programs. (43.00 Hours)		3,258.97	3,258.97
LMR CWF WBF	EDUCATION PROGRAMS - STENCILING PROGRAM: Coordination with Young Consulting on Scope of Work. (6.50 Hours)		492.64	492.64
LMR CWF WBF	LAKE AGUSTA STUDY: Review Barr proposal, comments on scope of work. Site visit with residents on cemetery backflusing. (8.50 Hours)		644.22	644.22
LMR CWF WBF	INTERSTATE VALLEY CREEK: 58.00 Hours at BWSR Required Billable Rate.			0.00

Total \$4,395.83



**Dakota County Soil & Water
Conservation District**

**4100 220th Street West, Ste 102
651-480-7777
Farmington, MN 55024**

Invoice

DATE	INVOICE #
12/31/2021	3162

BILL TO

Lower Mississippi River WMO
City of Mendota Heights
Nancy Bauer
1101 Victoria Curve
Mendota Heights, MN 55118

Reference	TERMS

ITEM CODE	DESCRIPTION	HOURS	RATE	AMOUNT
	October - December 2021			
Lower Mississi...	ADMINISTRATIVE ASSISTANCE: Board Meeting coordination, packets prepared, financial information prepared, attend meetings, follow-up coordination (Oct 13, Dec 8, Jan 12). Coordinate Pine Bend meeting with stakeholders. Mendota Heights MnDOT Project coordination. MPCA Sunfish Lake interview and story with BWSR. Watershed Based Incentive Funding coordination and presentation to Board. Website Design coordination.	65	80.00	5,200.00
Lower Mississi...	Printing, Paper, Postage Expense		50.00	50.00
Lower Mississi...	EDUCATION AND OUTREACH ASSISTANCE: Master Water Stewards Program Coordination	1.5	80.00	120.00
Lower Mississi...	Website Updates	6	80.00	480.00
Lower Mississi...	Website Hosting		900.00	900.00
LMR WMO P	TECHNICAL ASSISTANCE AND PROJECT IMPLEMENTATION: Landscaping for Clean Water Grants: Kringle, Kunkel, Najjar, Wier, Cuellar, Heisel		1,500.00	1,500.00
Lower Mississi...	LCW Grants Technical Assistance: Kringle, Kunkel, Najjar, Wier, Cuellar, Heisel		3,000.00	3,000.00
Lower Mississi...	LAKE WATER MONITORING: Citizen Assisted Monitoring Program	6.5	80.00	520.00
Lower Mississi...	Lab Analysis 04/01/2021-09/30/2021		1,665.75	1,665.75
Lower Mississi...	Lab Analysis 10/01/2021-12/31/2021 Accrual		330.00	330.00
Lower Mississi...	Thompson Lake Chloride Water Monitoring	2.5	80.00	200.00
Lower Mississi...	Thompson Lake Chloride Water Monitoring (Adjustment)	-7.5	80.00	-600.00

Thank you.

Total 13,365.75



**Dakota County Soil & Water
Conservation District**

**4100 220th Street West, Ste 102
651-480-7777
Farmington, MN 55024**

Invoice

DATE	INVOICE #
12/31/2021	3162

BILL TO

Lower Mississippi River WMO
City of Mendota Heights
Nancy Bauer
1101 Victoria Curve
Mendota Heights, MN 55118

Reference

TERMS

ITEM CODE	DESCRIPTION	HOURS	RATE	AMOUNT
	<p>Amount Over Annual Agreement - \$2,430.47</p> <p>The LMRWMO and Dakota County SWCD executed an agreement for 2021 services on 1-8-21. The LMRWMO is only obligated to reimburse the Dakota County SWCD \$10,935.28, per the agreement not to exceed amount.</p> <p>However, additional work required in 2021 which was outside the original scope of the 2021 agreement includes closeout of the Board of Water and Soil Resources (BWSR) Clean Water Fund Grants for the Cherokee Heights Ravine Stabilization (\$700,000) and Thompson Lake Stormwater Improvements (\$576,000) grants, which took up a significant amount of Admin time in Q1 of 2021 on final grant reporting outside of the grant period. Additionally, the LMRWMO Board approved submittal of the Seilds Lake grant application in 2021, which required significant Administration time in creation and submittal of that successful \$382,000 MN DNR Conservation Partners Legacy grant application. The LMRWMO Board also authorized the Administrator to use time in coordination with stakeholders to move forward a solution on the Pine Bend ravine stabilization.</p> <p>The Dakota County SWCD respectfully requests reimbursement for expenses as shown on this invoice, which are \$2,430.47 over the 2021 LMRWMO/Dakota County SWCD annual agreement amount.</p>			

Thank you.

Total **\$13,365.75**

KRINGLE RESIDENTIAL RAINGARDEN

DAKOTA COUNTY

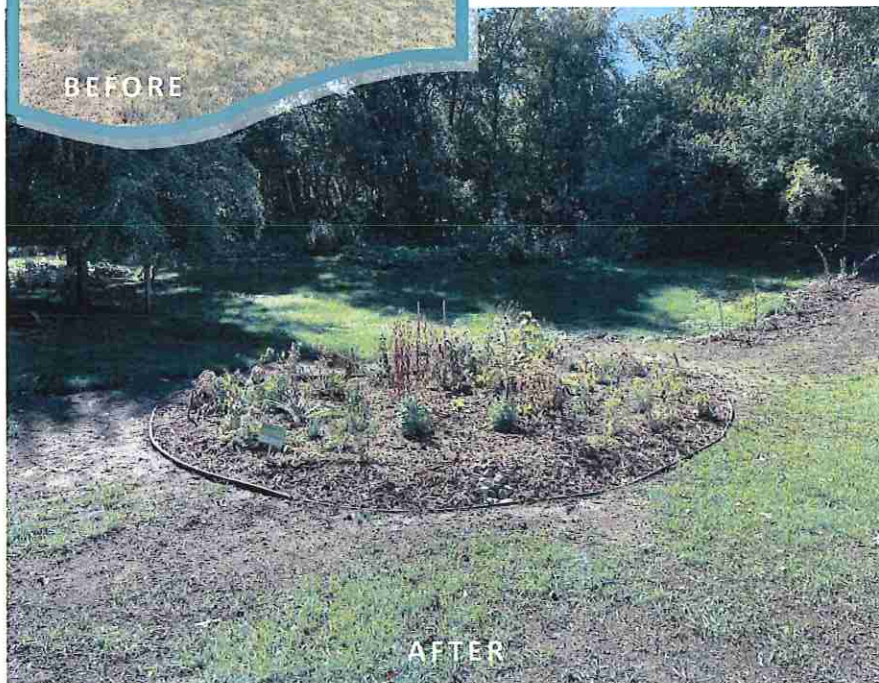


SOIL & WATER
CONSERVATION DISTRICT



BEFORE

A raingarden is a shallow depression that captures rainwater, removes pollutants, and soaks the water into the ground.



AFTER

PROJECT: Installation of a 200 sq. ft. residential raingarden.

COST: Project materials cost estimated at \$934

FUNDING: Landowners receive a \$250 Landscaping for Clean Water grant as well as technical assistance provided by the Dakota County Soil and Water Conservation District

PRACTICE:

- Raingarden

BENEFITS:

- Runoff volume reduction
- Improved water quality
- Improved wildlife habitat
- Opportunity for public education and outreach
- Improved aesthetics

PARTNERS:

- Lower Mississippi River Watershed Management Organization

WATERSHED:

- Lower Mississippi River

INSTALLATION:

- Summer 2021

LMR WMO
LOWER MISSISSIPPI RIVER
WATERSHED MANAGEMENT ORGANIZATION

LOCATION:
Apache Lane
Mendota Heights



KUNKEL RESIDENTIAL RAINGARDEN

DAKOTA COUNTY

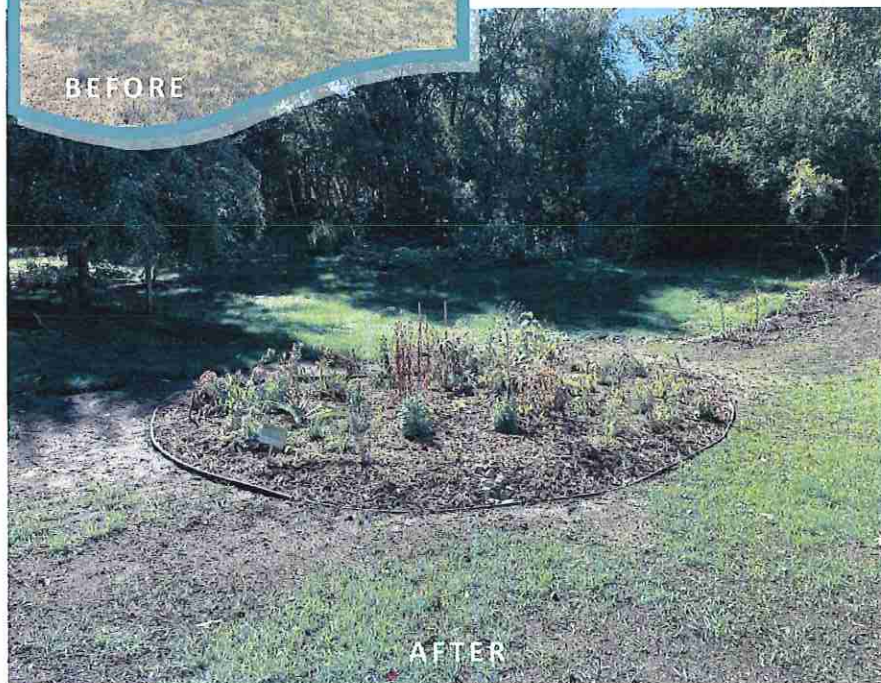


SOIL & WATER
CONSERVATION DISTRICT



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PARTNERS:

- Lower Mississippi River Watershed Management Organization

WATERSHED:

- Lower Mississippi River

INSTALLATION:

- Summer 2021

LMR WMO
LOWER MISSISSIPPI RIVER
WATERSHED MANAGEMENT ORGANIZATION

LOCATION:
Apache Lane
Mendota Heights



NAJJAR

RESIDENTIAL NATIVE PLANTING

DAKOTA COUNTY

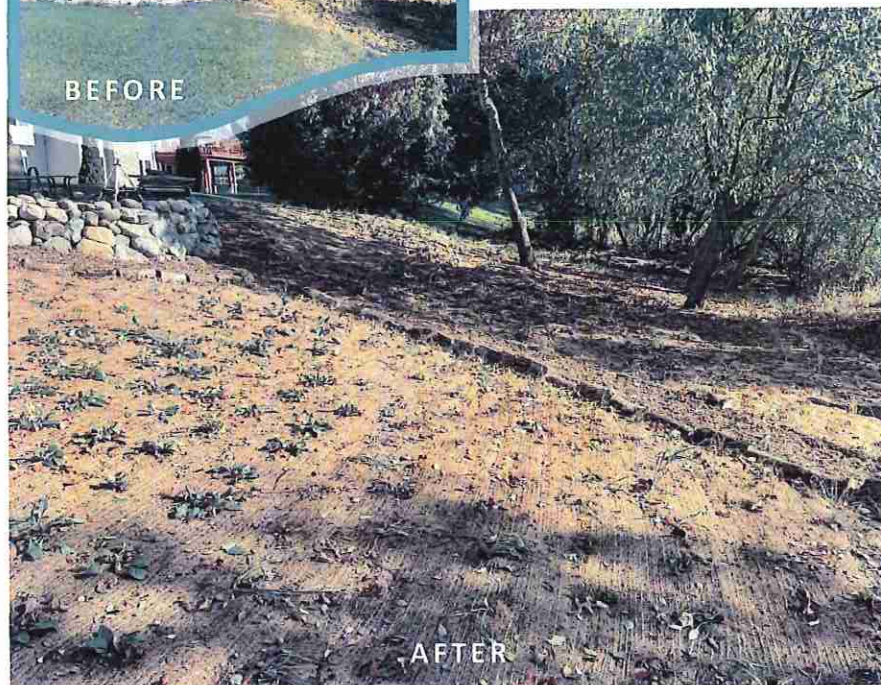


— SOIL & WATER —
CONSERVATION DISTRICT



BEFORE

A native planting, also called natural landscaping, uses plants, trees and grasses that are suitable for growth in a particular geographical area



AFTER

PROJECT: Installation of a 2,500 sq. ft. residential native planting

COST: Project materials cost estimated at \$2,200

FUNDING: Landowners receive a \$250 Landscaping for Clean Water grant as well as technical assistance provided by the Dakota County Soil and Water Conservation District

LMR WMO
LOWER MISSISSIPPI RIVER
WATERSHED MANAGEMENT ORGANIZATION

LOCATION:

Bridgeview Court
Mendota Heights



PRACTICE:

- Native Planting

BENEFITS:

- Runoff volume reduction
- Slope stabilization
- Improved wildlife habitat
- Opportunity for public education and outreach
- Improved aesthetics

PARTNERS:

- Lower Mississippi River Watershed Management Organization

WATERSHED:

- Lower Mississippi River

INSTALLATION:

- Summer 2021

WIER

RESIDENTIAL NATIVE PLANTING

DAKOTA COUNTY

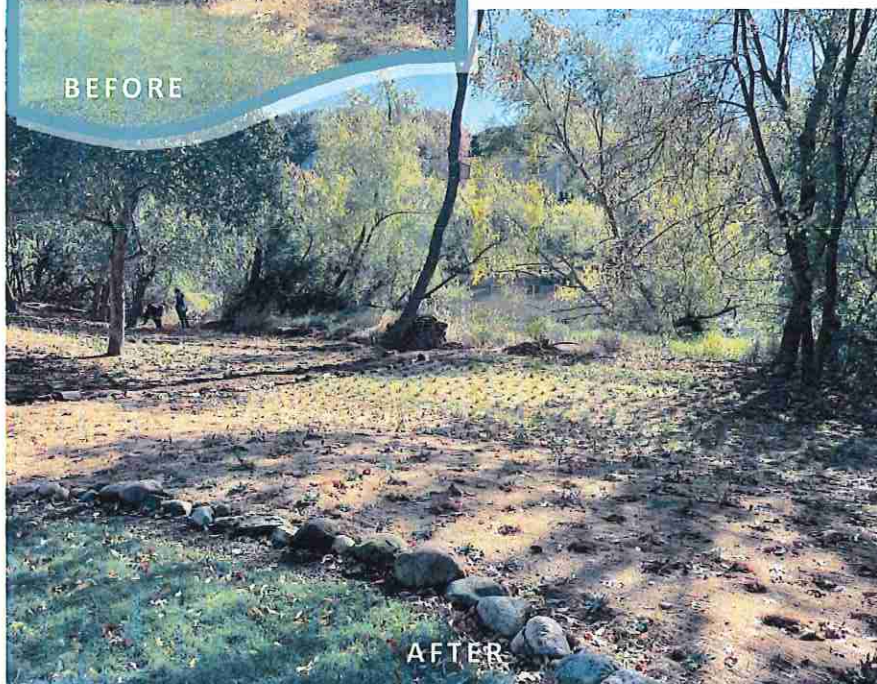


SOIL & WATER
CONSERVATION DISTRICT



BEFORE

A native planting, also called natural landscaping, uses plants, trees and grasses that are suitable for growth in a particular geographical area



AFTER

PROJECT: Installation of a 1,750 sq. ft. residential native planting

COST: Project materials cost estimated at \$1,950

FUNDING: Landowners receive a \$250 Landscaping for Clean Water grant as well as technical assistance provided by the Dakota County Soil and Water Conservation District

PRACTICE:

- Native Planting

BENEFITS:

- Runoff volume reduction
- Slope stabilization
- Improved wildlife habitat
- Opportunity for public education and outreach
- Improved aesthetics

PARTNERS:

- Lower Mississippi River Watershed Management Organization

WATERSHED:

- Lower Mississippi River

INSTALLATION:

- Summer 2021

LMR WMO
LOWER MISSISSIPPI RIVER
WATERSHED MANAGEMENT ORGANIZATION

LOCATION:

Bridgeview Court
Mendota Heights



PROJECT FACTSHEET

CUELLAR

RESIDENTIAL NATIVE GARDEN

DAKOTA COUNTY



SOIL & WATER
CONSERVATION DISTRICT



BEFORE

A native garden, also called natural landscaping, uses plants, trees and grasses that are suitable for growth in a particular geographical area



AFTER

PROJECT: Installation of a 150 sq. ft. residential native garden.

COST: Project materials cost estimated at \$475

FUNDING: Landowners receive a \$250 Landscaping for Clean Water grant as well as technical assistance provided by the Dakota County Soil and Water Conservation District

PRACTICE:

- Native Garden

BENEFITS:

- Runoff volume reduction
- Slope stabilization
- Improved wildlife habitat
- Opportunity for public education and outreach
- Improved aesthetics

PARTNERS:

- Lower Mississippi River Watershed Management Organization

WATERSHED:

- Lower Mississippi River

INSTALLATION:

- Summer 2021

LMR WMO
LOWER MISSISSIPPI RIVER
WATERSHED MANAGEMENT ORGANIZATION

LOCATION:

Cherry Hill Road
Mendota Heights



HEISEL

RESIDENTIAL NATIVE GARDEN

DAKOTA COUNTY



— SOIL & WATER —
CONSERVATION DISTRICT



BEFORE

A native garden, also called natural landscaping, uses plants, trees and grasses that are suitable for growth in a particular geographical area



AFTER

PROJECT: Installation of a 175 sq. ft. residential native garden.

COST: Project materials cost estimated at \$278

FUNDING: Landowners receive a \$250 Landscaping for Clean Water grant as well as technical assistance provided by the Dakota County Soil and Water Conservation District

LMR WMO
LOWER MISSISSIPPI RIVER
WATERSHED MANAGEMENT ORGANIZATION

LOCATION:

Page Street West
St Paul

PRACTICE:

- Native Garden

BENEFITS:

- Runoff volume reduction
- Slope stabilization
- Improved wildlife habitat
- Opportunity for public education and outreach
- Improved aesthetics

PARTNERS:

- Lower Mississippi River Watershed Management Organization

WATERSHED:

- Lower Mississippi River

INSTALLATION:

- Summer 2021

**INVOICE**

Invoice No:
Invoice Date:
Page:

0001130453
9/30/21
1 of 1

Please Remit To:
Metropolitan Council
Environmental Services
PO Box 856513
Minneapolis MN 55485-6513
United States

Customer Number: 7163
Payment Terms: Due 30 dys
Due Date: 10/30/21

Bill To:
DAKOTA CTY SOIL & WATER CONSERV. DIST
LINDSEY ALBRIGHT
4100 220th St W, #102
Farmington MN 55024
United States

AMOUNT DUE: \$ 9,238.25 USD

Amount Remitted

For account questions: melcar@metc.state.mn.us

Line	Identifier	Description	Quantity	UOM	Unit Amt	Original
						Net Amount
1	LAB	Lab Analysis	1.00	EA	1,239.50	1,239.50
2	LAB	Lab Analysis	1.00	EA	6,207.75	6,207.75
3	LAB	Lab Analysis	1.00	EA	1,131.00	1,131.00
4	LAB	Lab Analysis	1.00	EA	660.00	660.00

Project 5514-01-01 Dakota County SWCD - 01
Project 5514-01-02 Dakota County SWCD - 02
Project 5514-01-03 Dakota County SWCD - 03
Project 5514-19-01 Dakota County SWCD: Volunteer Stream Monitoring Project LMRWMO

Subtotal:

9,238.25

For the period of 4/1/21-6/30/21
Questions? Contact Sarah Voht at 612-269-9672 or sarah.voht@metc.state.mn.us.

PAYMENTS ACCEPTED VIA CHECK OR EFT

ANY UNPAID BALANCE OVER 30 DAYS FROM DATE OF INVOICE WILL BE SUBJECT TO A FINANCE CHARGE AT THE RATE OF 1.5% PER MONTH (18% PER YEAR)

Amount Due:

\$ 9,238.25

\$956.75 DC Parks Expense
\$282.75 NCR WMO Expense
\$6,207.75 VRW JPO Expense
\$1,131.00 DC Parks Expense
\$660.00 LMR WMO Expense

5514-01-03**Dakota County SWCD: CHUB Creek Watershed Assessment**

Analysis	Description	Login Quarter	Count of Tests	Total Charge per Analysis
CLA-TR-CS	Chlorophylls (sonify); trichrom a; b and c; -mono chrom- pheophytin corrected and viability indicators; extraction by sonification in 90% acetone.	2	12	\$186.00
ECOLI-MPNT	E. coli bacteria count; multiple tube fermentation, Quanti-Tray Method	2	12	\$339.00
N_N-AV2	Nitrate/Nitrite-N; 48 hour hold time; discrete analyzer	2	12	\$93.00
NUT-AV	Kjeldahl Nitrogen and Phosphorus; total; autoanalysis by volume	2	12	\$183.00
P-AV	Phosphorus; total; autoanalysis by volume	2	12	\$183.00
TSSVSS-GF	Suspended and volatile suspended solids	2	12	\$147.00
Total Project Charge:				\$1,131.00

Jobs Included

5514-01-03. 100
 5514-01-03. 101
 5514-01-03. 99

DC Park Expense

5514-19-01**Dakota County SWCD: Volunteer Stream Monitoring Project LMRWMO**

Analysis	Description	Login Quarter	Count of Tests	Total Charge per Analysis
CLA-TR-CS	Chlorophylls (sonify); trichrom a; b and c; -mono chrom- pheophytin corrected and viability indicators; extraction by sonification in 90% acetone.	2	6	\$93.00
CL-AV2	Chloride ion; autoanalysis by volume; discrete analyzer	2	6	\$94.50
ECOLI-MPNT	E. coli bacteria count; multiple tube fermentation, Quanti-Tray Method	2	6	\$169.50
N_N-AV2	Nitrate/Nitrite-N; 48 hour hold time; discrete analyzer	2	6	\$46.50
NUT-AV	Kjeldahl Nitrogen and Phosphorus; total; autoanalysis by volume	2	6	\$91.50
P-AV	Phosphorus; total; autoanalysis by volume	2	6	\$91.50
TSSVSS-GF	Suspended and volatile suspended solids	2	6	\$73.50
Total Project Charge:				\$660.00

Jobs Included

5514-19-01. 8
 5514-19-01. 9

LMR WMO Expense

**INVOICE**

Invoice No:
Invoice Date:
Page:

0001133850
12/21/21
1 of 1

Please Remit To:

Metropolitan Council
Environmental Services
PO Box 856513
Minneapolis MN 55485-6513
United States

Customer Number:
Payment Terms:
Due Date:

7163
Due 30 dys
1/20/22

Bill To:

DAKOTA CTY SOIL & WATER CONSERV. DIST
LINDSEY ALBRIGHT
4100 220th St W, #102
Farmington MN 55024
United States

AMOUNT DUE: \$ 8,681.50 USD

Amount Remitted

For account questions: metcar@metc.state.mn.us

Line	Identifier	Description	Quantity	UOM	Unit Amt	Original
						Net Amount
1	LAB	Lab Analysis	1.00	EA	1,162.00	1,162.00
2	LAB	Lab Analysis	1.00	EA	5,367.00	5,367.00
3	LAB	Lab Analysis	1.00	EA	1,131.00	1,131.00
4	LAB	Lab Analysis	1.00	EA	990.00	990.00
5	LAB	Lab Analysis	1.00	EA	31.50	31.50

Project 5514-01-01 Dakota County SWCD - 01
Project 5514-01-02 Dakota County SWCD - 02
Project 5514-01-03 Dakota County SWCD - 03
Project 5514-19-01 Dakota County SWCD: Volunteer Stream Monitoring Project LMRWMO
Project 5514-01-07 Dakota County SWCD: Thompson Lake Monitoring

Subtotal:

8,681.50

For the period of 7/1-9/30
Questions? Contact Sarah Voith at 612-269-9672 or sarah.voith@metc.state.mn.us.

PAYMENTS ACCEPTED VIA CHECK OR EFT

ANY UNPAID BALANCE OVER 30 DAYS FROM DATE OF INVOICE WILL BE SUBJECT TO A FINANCE CHARGE AT THE RATE OF 1.5% PER MONTH (18% PER YEAR)

Amount Due:

\$5,367.00 VRW JPO Expense
\$1,131.00 DC Parks Expense (Chub)
\$879.25 DC Parks Expense (Pine and Trout)
\$15.75 DC Parks (Thompson Lake)
\$15.75 LMR WMO (Thompson Lake)
\$990.00 LMR WMO (Stream Monitoring)
\$282.75 NCR WMO (Pine and Trout)

\$ 8,681.50

5514-01-03

Dakota County SWCD: CHUB Creek Watershed Assessment

Analysis	Description	Login Quarter	Count of Tests	Total Charge per Analysis
CLA-TR-CS	Chlorophylls (sonify); trichrom a; b and c; -mono chrom- pheophytin corrected and viability indicators; extraction by sonification in 90% acetone.	3	12	\$188.00
ECOLI-MPNT	E. coli bacteria count; multiple tube fermentation, Quanti-Tray Method	3	12	\$339.00
N_N-AV2	Nitrate/Nitrite-N; 48 hour hold time; discrete analyzer	3	12	\$93.00
NUT-AV	Kjeldahl Nitrogen and Phosphorus; total; autoanalysis by volume	3	12	\$183.00
P-AV	Phosphorus; total; autoanalysis by volume	3	12	\$183.00
TSSVSS-GF	Suspended and volatile suspended solids	3	12	\$147.00
Total Project Charge:				\$1,131.00

Jobs Included	
5514-01-03.	102
5514-01-03.	103
5514-01-03.	104

5514-01-07

Dakota County SWCD: Thompson Lake Monitoring Project

Analysis	Description	Login Quarter	Count of Tests	Total Charge per Analysis
CL-AV2	Chloride ion; autoanalysis by volume; discrete analyzer	3	2	\$31.50
Total Project Charge:				\$31.50

Jobs Included	
5514-01-07.	24

\$15.75 DC Parks Expense
\$15.75 LMR WMO Expense

5514-19-01

Dakota County SWCD: Volunteer Stream Monitoring Project LMRWMO

Analysis	Description	Login Quarter	Count of Tests	Total Charge per Analysis
CLA-TR-CS	Chlorophylls (sonify); trichrom a; b and c; -mono chrom- pheophytin corrected and viability indicators; extraction by sonification in 90% acetone.	3	9	\$139.50
CL-AV2	Chloride ion; autoanalysis by volume; discrete analyzer	3	9	\$141.75
ECOLI-MPNT	E. coli bacteria count; multiple tube fermentation, Quanti-Tray Method	3	9	\$254.25
N_N-AV2	Nitrate/Nitrite-N; 48 hour hold time; discrete analyzer	3	9	\$69.75
NUT-AV	Kjeldahl Nitrogen and Phosphorus; total; autoanalysis by volume	3	9	\$137.25
P-AV	Phosphorus; total; autoanalysis by volume	3	9	\$137.25
TSSVSS-GF	Suspended and volatile suspended solids	3	9	\$110.25
Total Project Charge:				\$990.00

Jobs Included	
5514-19-01.	10
5514-19-01.	11
5514-19-01.	13

**INVOICE**

Invoice No: 0001130453
Invoice Date: 9/30/21
Page: 1 of 1

Please Remit To:

Metropolitan Council
Environmental Services
PO Box 856513
Minneapolis MN 55485-6513
United States

Customer Number:

7163

Payment Terms:

Due 30 dys

Due Date:

10/30/21

Bill To:

DAKOTA CTY SOIL & WATER CONSERV. DIST
LINDSEY ALBRIGHT
4100 220th St W, #102
Farmington MN 55024
United States

AMOUNT DUE: \$ 9,238.25 USD*BW*
ASD

Amount RemittedFor account questions: metcar@metc.state.mn.us

Line	Identifier	Description	Quantity	UOM	Unit Amt	Original Net Amount
1	LAB	Lab Analysis	1.00	EA	1,239.50	1,239.50
2	LAB	Lab Analysis	1.00	EA	6,207.75	6,207.75
3	LAB	Lab Analysis	1.00	EA	1,131.00	1,131.00
4	LAB	Lab Analysis	1.00	EA	660.00	660.00

Project 5514-01-01 Dakota County SWCD - 01
Project 5514-01-02 Dakota County SWCD - 02
Project 5514-01-03 Dakota County SWCD - 03
Project 5514-19-01 Dakota County SWCD: Volunteer Stream Monitoring Project LMRWMO

Subtotal:

9,238.25

For the period of 4/1/21-6/30/21

Questions? Contact Sarah Voith at 612-269-9672 or sarah.voith@metc.state.mn.us.

PAYMENTS ACCEPTED VIA CHECK OR EFT

ANY UNPAID BALANCE OVER 30 DAYS FROM DATE OF INVOICE WILL BE SUBJECT TO A FINANCE CHARGE AT THE RATE OF 1.5% PER MONTH (18% PER YEAR)

Amount Due:**\$ 9,238.25**

\$956.75 DC Parks Expense
\$282.75 NCR WMO Expense
\$6,207.75 VRW JPO Expense
\$1,131.00 DC Parks Expense
\$660.00 LMR WMO Expense

Total Charge Per Project	
5514-19-01	\$660.00

5514-19-01

**Dakota County SWCD: Volunteer Stream Monitoring Project
LMRWMO**

Analysis	Description	Login Quarter	Count of Tests	Total Charge per Analysis
CLA-TR-CS	Chlorophylls (sonify): trichrom a; b and c; -mono chrom- pheophytin corrected and viability indicators;extraction by sonification in 90% acetone.	2	6	\$93.00
CL-AV2	Chloride ion; autoanalysis by volume; discrete analyzer	2	6	\$94.50
ECOLI-MPNT	E. coli bacteria count; multiple tube fermentation, Quanti-Tray Method	2	6	\$169.50
N_N-AV2	Nitrate/Nitrite-N;48 hour hold time;discrete analyzer	2	6	\$46.50
NUT-AV	Kjeldahl Nitrogen and Phosphorus; total; autoanalysis by volume	2	6	\$91.50
P-AV	Phosphorus; total; autoanalysis by volume	2	6	\$91.50
TSSVSS-GF	Suspended and volatile suspended solids	2	6	\$73.50

Total Project Charge: \$660.00

Jobs Included

5514-19-01.	8	12-May
5514-19-01.	9	12-Jun

LMR WMO Expense

144DESIGN, INC

8823 Shadyview Lane North
Maple Grove, MN 55311-1492
(612)708-7004
samuel@144design.com

144design

INVOICE

BILL TO

David Holmen
Dakota County SWCD
4100 220th Street West
Farmington, MN 55024 Dakota

INVOICE # 21-165003**DATE 12/06/2021****DUE DATE 01/05/2022****TERMS Net 30**

DATE	SERVICE	QTY	RATE	AMOUNT
	Web Design	31.6667	75.00	2,375.00
	Black Dog WMO site Design/Setup			
	Web Hosting	12	75.00	900.00
	Blackdog WMO			
	Annual Hosting Contract:			
	• Hosting of website on secure managed server			
	• Quarterly server updates			
	• Quarterly Wordpress updates			
	Security Monitor	12	20.00	240.00
	Sucuri Monitoring System			
	Let's Encrypt SSL Certificate			
	Website Application Firewall (WAF) /			
	Intrusion Prevention System (IPS)			
	Misc Fees	1	125.00	125.00
	SSL certificate			
	-			
	Web Design	31.6667	75.00	2,375.00
	Eagan Inver Grove WMO Site Design/Setup			
	Web Hosting	12	75.00	900.00
	Eagan-Inver Grove Heights			
	Annual Hosting Contract:			
	• Hosting of website on secure managed server			
	• Quarterly server updates			
	• Quarterly Wordpress updates			
	Security Monitor	12	20.00	240.00
	Sucuri Monitoring System			
	Let's Encrypt SSL Certificate			
	Website Application Firewall (WAF) /			
	Intrusion Prevention System (IPS)			

NOTE:

Please make checks payable to : 144DESIGN, INC
(EIN:46-2308099) Creative work provided for the nontaxable advertising service.

DATE	SERVICE	QTY	RATE	AMOUNT
	Misc Fees	1	125.00	125.00
	SSL certificate			
	-			
	Web Design	31.6667	75.00	2,375.00
	Lower Miss WMO Site Design/Setup			
	Web Hosting	12	75.00	900.00
	Lower Mississippi River			
	Annual Hosting Contract:			
	• Hosting of website on secure managed server			
	• Quarterly server updates			
	• Quarterly Wordpress updates			
	Security Monitor	12	20.00	240.00
	Sucuri Monitoring System			
	Let's Encrypt SSL Certificate			
	Website Application Firewall (WAF) /			
	Intrusion Prevention System (IPS)			
	Misc Fees	1	125.00	125.00
	SSL certificate			
	-			
	Web Design	31.6667	75.00	2,375.00
	North Cannon WMO Site Design/Setup			
	Web Hosting	12	75.00	900.00
	North Cannon River			
	Annual Hosting Contract:			
	• Hosting of website on secure managed server			
	• Quarterly server updates			
	• Quarterly Wordpress updates			
	Security Monitor	12	20.00	240.00
	Sucuri Monitoring System			
	Let's Encrypt SSL Certificate			
	Website Application Firewall (WAF) /			
	Intrusion Prevention System (IPS)			
	Misc Fees	1	125.00	125.00
	SSL Certificate			

Thank you for your business!
providing the creative work for the nontaxable advertising service.

BALANCE DUE

\$14,560.00

\$3,640.00 Black Dog WMO
\$3,640.00 E-IGH WMO
\$3,640.00 LMR WMO
\$3,640.00 NCR WMO

NOTE:

Please make checks payable to : 144DESIGN, INC
(EIN:46-2308099) Creative work provided for the nontaxable advertising service.

Description	Cost/sample	DC Parks				NCRWMIO		LMRWMIO		VRW/JPO	
		Chub	Chub Cost	TB	TB Cost	Pine	Pine Cost	Streams	Streams Cost	Vermillion	VR Cost
Chlorophylls (sonify): trichrom a; b and c; -mono chrom- pheophytin corrected and viability indicators; extraction by sonification in 90% acetone.	15.5	4	\$62.00	3	\$46.50	1	\$15.50	3	\$46.50	23	\$356.50
Chloride ion; autoanalysis by volume; discrete analyzer	15.75							3	\$47.25	15	\$236.25
E. coli bacteria count; multiple tube fermentation, Quanti-Tray	28.25	4	\$113.00	3	\$84.75	1	\$28.25	3	\$84.75	23	\$649.75
Method											
Nitrate/Nitrite-N:48 hour hold time; discrete analyzer	7.75	4	\$31.00	10	\$77.50	1	\$7.75	3	\$23.25	23	\$178.25
Kjeldahl Nitrogen and Phosphorus; total; autoanalysis by	15.25	4	\$61.00	3	\$45.75	1	\$15.25	3	\$45.75	23	\$350.75
Phosphorus; total; autoanalysis by volume	15.25	4	\$61.00	3	\$45.75	1	\$15.25	3	\$45.75	23	\$350.75
Suspended and volatile suspended solids	12.25	4	\$49.00	3	\$36.75	1	\$12.25	3	\$36.75	23	\$281.75
			\$377.00				\$94.25		\$330.00		\$2,404.00
					\$714.00						



INVOICE

Please note our new remittance address

Barr Engineering Co.
4300 MarketPointe Drive, Suite 200
Minneapolis, MN 55435
Phone: 952-832-2600; Fax: 952-832-2601
FEIN #: 41-0905995 Inc: 1966

Remittance address:
Lockbox 446104
PO Box 64825
St Paul, MN 55164-0825

Mr. Joe Barten
Lower Mississippi River Water Mgmt. Org.
c/o Dakota County SWCD
Suite 102
4100 220th Street West
Farmington, MN 55024

January 31, 2022
Invoice No: 23191436.00 - 14

Total this Invoice \$1,038.00

Regarding: Fourth generation update to the Lower Mississippi River WMO Watershed Management Plan

This invoice is for professional services, which include the following:

- Preparing materials for and scheduling Technical Advisory Committee (TAC) meetings
- Continuing draft edits to Plan goals, strategies, and policies
- Preparing and updating memorandum to the Board of Managers to facilitate review of draft goals, strategies, and policies (including performance standards)
- General communicating with LMRWMO Administrator and project management

Job	Task	Contract Budget	Previously Billed	Invoice Amount	Total Billed	Balance
ENG - Stakeholder Engagement	1A0	\$ 1,210.00	\$ 2,162.00		\$ 2,162.00	\$ (952.00)
	1B0	\$ 2,930.00	\$ 1,025.00	\$ 225.00	\$ 1,250.00	\$ 1,680.00
	1C0	\$ 1,550.00	\$ 898.50		\$ 898.50	\$ 651.50
	1D0	\$ -	\$ -		\$ -	\$ -
	1E0	\$ 3,580.00	\$ -		\$ -	\$ 3,580.00
	1F0	\$ 3,520.00	\$ 818.00		\$ 818.00	\$ 2,702.00
	1G0	\$ 4,880.00	\$ 4,676.00	\$ 108.00	\$ 4,784.00	\$ 96.00
	1H0	\$ 3,170.00	\$ 2,915.00		\$ 2,915.00	\$ 255.00
PLAN - Prepare Draft Plan	2A0	\$ 6,890.00	\$ 4,820.00		\$ 4,820.00	\$ 2,070.00
	2B0	\$ 6,730.00	\$ -	\$ 75.00	\$ 75.00	\$ 6,655.00
	2C0	\$ 6,840.00	\$ 4,350.00	\$ 630.00	\$ 4,980.00	\$ 1,860.00
	2D0	\$ 7,540.00	\$ -		\$ -	\$ 7,540.00
	2E0	\$ 7,710.00	\$ -		\$ -	\$ 7,710.00
REV - Review and Adoption	3A0	\$ 4,240.00	\$ -		\$ -	\$ 4,240.00
	3B0	\$ 3,600.00	\$ -		\$ -	\$ 3,600.00
	3C0	\$ -	\$ -		\$ -	\$ -
	3D0	\$ 5,000.00	\$ -		\$ -	\$ 5,000.00
	3E0	\$ 2,260.00	\$ -		\$ -	\$ 2,260.00
Total		\$ 71,650.00	\$ 21,664.50	\$ 1,038.00	\$ 22,702.50	\$ 48,947.50

Professional Services from November 27, 2021 to December 31, 2021

Job	ENG	Stakeholder Engagement
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Terms: Due upon receipt. 1 1/2% per month after 30 days. Please refer to the contract if other terms apply.

Project	23191436.00	LMRWMO 4th Generation Plan	Invoice	14
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Task 1B0 recruit and meet with CAC, TAC

Labor Charges

	Hours	Rate	Amount	
Engineer / Scientist / Specialist III				
Williams, Sterling	1.50	150.00	225.00	
	1.50		225.00	
Subtotal Labor				225.00
			Task Subtotal	\$225.00

Task 1G0 gaps analysis

Labor Charges

	Hours	Rate	Amount	
Principal				
Kieffer, Janna	.60	180.00	108.00	
	.60		108.00	
Subtotal Labor				108.00
			Task Subtotal	\$108.00
			Job Subtotal	\$333.00

Job PLAN Prepare Draft Plan

Task 2B0 establish measurable goals

Labor Charges

	Hours	Rate	Amount	
Engineer / Scientist / Specialist III				
Williams, Sterling	.50	150.00	75.00	
	.50		75.00	
Subtotal Labor				75.00
			Task Subtotal	\$75.00

Task 2C0 review policies and performance stds

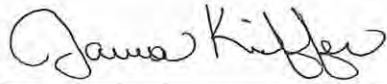
Labor Charges

	Hours	Rate	Amount	
Engineer / Scientist / Specialist III				
Williams, Sterling	3.60	150.00	540.00	
Support Personnel II				
Nypan, Nyssa	.90	100.00	90.00	
	4.50		630.00	
Subtotal Labor				630.00
			Task Subtotal	\$630.00
			Job Subtotal	\$705.00
			Total this Invoice	\$1,038.00

Thank you in advance for your prompt processing of this invoice. If you have any questions, please contact Greg Williams, your Barr project manager at 952.832.2945 or email at gwilliams@barr.com.

Barr declares under the penalties of law that this account, claim or demand is just and no part of it has been paid.

Authorized By: _____



Janna Kieffer

Billing Backup

Monday, January 31, 2022

Barr Engineering Co.

Invoice 14 Dated 1/31/2022

1:50:02 PM

Job	ENG	Stakeholder Engagement
-----	-----	------------------------

Task	1B0	recruit and meet with CAC, TAC
------	-----	--------------------------------

Labor Charges

			Hours	Rate	Amount
Engineer / Scientist / Specialist III					
Engineer / Scientist / Specialist III					
SGW	Williams, Sterling	11/30/2021	.50	150.00	75.00
	planning for TAC meetings				
SGW	Williams, Sterling	12/3/2021	.50	150.00	75.00
	planning for TAC meetings				
SGW	Williams, Sterling	12/9/2021	.50	150.00	75.00
	Prep for TAC meeting				
			1.50		225.00
Subtotal Labor					225.00

Task Subtotal \$225.00

Task	1G0	gaps analysis
------	-----	---------------

Labor Charges

			Hours	Rate	Amount
Principal					
Principal					
JMK2	Kieffer, Janna	12/13/2021	.60	180.00	108.00
	project status update				
			.60		108.00
Subtotal Labor					108.00

Task Subtotal \$108.00

Job Subtotal \$333.00

Job	PLAN	Prepare Draft Plan
-----	------	--------------------

Task	2B0	establish measurable goals
------	-----	----------------------------

Labor Charges

			Hours	Rate	Amount
Engineer / Scientist / Specialist III					
Engineer / Scientist / Specialist III					
SGW	Williams, Sterling	12/13/2021	.50	150.00	75.00
	Internal meeting with JMK2				
			.50		75.00
Subtotal Labor					75.00

Task Subtotal \$75.00

Task 2C0 review policies and performance stds

Labor Charges

			Hours	Rate	Amount	
Engineer / Scientist / Specialist III						
Engineer / Scientist / SpecialistIII						
SGW	Williams, Sterling	11/29/2021	2.10	150.00	315.00	
	memo for board; edits to policy doc					
SGW	Williams, Sterling	12/7/2021	1.50	150.00	225.00	
	review policies for meeting					
Support Personnel II						
Support Personnel II						
NJN	Nypan, Nyssa	11/29/2021	.30	100.00	30.00	
NJN	Nypan, Nyssa	12/22/2021	.40	100.00	40.00	
NJN	Nypan, Nyssa	12/29/2021	.20	100.00	20.00	
			4.50		630.00	
Subtotal Labor						630.00
					Task Subtotal	\$630.00
					Job Subtotal	\$705.00
					Total this Project	\$1,038.00
					Total this Report	\$1,038.00



INVOICE

Please note our new remittance address

Barr Engineering Co.
4300 MarketPointe Drive, Suite 200
Minneapolis, MN 55435
Phone: 952-832-2600; Fax: 952-832-2601
FEIN #: 41-0905995 Inc: 1966

Remittance address:
Lockbox 446104
PO Box 64825
St Paul, MN 55164-0825

Ms. Nancy Bauer
Lower Mississippi River Water Mgmt. Org.
City of Mendota Heights
1101 Victoria Curve
Mendota Heights, MN 55118

January 31, 2022
Invoice No: 23190078.00 - 242

Total this Invoice	\$1,161.00
---------------------------	-------------------

Regarding: Watershed Management Organization

The following invoice is for professional services related to the above project, which include:

- Material preparation for the December 8, 2021 Board of Managers meeting
- Attending December 8, 2021 Board of Managers meeting and facilitating discussion regarding Plan goal, strategies, and policies
- Coordinating with City of Inver Grove Heights and Minnesota DNR to review survey data and establish survey extents adjacent to Interstate Trucking site
- Communicating with LMRWMO Administrator and project management

Professional Services from November 27, 2021 to December 31, 2021

Job	2020	2020 Engineering Services
-----	------	---------------------------

Task	001	Board Meetings
------	-----	----------------

Labor Charges

	Hours	Rate	Amount
Engineer / Scientist / Specialist III			
Williams, Sterling	5.00	150.00	750.00
	5.00		750.00
Subtotal Labor			750.00
Task Subtotal			\$750.00

Task	002	Technical Assistance
------	-----	----------------------

Labor Charges

	Hours	Rate	Amount
Principal			
Kieffer, Janna	.20	180.00	36.00
Engineer / Scientist / Specialist III			
Fransen, Greg	1.50	140.00	210.00
Williams, Sterling	.50	150.00	75.00

Terms: Due upon receipt. 1 1/2% per month after 30 days. Please refer to the contract if other terms apply.

Project	23190078.00	Lower Mississippi River	Invoice	242
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Support Personnel II

Nypan, Nyssa

.90	100.00	90.00
3.10		411.00

Subtotal Labor

411.00

Task Subtotal

\$411.00

Job Subtotal

\$1,161.00

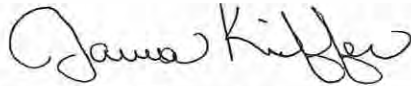
Total this Invoice

\$1,161.00

Thank you in advance for your prompt processing of this invoice. If you have any questions, please contact your Barr Project Manager, Janna M. Kieffer Phone: 952-832-2785 or E-Mail: jkieffer@barr.com.

Barr declares under the penalties of law that this account, claim or demand is just and no part of it has been paid.

Authorized By:



Janna Kieffer

Project	23190078.00	Lower Mississippi River	Invoice	242
---------	-------------	-------------------------	---------	-----

Billing Backup

Monday, January 31, 2022

Barr Engineering Co.

Invoice 242 Dated 1/31/2022

1:42:24 PM

Job	2020	2020 Engineering Services
Task	001	Board Meetings

Labor Charges

			Hours	Rate	Amount
Engineer / Scientist / Specialist III					
Engineer / Scientist / Specialist III					
SGW	3 - Williams, Sterling	11/29/2021	1.20	150.00	180.00
	Packet materials				
SGW	3 - Williams, Sterling	12/3/2021	.50	150.00	75.00
	materials for packet				
SGW	3 - Williams, Sterling	12/8/2021	3.30	150.00	495.00
	prep for and attend board meeting				
			5.00		750.00
Subtotal Labor					750.00
Task Subtotal					\$750.00

Task	002	Technical Assistance
------	-----	----------------------

Labor Charges

			Hours	Rate	Amount
Principal					
Principal					
JMK2	1 - Kieffer, Janna	11/29/2021	.10	180.00	18.00
	invoice review				
JMK2	1 - Kieffer, Janna	12/29/2021	.10	180.00	18.00
	invoice review				
Engineer / Scientist / Specialist III					
Engineer / Scientist / Specialist III					
GDF	3 - Fransen, Greg	12/7/2021	1.00	140.00	140.00
	Follow-up with City of IGH on survey area.				
GDF	3 - Fransen, Greg	12/9/2021	.50	140.00	70.00
	Follow-up on survey; plot out DNR survey data on GIS and update city on survey needs.				
SGW	3 - Williams, Sterling	12/15/2021	.50	150.00	75.00
	Review MPCA infiltration reqs re: MH				
Support Personnel II					
Support Personnel II					
NJN	9 - Nypan, Nyssa	11/29/2021	.30	100.00	30.00
NJN	9 - Nypan, Nyssa	12/22/2021	.40	100.00	40.00
NJN	9 - Nypan, Nyssa	12/29/2021	.20	100.00	20.00
			3.10		411.00
Subtotal Labor					411.00

Project	23190078.00	Lower Mississippi River	Invoice	242
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Task Subtotal \$411.00

Job Subtotal \$1,161.00

Total this Project \$1,161.00

Total this Report \$1,161.00

LMRWMO 2022 Budget & Financial Summary												2022 Monthly Revenue		
Revenue	Budget	Dec 9, 2021 - Jan 12, 2022	Jan 13 - Feb 9 2022	Feb 10 - Mar 9 2022	Mar 10 - April 13 2022	April 14 - May 11 2022	May 12 - June 8 2022	June 9 - July 13 2022	July 14 - Aug 10 2022	Aug 11 - Sept 14 2022		2022 Total	Variance	Percent Received
Dues from Members	\$115,735.00											\$0.00	\$115,735.00	0%
Interest	\$600.00	\$33.70	\$33.56									\$67.26	\$532.74	11%
LMCIT Rebate	\$500.00	\$920.00										\$920.00	(\$420.00)	184%
Combined Grant Income	\$131,975.00											\$0.00	\$131,975.00	0%
Subtotal Operating Revenue	\$248,810.00	\$953.70	\$33.56	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$987.26		
2022 Monthly Expenses														
Expenses	Budget	Dec 9, 2021 - Jan 12, 2022	Jan 13 - Feb 9 2022	Feb 10 - Mar 9 2022	Mar 10 - April 13 2022	April 14 - May 11 2022	May 12 - June 8 2022	June 9 - July 13 2022	July 14 - Aug 10 2022	Aug 11 - Sept 14 2022		2022 Total	Remaining Budget	Percent Expended
Engineering/Technical Assistance														
Technical Assistance	\$5,500.00	\$156.00	\$411.00									\$567.00	\$6,000.00	10%
Meetings	\$6,000.00	\$300.00	\$750.00									\$1,050.00	\$6,500.00	18%
Watershed Plan Amendment	\$40,000.00	\$1,845.00	\$1,038.00									\$2,883.00	\$37,117.00	7%
Project Planning/Implementation														
Plan Implementation	\$5,000.00											\$0.00	\$5,000.00	0%
Landscaping for Clean Water Projects	\$12,000.00		\$4,500.00									\$4,500.00	\$7,500.00	38%
Water Monitoring	\$9,000.00	\$2,660.00	\$2,115.75									\$4,775.75	\$4,224.25	53%
Ramsey County Subwatershed Analysis ²	\$4,250.00											\$0.00	\$4,250.00	0%
Grant Matching Funds	\$4,640.00											\$0.00	\$4,640.00	0%
Education														
Landscaping for Clean Water Workshops	\$6,400.00											\$0.00	\$6,400.00	0%
MN Water Stewards Program	\$10,000.00		\$120.00									\$120.00	\$9,880.00	1%
Storwater Signage Program	\$2,500.00											\$0.00	\$2,500.00	0%
WMO Tabling/Event Materials	\$500.00											\$0.00	\$500.00	0%
General Education Requests	\$2,000.00											\$0.00	\$2,000.00	0%
Metro Watershed Partners Membership	\$1,000.00		\$1,000.00									\$1,000.00	\$0.00	100%
Website Update / Maintenance ³	\$4,000.00		\$1,380.00									\$1,380.00	\$2,620.00	35%
Board Education	\$500.00											\$0.00	\$500.00	0%
Administration														
General Administration	\$36,000.00	\$2.00	\$5,252.00									\$5,254.00	\$30,746.00	15%
Insurance	\$2,500.00											\$0.00	\$2,500.00	0%
Attorney and Audit	\$5,000.00											\$0.00	\$5,000.00	0%
Subtotal Operating Expenses	\$156,790.00	\$4,963.00	\$16,566.75	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$21,529.75	\$137,877.25	14%
Subtotal Grant Expenses	\$198,324.00	\$5,985.63	\$4,395.83									\$10,381.46	\$263,254.50	5%
Overall Fund Balance		\$263,000.97	\$242,071.95	\$242,071.95	\$242,071.95	\$242,071.95	\$242,071.95	\$242,071.95	\$242,071.95	\$242,071.95				
Total Grant Balance		\$112,870.37	\$108,474.54	\$108,474.54	\$108,474.54	\$108,474.54	\$108,474.54	\$108,474.54	\$108,474.54	\$108,474.54				
LMRWMO Operating Fund Balance		\$150,130.60	\$133,597.41	\$133,597.41	\$133,597.41	\$133,597.41	\$133,597.41	\$133,597.41	\$133,597.41	\$133,597.41				
Unencumbered Operating Fund Balance ¹		\$140,130.60	\$123,597.41	\$123,597.41	\$123,597.41	\$123,597.41	\$123,597.41	\$123,597.41	\$123,597.41	\$123,597.41				

Carryover Fund Balance from Dec. 8, 2021
\$267,010.27

Anticipated use of Fund Balance in 2022
\$39,955.00

2022 Budget Notes:

- \$10,000 set aside in 2022 for 2033 Watershed Plan Update, will add \$5,000 annually to encumbered amount.
 - Is carryover from November 2020 approved expediture. Amended due to omission from original 2022 budget.
 - Is carryover from May 2020 approved expenditure. Amended due to omission from original 2022 budget.
- General: Budget is an estimate and will vary depending on changing priorities and grant project progress.

LMRWMO 2022 Grant Budget & Financial Summary															
	Budget	Accumulated Prior to Dec 9, 2021	Dec 9, 2021 - Jan 12, 2022	Jan 13 - Feb 9 2022	Feb 10 - Mar 9 2022	Mar 10 - April 13 2022	April 14 - May 11 2022	May 12 - June 8 2022	June 9 - July 13 2022	July 14 - Aug 10 2022	Aug 11 - Sept 14 2022		Total	Variance	Percent Received/ Expended
BWSR - FY 2019 Watershed Based Implementation Funding															
Revenue															
BWSR FY-2019 WBIF Payment	\$144,670.00	\$72,335.00											\$72,335.00	\$72,335.00	50%
WBIF Matching Funds	\$59,640.00												\$0.00	\$59,640.00	0%
Total Revenue	\$204,310.00	\$72,335.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$72,335.00	\$131,975.00	35%
Expenses															
Grant Administration	\$8,000.00	\$497.43											\$497.43	\$7,502.57	6%
Education Program Implementation	\$36,000.00	\$1,899.87		\$492.64									\$2,392.51	\$33,607.49	7%
Education Program Project Dev.	\$4,670.00	\$913.75		\$3,258.97									\$4,172.72	\$497.28	89%
Education Program Project Dev. Match (WMO)	\$4,640.00												\$0.00	\$4,640.00	0%
Interstate Valley Creek Project Dev.	\$4,000.00	\$339.96											\$339.96	\$3,660.04	8%
Interstate Valley Creek Study	\$44,000.00												\$0.00	\$44,000.00	0%
Interstate Valley Creek Study Match	\$25,000.00												\$0.00	\$25,000.00	0%
Lake Augusta Project Development	\$4,000.00	\$2,334.62		\$644.22									\$2,978.84	\$1,021.16	74%
Lake Augusta Study	\$44,000.00												\$0.00	\$44,000.00	0%
Lake Augusta Study Match	\$30,000.00												\$0.00	\$30,000.00	0%
Total Expenses	\$204,310.00	\$5,985.63	\$0.00	\$4,395.83	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$10,381.46	\$193,928.54	5%
FY-19 WBIF Balance		\$66,349.37	\$66,349.37	\$61,953.54	\$61,953.54	\$61,953.54	\$61,953.54	\$61,953.54	\$61,953.54	\$61,953.54	\$61,953.54		\$61,953.54		
BWSR - FY 2021 Watershed Based Implementation Funding															
Revenue															
BWSR FY-2021 WBIF Payment	\$93,042.00	\$46,521.00											\$46,521.00	\$46,521.00	50%
WBIF Matching Funds	\$9,304.00												\$0.00	\$9,304.00	0%
Total Revenue	\$102,346.00	\$46,521.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$46,521.00	\$55,825.00	45%
Expenses															
Grant Administration	\$10,042.00												\$0.00	\$10,042.00	0%
Erosion & Direct Drainage Study	\$71,000.00												\$0.00	\$71,000.00	0%
Erosion & Direct Drainage Study Match (WMO)	\$9,304.00												\$0.00	\$9,304.00	0%
Project Development	\$12,000.00												\$0.00	\$12,000.00	0%
Total Expenses	\$102,346.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00	\$102,346.00	0%
FY-21 WBIF Balance		\$46,521.00	\$46,521.00	\$46,521.00	\$46,521.00	\$46,521.00	\$46,521.00	\$46,521.00	\$46,521.00	\$46,521.00	\$46,521.00		\$46,521.00		
MN DNR - Seidls Lake Shoreline LCCMR Grant															
Revenue															
Grant Reimbursement Payments	\$382,000.00												\$0.00	\$382,000.00	0%
Matching funds	\$75,000.00												\$0.00	\$75,000.00	0%
Total Revenue	\$457,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00	\$457,000.00	0%
Expenses															
Grant Administration/Project Mgmt	\$26,000.00												\$0.00	\$26,000.00	0%
Construction	\$356,000.00												\$0.00	\$356,000.00	0%
Engineering - Construction Docs	\$37,500.00												\$0.00	\$37,500.00	0%
Engineering - Const. Mgmt, Permits, Bids	\$37,500.00														
Total Expenses	\$457,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00	\$419,500.00	0%
Seidls Lake Shoreline Balance		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00		
	Budget	Accumulated Prior Years	Dec 9, 2021 - Jan 12, 2022	Jan 13 - Feb 9 2022	Feb 10 - Mar 9 2022	Mar 10 - April 13 2022	April 14 - May 11 2022	May 12 - June 8 2022	June 9 - July 13 2022	July 14 - Aug 10 2022	Aug 11 - Sept 14 2022		Total	Variance	Percent Expended
TOTAL GRANT FUNDS RECEIVED	\$763,656.00	\$118,856.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$118,856.00	\$644,800.00	16%
PASS THROUGH MATCH RECEIVED	\$130,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00	\$143,944.00	0%
LMRWMO MATCH PROVIDED	\$13,944.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00	\$644,800.00	0%
GRANT EXPENSES (MINUS WMO MATCH)															
GRANT EXPENSES (MINUS WMO MATCH)	\$749,712.00	\$5,985.63	\$0.00	\$4,395.83	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$10,381.46	\$739,330.54	1%
PASS THROUGH MATCH EXPENSES	\$130,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00	\$130,000.00	0%
NET PASS THROUGH MATCH FUND BALANCE															
NET PASS THROUGH MATCH FUND BALANCE		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00		
NET FUND BALANCE (MINUS WMO MATCH)															
NET FUND BALANCE (MINUS WMO MATCH)		\$112,870.37	\$112,870.37	\$108,474.54	\$108,474.54	\$108,474.54	\$108,474.54	\$108,474.54	\$108,474.54	\$108,474.54	\$108,474.54		\$108,474.54		

January 11, 2022

To the Board of Supervisors and District Manager
Lower Mississippi River Watershed Management Organization
4100 220th St. W, Suite 102
Mendota Heights, MN 55024

Enclosed is the audit engagement letter for the fiscal year ending December 31, 2021. The audit will be performed in accordance with all applicable audit standards.

We anticipate that half a day of fieldwork will be required at your office unless the audit is done remotely due to COVID. During this time and during completion of the audit, we will be happy to answer your questions and assist with policies and procedures at no additional cost. The year-end audit fee will be \$4,100. The increase in fees is due to continued growth in grant tracking and cost of living increases.

Please sign and return the engagement letter in the envelope provided. We look forward to working with you!

Sincerely,

Michael Peterson

Michael Peterson, CPA
Peterson Company Ltd

January 11, 2022

Lower Mississippi River Watershed Management Organization
4100 220th St. W, Suite 102
Mendota Heights, MN 55024

Dear Board of Supervisors and District Manager:

The following represents our understanding of the services we will provide for Lower Mississippi River Watershed Management Organization.

You have requested that we audit the governmental activities, the business-type activities, the aggregate discretely presented component units, each major fund, and the aggregate remaining fund information of Lower Mississippi River Watershed Management Organization, as of December 31, 2021, and for the year then ended and the related notes, which collectively comprise Lower Mississippi River Watershed Management Organization's basic financial statements as listed in the table of contents. We are pleased to confirm our acceptance and our understanding of this audit engagement by means of this letter.

The objectives of our audit are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with auditing standards generally accepted in the United States of America (GAAS) and in accordance with Government Auditing Standards will always detect a material misstatement when it exists. Misstatements, including omissions, can arise from fraud or error and are considered material if there is a substantial likelihood that, individually or in the aggregate, they would influence the judgment made by a reasonable user based on the financial statements.

Accounting principles generally accepted in the United States of America, (U.S. GAAP,) as promulgated by the Governmental Accounting Standards Board (GASB) require that the management's discussion and analysis (MD&A) and budgetary comparison information be presented to supplement the basic financial statements. Such information, although not a part of the basic financial statements, is required by the GASB, who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic, or historical context. As part of our engagement, we will apply certain limited procedures to the required supplementary information (RSI) in accordance with auditing standards generally accepted in the United States of America, (U.S. GAAS). These limited procedures will consist primarily of inquiries of management regarding their methods of measurement and presentation, and comparing the information for consistency with management's responses to our inquiries. We will not express an opinion or provide any form of assurance on the RSI. The following RSI is required by U.S. GAAP. This RSI will be subjected to certain limited procedures but will not be audited:

- 1) Management's Discussion and Analysis.
- 2) Budgetary Comparison Schedules

Auditor Responsibilities

We will conduct our audit in accordance with GAAS and Government Auditing Standards. As part of our audit in accordance with GAAS and Government Auditing Standards, we exercise professional judgment and maintain professional skepticism throughout the audit. We also:

- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of

the entity's internal control. However, we will communicate to you in writing concerning any significant deficiencies or material weaknesses in internal control relevant to the audit of the financial statements that we have identified during the audit.

- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of the financial statements, including the disclosures, and whether the financial statements represent the underlying transactions and events in a manner that achieves fair presentation.
- Conclude, based on the audit evidence obtained, whether there are conditions or events, considered in the aggregate, that raise substantial doubt about Lower Mississippi River Watershed Management Organization's ability to continue as a going concern for a reasonable period of time.

Because of the inherent limitations of an audit, together with the inherent limitations of internal control, an unavoidable risk that some material misstatements may not be detected exists, even though the audit is properly planned and performed in accordance with GAAS and Government Auditing Standards.

Our responsibility as auditors is limited to the period covered by our audit and does not extend to any other periods.

Compliance with Laws and Regulations

As previously discussed, as part of obtaining reasonable assurance about whether the basic financial statements are free of material misstatement, we will perform tests of Lower Mississippi River Watershed Management Organization's compliance with the provisions of applicable laws, regulations, contracts, and agreements. However, the objective of our audit will not be to provide an opinion on overall compliance and we will not express such an opinion.

Management Responsibilities

Our audit will be conducted on the basis that management and, when appropriate, those charged with governance acknowledge and understand that they have responsibility:

- a) For the preparation and fair presentation of the basic financial statements in accordance with accounting principles generally accepted in the United States of America
- b) For the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of basic financial statements that are free from material misstatement, whether due to error, fraudulent financial reporting, misappropriation of assets, or violations of laws, governmental regulations, grant agreements, or contractual agreements, and
- c) To provide us with:
 - I. Access to all information of which management is aware that is relevant to the preparation and fair presentation of the basic financial statements such as records, documentation, and other matters;
 - II. Additional information that we may request from management for the purpose of the audit;
 - III. Unrestricted access to persons within the entity from whom we determine it necessary to obtain audit evidence.
- d) For including the auditor's report in any document containing basic financial statements that indicates that such basic financial statements have been audited by us;
- e) For identifying and ensuring that the entity complies with the laws and regulations applicable to its activities;
- f) For adjusting the basic financial statements to correct material misstatements and confirming to us in the management representation letter that the effects of any uncorrected misstatements aggregated by us during the current engagement and pertaining to the current year period(s) under audit are immaterial, both individually and in the aggregate, to the basic financial statements as a whole; and
- g) For acceptance of nonattest services, including identifying the proper part to oversee nonattest work;
- h) For maintaining adequate records, selecting and applying accounting principles, and safeguarding assets;
- i) For informing us of any known or suspected fraud affecting the entity involving management, employees with significant role in internal control and others where fraud could have a material effect on the financials; and
- j) For the accuracy and completeness of all information provided.

With regard to the required supplementary information referred to above, you acknowledge and understand your responsibility: (a) for the preparation of the required supplementary information in accordance with the applicable criteria; (b) to provide us with the appropriate written representations regarding required supplementary information; (c) to include our report on the required supplementary information in any document that contains the required supplementary information and that indicates that we have reported on such required supplementary information;

and (d) to present the required supplementary information with the audited basic financial statements, or if the required supplementary information will not be presented with the audited basic financial statements, to make the audited basic financial statements readily available to the intended users of the required supplementary information no later than the date of issuance by you of the required supplementary information and our report thereon.

As part of our audit process, we will request from management, and when appropriate, those charged with governance, written confirmation concerning representations made to us in connection with the audit.

Nonattest Services

With respect to any nonattest services, at the end of the year, we agree to perform the following:

- Propose adjusting or correcting journal entries to be reviewed and approved by Lower Mississippi River Watershed Management Organization's management.
- Prepare the financial statements with the required footnote disclosures.
- Prepare the depreciation schedule, if needed.

We will not assume management responsibilities on behalf of Lower Mississippi River Watershed Management Organization. However, we will provide advice and recommendations to assist management of Lower Mississippi River Watershed Management Organization in performing its responsibilities.

Lower Mississippi River Watershed Management Organization's management is responsible for (a) making all management decisions and performing all management functions; (b) assigning a competent individual to oversee the services; (c) evaluating the adequacy of the services performed; (d) evaluating and accepting responsibility for the results of the services performed; and (e) establishing and maintaining internal controls, including monitoring ongoing activities.

Our responsibilities and limitations of the nonattest services are as follows:

- We will perform the services in accordance with applicable professional standards.
- The nonattest services are limited to the financial statement preparation, depreciation schedule, and journal entry proposals previously outlined. Our firm, in its sole professional judgment, reserves the right to refuse to do any procedure or take any action that could be construed as making management decisions or assuming management responsibilities, including determining account coding and approving journal entries.

Reporting

We will issue a written report upon completion of our audit of Lower Mississippi River Watershed Management Organization's basic financial statements. Our report will be addressed to management and the governing body of Lower Mississippi River Watershed Management Organization. Circumstances may arise in which our report may differ from its expected form and content based on the results of our audit. Depending on the nature of these circumstances, it may be necessary for us to modify our opinions, add an emphasis-of-matter or other-matter paragraph(s) to our auditor's report, or if necessary, withdraw from the engagement. If our opinion on the basic financial statements are other than unmodified, we will discuss the reasons with you in advance. If, for any reason, we are unable to complete the audit or are unable to form or have not formed an opinion, we may decline to express an opinion or to issue a report as a result of this engagement.

In accordance with the requirements of Government Auditing Standards, we will also issue a written report describing the scope of our testing over internal control over financial reporting and over compliance with laws, regulations, and provisions of grants and contracts, including the results of that testing. However, providing an opinion on internal control and compliance will not be an objective of the audit and, therefore, no such opinion will be expressed.

Other

We understand that your employees will prepare all confirmations we request and will locate any documents or support for any other transactions we select for testing.

If you intend to publish or otherwise reproduce the basic financial statements and make reference to our firm, you agree to provide us with printers' proofs or masters for our review and approval before printing. You also agree to provide us with a copy of the final reproduced material for our approval before it is distributed.

Regarding the electronic dissemination of audited financial statements, including financial statements published electronically on your Internet website, you understand that electronic sites are a means to distribute information and, therefore, we are not required to read the information contained in these sites or to consider the consistency of other information in the electronic site with the original document.

Professional standards prohibit us from being the sole host and/or the sole storage for your financial and non-financial data. As such, it is your responsibility to maintain your original data and records and we cannot be responsible to maintain such original information. By signing this engagement letter, you affirm that you have all the data and records required to make your books and records complete.

Provisions of Engagement Administration, Timing and Fees

During the course of the engagement, we may communicate with you or your personnel via e-mail, and you should be aware that communication in those mediums contains a risk of misdirected or intercepted communications.

We expect to begin our audit in the spring or summer and to issue our reports no later than October 31, 2022.

Michael Peterson is the engagement partner for the audit services specified in this letter. His responsibilities include supervising Peterson Company Ltd's services performed as part of this engagement and signing or authorizing another qualified firm representative to sign the audit report.

Our fee for these services will be \$4,100. Our invoices for these fees will be rendered each month as work progresses and are payable on presentation. Invoices not paid within 30 days will accrue interest at 1.50%. In accordance with our firm policies, work may be suspended if your account becomes 45 days or more overdue and may not be resumed until your account is paid in full. If we elect to terminate our services for nonpayment, our engagement will be deemed to have been completed upon written notification of termination, even if we have not completed our report. You will be obligated to compensate us for all time expended and to reimburse us for all out-of-pocket costs through the date of termination. The above fee is based on anticipated cooperation from your personnel and the assumption that unexpected circumstances will not be encountered during the audit. If significant additional time is necessary, we will discuss it with you and arrive at a new fee estimate before we incur the additional costs. Further, we will be available during the year to consult with you on financial management and accounting matters of a routine nature.

Government Auditing Standards require that we document an assessment of the skills, knowledge, and experience of management, should we participate in any form of preparation of the basic financial statements and related schedules or disclosures as these actions are deemed a non-audit service.

During the course of the audit we may observe opportunities for economy in, or improved controls over, your operations. We will bring such matters to the attention of the appropriate level of management, either orally or in writing.

You agree to inform us of facts that may affect the basic financial statements of which you may become aware during the period from the date of the auditor's report to the date the financial statements are issued.

We agree to retain our audit documentation or work papers for a period of at least five years from the date of our report.

At the conclusion of our audit engagement, we will communicate to management and the Board of Supervisors the following significant findings from the audit:

- Our view about the qualitative aspects of the entity's significant accounting practices;
- Significant difficulties, if any, encountered during the audit;
- Uncorrected misstatements, other than those we believe are trivial, if any;
- Disagreements with management, if any;
- Other findings or issues, if any, arising from the audit that are, in our professional judgment, significant and relevant to those charged with governance regarding their oversight of the financial reporting process;
- Material, corrected misstatements that were brought to the attention of management as a result of our audit procedures;
- Representations we requested from management;
- Management's consultations with other accountants, if any; and

- Significant issues, if any, arising from the audit that were discussed, or the subject of correspondence, with management.

The audit documentation for this engagement is the property of Peterson Company Ltd and constitutes confidential information. However, we may be requested to make certain audit documentation available to the Board of Water and Soil Resources or the Minnesota State Auditor's Office pursuant to authority given to it by law or regulation, or to peer reviewers. If requested, access to such audit documentation will be provided under the supervision of Peterson Company Ltd's personnel. Furthermore, upon request, we may provide copies of selected audit documentation to the Board of Water and Soil Resources or to the Minnesota State Auditor's Office. The Board of Water and Soil Resources or the Minnesota State Auditor's Office may intend, or decide, to distribute the copies of information contained therein to others, including other governmental agencies.

Please sign and return the attached copy of this letter to indicate your acknowledgement of, and agreement with, the arrangements for our audit of the basic financial statements including our respective responsibilities.

We appreciate the opportunity to be your financial statement auditors and look forward to working with you and your staff.

Sincerely,

Peterson Company Ltd

Peterson Company Ltd
570 Cherry Drive
Waconia, MN 55387

RESPONSE:

This letter correctly sets forth our understanding.

Acknowledged and agreed on behalf of Lower Mississippi River Watershed Management Organization by:

Management signature: _____

Title: _____

Date: _____

Governance signature: _____

Title: _____

Date: _____

**2022-2023 SERVICE AGREEMENT BETWEEN
RAMSEY COUNTY
AND THE
LOWER MISSISSIPPI RIVER WATERSHED MANAGEMENT ORGANIZATION**

A. PARTIES

This is an Agreement between Ramsey County, a political subdivision of the State of Minnesota, on behalf of its Parks & Recreation department – Soil & Water Conservation Division (SWCD), 2015 Van Dyke Street, Maplewood, MN 55109 and the Lower Mississippi River Watershed Management Organization (LMRWMO), c/o Dakota County SWCD, 4100 220th Street West, Farmington, MN 55024.

B. PURPOSE

1. The Watershed District has requested assistance from the SWCD to implement the policies specified in Minnesota Statutes § § 103A.206 and 103D.201; and
2. The SWCD is authorized to enter agreements to provide such assistance pursuant to Minnesota Statutes § § 103C.331, subds. 3, 7, and 103D.335, subd. 21.

C. TERM OF AGREEMENT

The term of this agreement shall be from January 1, 2022 to December 31, 2023 unless extended or terminated earlier as provided herein.

D. SCOPE OF SERVICES

The SWCD will perform all services and furnish and deliver work products generally described in the attached Exhibit A.

E. COST

In full consideration for services under this agreement, the LMRWMO will compensate the SWCD for providing the services listed in Exhibit A, on an hourly basis, not to exceed \$9,002.00 during the 2022 calendar year and not to exceed \$4,950.00 during the 2023 calendar year throughout the term of this agreement.

Any additional costs must be approved by the LMRWMO in advance.

F. BILLING RATE AND PAYMENTS

The LMRWMO will pay the SWCD the amount of the cost for services invoiced by the SWCD, within 35 days after receipt, based on the fee schedule listed in Exhibit A of this agreement. Project expenses will be billed as they are accrued. Office supplies, normal office reproduction expenses, and transportation are included in the hourly rate. Other expenses are to be reimbursed at actual cost.

G. EQUAL EMPLOYMENT OPPORTUNITY- CIVIL RIGHTS

During the performance of this Agreement, the SWCD agrees to the following:

No person shall, on the grounds of race, color, religion, age, sex, disability, marital status, public assistance, criminal record, creed or national origin, be excluded from full employment rights in, be denied the benefits of, or be otherwise subjected to discrimination under any program, service, or activity under the provisions of and all applicable federal and state laws against discrimination including the Civil Rights Act of 1964.

H. STANDARDS

The SWCD shall comply with all applicable Federal and State statutes and regulations as well as local ordinances now in effect or hereafter adopted. Failure to meet the requirements of the above may be cause for cancellation of this contract effective the date of receipt of the Notice of Cancellation.

I. DATA PRIVACY

All data collected, created, received, maintained, or disseminated, or used for any purpose in the course of the SWCD's performance of the Agreement is governed by the Minnesota Government Data Practices Act, Minnesota Statutes, Chapter 13 (the Act), or any other applicable state statutes and state rules adopted to implement the Act, as well as state statutes and federal regulations on data privacy. The SWCD agrees to abide by these statutes, rules and regulations and as they may be amended.

J. AUDITS, REPORTS, AND MONITORING PROCEDURES

The SWCD will:

1. Maintain records that reflect all revenues, costs incurred, and services provided in the performance of the Agreement.
2. Agree that the SWCD, the State Auditor, or legislative authority, or any of their duly authorized representatives at any time during normal business hours, and as often as they may deem reasonably necessary, shall have access to the rights to examine audit, excerpt, and transcribe any books, documents, papers, records, etc., and accounting procedures and practices of the SWCD which are relevant to the contract.

K. INDEMNITY

The SWCD and the LMRWMO mutually agree, to the fullest extent permitted by law, to indemnify and hold each other harmless for any and all damages, liability or cost (including reasonable attorneys' fees and costs of defense) arising from their own negligent acts, errors or omissions in the performance of their services under this agreement, to the extent each party is responsible for such damages and losses on a comparative basis of fault. Parties agree to provide proof of contractual liability insurance upon request. This paragraph does not diminish, with respect to any third party, any defense, immunity, or liability limit that the SWCD or the LMRWMO may enjoy under law.

L. INDEPENDENT CONTRACTOR

It is agreed that nothing herein contained is intended or should be construed in any manner as creating or establishing the relationship of co-partners between the parties hereto or as constituting the SWCD as the agent, representative, or employee of LMRWMO for any purpose or in any manner whatsoever. The SWCD is to be and shall remain an independent contractor with respect to all services performed under this Agreement.

The SWCD represents that it has, or will secure at its own expense, all personnel required in performing services under this Agreement. Any and all personnel of the SWCD or other person, while engaged in the performance of any work or services required by the SWCD under this Agreement, shall have no contractual relationship with the LMRWMO and shall not be considered employees of the LMRWMO.

M. MODIFICATIONS

Any material alteration or variation shall be reduced to writing as an amendment and signed by the parties. Any alteration, modification, or variation deemed not to be material by written agreement of the SWCD and the LMRWMO shall not require written approval.

N. MERGER

It is understood and agreed that the entire agreement of the parties is contained here, except as modified during the term of the Agreement by a writing under Paragraph M above concerning a non-material change, and that this contract supersedes oral agreements and negotiations between the parties relating to this subject matter. All items referred to in this contract are incorporated or attached and deemed to be part of the contract.

O. TERMINATION

Either the SWCD or the LMRWMO may terminate this Agreement with or without cause by giving the other party ninety (90) days written notice prior to the effective date of such termination. If the LMRWMO terminates this Agreement, it may specify work to be performed by the SWCD before termination is effective and shall pay the SWCD for services performed by the SWCD up to the time specified for termination. If the SWCD terminates the Agreement, it will not be compensated for part completion of a task except to the extent part completion has value to the LMRWMO.

P. OWNERSHIP OF DOCUMENTS AND INTELLECTUAL PROPERTY

All property of the LMRWMO used, acquired, or created in the performance of work under this Agreement, including documents and records of any kind, shall remain the property of the LMRWMO. The LMRWMO shall have the sole right to use, sell, license, publish, or otherwise disseminate any product developed in whole or in part during the performance of work under this Agreement.

**2022-2023 SERVICE AGREEMENT BETWEEN
RAMSEY COUNTY
AND THE
LOWER MISSISSIPPI RIVER WATERSHED MANAGEMENT ORGANIZATION**

IN TESTIMONY WHEREOF the parties have duly executed this agreement by their duly authorized officers.

APPROVED:

LMRWMO

Ramsey County

BY: _____
Board Chair Date

BY: _____
County Manager Date

BY: _____
LMRWMO Administrator Date

BY: _____
Parks and Recreation Director Date

Approved as to form:

BY: _____ Date
Assistant County Attorney

EXHIBIT A

TASKS

1. Project Oversight

All work performed by the SWCD will be at the direction of the LMRWMO.

2. Landowner Outreach

Targeted and broad-based outreach techniques will be implemented through a coordinated effort of the LMRWMO and SWCD. Outreach will be coordinated with existing educational efforts through the Landscaping for Clean Water (LCW) program by the LMRWMO and City of St. Paul.

3. Project Database

Project information will be maintained by the LMRWMO. Information on assistance provided by the SWCD will be regularly communicated to the LMRWMO Administrator.

4. Respond to inquiries from the public

The LMRWMO will act as the primary and first responder to inquiries from the public regarding the LCW program. The SWCD and the LMRWMO will jointly provide responses to the public regarding general program information, program eligibility, best management practice information, and general information.

5. Site Reviews and Project Evaluation

Initial site visits, follow-up reviews and subsequent site visits of potential BMP implementation sites will be conducted under this contract following the LCW program and project model. Other activities may include: assessing BMP options which will adequately address the problem, discussing BMP alternatives with landowners, and promoting implementation of BMPs. SWCD will assist program applicants with identification of supplemental funding sources if needed. Educational materials will be distributed during the site visit.

6. BMP Design and Contractor Assistance

The SWCD will coordinate BMP design assistance through the LCW program. Design support will be provided by SWCD technical resources and/or obtaining assistance from an appropriate technical agency, organization, or the LMRWMO. SWCD may assist landowners with obtaining qualified contractors to install BMPs if requested.

7. Construction Monitoring (Site inspections)

The SWCD will monitor construction activities to verify proper implementation of BMPs following the LCW program model and take photos during all site visits to share with the LMRWMO.

8. Miscellaneous Services

Other services may be provided as requested by the LMRWMO to implement and carry out the Program.

9. Billing

SWCD services are billed on an hourly basis at the rate of \$75.00 per hour, for all SWCD staff.

EXHIBIT A CONT.

ESTIMATED TASK SUMMARY FOR CALENDAR YEARS 2022 AND 2023

EDUCATION

COST ESTIMATE

Landscaping for Clean Water Workshops <ul style="list-style-type: none">Attend 1 Landscaping for Clean Water Introduction Presentation (one evening if in person).Attend 1 Landscaping for Clean Water Design Workshop (two evenings if in person).	12 hours @ \$75/hour = \$900
Landscaping for Clean Water Landowner Coordination <ul style="list-style-type: none">Create individual maps for LCW design class participants within Ramsey County as participants register for Design classes, update template as necessary.	1 hour each @ \$75/hour, up to 6 projects = \$450
Subtotal	\$1,350

TECHNICAL ASSISTANCE & PROJECT IMPLEMENTATION

COST ESTIMATE

Technical Assistance - Landscaping for Clean Water <ul style="list-style-type: none">Staff time for technical assistance for LCW grant participants to meet onsite with landowner for project layout, midpoint visit to check elevations, final visit, coordinate with landowner remotely, coordinate with Dakota County SWCD staff on project reporting, etc.	6 hours for each project @ \$75/hour, up to 6 projects = \$2,700
Technical Assistance – General <ul style="list-style-type: none">Staff time for technical assistance on potential landowner stormwater/drainage issues or stormwater BMP project implementation questions.	12 hours @ \$75/hour = \$900
2022 Subwatershed Analysis Project (Calendar year 2022 only) <ul style="list-style-type: none">Matching funds towards staff time for the West Side Flats Subwatershed Analysis (SWA)	Matching Funds = \$4,250
Subtotal	\$7,850

CALENDAR YEAR 2022 - TOTAL AGREEMENT NOT TO EXCEED: \$9,200

CALENDAR YEAR 2023 - TOTAL AGREEMENT NOT TO EXCEED: \$4,950



MEMORANDUM

To: LMRWMO Board of Managers
From: Joe Barten, Dakota County SWCD
Subject: Lake Augusta Feasibility Study Scope of Work
Date: February 2, 2022

Summary

The LMRWMO has funding through the FY-19 Watershed Based Implementation Funding (WBIF) grant program from the State Board of Water & Soil Resources (BWSR). A portion of the funds are dedicated to implement a study of Lake Augusta in Mendota Heights. The original grant work plan (attached) allocated \$74,000 towards this study with a cost share of \$44,000 from the grant and \$30,000 from the City of Mendota Heights in matching funds.

In discussions with Barr and City of Mendota Heights staff, we consider the items included in the attached Barr Engineering scope of work, totaling \$86,500 to be necessary for a comprehensive study of the Lake. To account for the difference in the original grant budget vs. the proposed scope, I propose moving \$5,000 from other grant categories within the FY-19 WBIF grant (pending approval by BWSR Staff) and then providing up to \$7,500 directly from the LMRWMO general fund as grant match. If we underspend on other grant work plan items, it is possible a portion of the \$7,500 could be covered by the grant and not the LMRWMO upon the final tabulation.

Board Action Requested:

- Consider allocating up to \$7,500.00 towards the study from the LMRWMO.
- Consider approval of the attached scope of work by Barr Engineering for the Lake Augusta Feasibility study and authorize the LMRWMO Board Chair to execute an agreement with Barr Engineering for the project.

Attached:

- Grant work plan for Lake Augusta feasibility study
- Proposed scope of work from Barr Engineering for Lake Augusta Feasibility Study

Grant Activity - Lake Augusta Feasibility Study - Implementation

Description	<p>This activity includes creation of a feasibility study to determine implementation activities to improve the water quality of Lake Augusta. This may include identifying areas of shoreland/streambank erosion and options for protection, identification of potential stormwater BMPs, particularly at the lake inlets, determining the potential benefits of construction of a lake outlet, and investigation into nuisance fish activity. Specific activities may include watershed modeling, water monitoring to truth the watershed model, desktop mapping, field reconnaissance, a fish survey, landowner outreach, cost benefit analysis, pollutant calculations, priority practice ranking, and a final report.</p> <p>Overall Measureable Outcome: Final report identifying implementation activities to improve the water quality of Lake Augusta, which may include shoreline stability measures to reduce shoreline erosion, feasibility of BMPs to reduce pollutant inputs to the lake, and the costs and benefits of an outlet control structure to Lake Augusta.</p>
Category	PLANNING AND ASSESSMENT
Has Rates and Hours?	No

February 3, 2022

Board of Managers
Lower Mississippi River Watershed Management Organization
4100 220th Street West, Suite 102
Farmington, MN 55024

Re: Agreement for Lake Augusta Water Quality Improvement and Outlet Feasibility Study

LMRWMO Board of Managers:

Thank you for the opportunity to submit this agreement to provide engineering services to the Lower Mississippi River Watershed Management Organization (LMRWMO) for completion of the Lake Augusta Feasibility Study. Table 1 summarizes the work items and the estimated cost.

Project Scope

The project includes the following work tasks.

1. Lake Augusta water quality and lake level monitoring

For this task, Barr staff will access Lake Augusta and conduct nine separate lake water quality monitoring events during the open water season of 2022, which will occur immediately after ice-out and then on a twice-monthly basis beginning in mid-May through early September. Samples will be collected from the Lake Augusta sample station that represents the deepest location. Dissolved oxygen, temperature, specific conductance, pH, and turbidity will be measured at 1-meter intervals from surface to bottom. The depth of Secchi disc transparency will be measured from the surface to the depth it can no longer be seen.

During each sample event: (1) A 0-2 meter composite water sample will be collected for laboratory analysis for total phosphorus, total nitrogen, and chlorophyll *a* (2) water samples will be collected from the 4, 6, 8 and 10- meter depths, and 0.5 meters above the bottom and analyzed for total phosphorus, and (3) water samples will be collected from 0-2 meters and from 0.5 meters above the bottom and analyzed for chloride. Following the conclusion of sample collection and analysis, Barr will develop data tables and complete electronic file management.

Barr will purchase and install an Insitu Troll pressure transducer and staff gage that will be surveyed into the closest lake level benchmark and used to collect continuous lake level measurements during the 2022 open water season. Recorded lake level measurements will be downloaded and checked following each water quality monitoring event. The pressure transducer and staff gage will be provided to Dakota SWCD following completion of the 2022 lake monitoring. Barr will develop an electronic data table and electronic file management for use in the water balance modeling.

2. Watershed monitoring

For this task, Barr staff will document known stormwater inlets to the lake based on available GIS data and describe the process for determining the selected stormwater monitoring locations – the two main stormwater inlets immediately upstream of the eastern shore of Lake Augusta. Barr will access these two locations to install an equipment shelter and continuously recording area-velocity flow meter, including an area-velocity probe inside the downstream end of the storm sewer pipe, at each site. Barr staff will verify current conditions (e.g., erosion) at and around each monitoring location as part of siting and installing equipment.

The equipment will be programmed to compute and store continuous flow/depth/velocity measurements throughout the open water season. It is assumed that bi-weekly data downloads will occur between April and early September 2022. Barr staff will collect a total of twelve (12) grab samples from each stormwater inflow station for laboratory analysis for total phosphorus and total suspended solids. It is assumed that five grab sample events will occur under baseflow (dry weather) conditions and seven grab samples will be collected during storm events that occur at each site. During at least two storm events, Barr will also collect grab samples upstream of the channel leading to the sampling location at the southeast end of the lake and the stormwater pond outflow at the south end of the lake in order to assess the impact of local erosion along the channel and pollutant loading from the pond.

Dissolved oxygen, temperature, specific conductance, and pH will also be measured in the field for each sample collected. Following the conclusion of sample collection and analysis, Barr will develop data tables and complete electronic file management for use in the watershed and in-lake phosphorus mass-balance modeling.

3. Update background material and GIS mapping

For this task, Barr will compile and review background materials, including new information, monitoring data, analyses and management actions implemented since development of the 2014 WRAPS and TMDL report. The results of recent lake water quality monitoring and technical memoranda will also be compiled, including an estimate of the total phosphorus load reduction achieved from the Lake Augusta alum treatment. Barr will also compile and review GIS data, including an updated impervious surface coverage, storm sewer, existing and proposed BMP design information, proposed street reconstruction, as well as relevant as-built information and monitoring/ maintenance records for existing watershed BMPs.

Barr will develop a detailed map including watershed and stormwater inputs represented in the water quality model. We understand City of Mendota Heights and/or Dakota County SWCD staff may perform site visits to verify existing infrastructure and topography. It is expected that Barr will also obtain plan and profile information from the portion of MnDOT storm sewer that bisects the Lake Augusta watershed to further evaluate the feasibility of future drainage alterations.

4. Watershed modeling

For this task, Barr will update GIS subwatershed delineations and P8 watershed modeling inputs for each subwatershed and identify all existing BMPs in the watershed. P8 will be used with updated climate data (hourly precipitation and daily temperatures) and information about each subwatershed to develop the phosphorus (total and dissolved) and TSS loadings for the 2021-2022 water year. The available water quality monitoring data will be used to calibrate the watershed modeling and estimate the potential impacts of observed channel erosion, where applicable. The results of the watershed modeling will be plotted in GIS mapping to identify high priority areas for BMP implementation. The calibrated watershed modeling will account for the treatment train effects of BMPs in series. The calibrated watershed modeling will also be used to develop the water and phosphorus budgets for input in the in-lake water quality

modeling for calibration to the 2022 monitoring. Barr will adjust model land use inputs to assess what impact, if any, recent construction activity in the watershed could have had on lake water quality.

5. In-lake modeling

Barr will compile water quality (and lake level/quantity) monitoring data and stormwater phosphorus loading estimates from P8 to simulate 2022 (and changes over time), as well as implications for the assimilation capacity of the lake under varying climatic conditions. The modeling, combined with lake level and in-lake water quality monitoring data, will be used to calibrate the in-lake water and phosphorus mass-balance on a daily basis with a spreadsheet-based model that incorporates the results of the water and sediment core sampling and analysis (including a detailed analysis of the dissolved oxygen data to estimate internal phosphorus loading). Barr will estimate water levels over past 20 years and compare to the limited historic water level data to inform the potential for lake drawdown and/or impact of shoreline erosion.

For this task, Barr will also evaluate the in-lake water quality/quantity monitoring data and complete the following subtasks:

- Update TP, chlorophyll-a and Secchi transparency relationships and report on correspondence with the lake water quality goals.
- Potential interrelationships between phosphorus, chlorophyll-a, Secchi-disc transparency, dissolved oxygen, and lake mixing dynamics will also be compared.
- Long-term trends and magnitude of the seasonal and annual variations in the lake will be compared with the observed climatic conditions and used to identify the critical condition for meeting the lake water quality goals and setting phosphorus load reduction goals for lake restoration.
- Estimate or parse out the potential phosphorus loading impacts of wildlife (cormorant, geese, other populations) using data from residents as well as readily available literature research.
- Evaluate the potential phosphorus loading impacts of sources of erosion in the watershed and also erosion of the surrounding lake shoreline and input of shoreline detritus to the lake from high water levels.
- Comment on the expected impact of turf management practices by Resurrection Cemetery on lake water quality (assumes Administrator will coordinate with Cemetery and provide information to Barr on the Cemetery's current practices).
- Comment on the potential impact of nitrogen nutrient cycling on lake water quality.
- Comment on the potential impact of rough fish populations on water lake water quality, referencing fish survey data, if available.
- Comment on the previous assessment of lake discoloration in relation to blue-green algae.

The results of the data analyses used to develop the water and phosphorus budgets will be used to identify and develop implementation strategies for protecting the water-quality of Lake Augusta.

6. Feasibility analysis and reporting

Based on the critical condition for meeting lake water quality goals, the calibrated watershed and in-lake water quality modeling will be used to evaluate the potential watershed BMPs and in-lake management options that can be used to meet the respective phosphorus load reduction goals, both with and without

a lake outlet. Each conceptual improvement option will be modeled for the highest pollutant loading priority locations to develop an estimate of the potential water quality benefits and planning level life-cycle costs. At a minimum, Barr will consider BMPs for stormwater management during street reconstruction projects, turf management by Resurrection Cemetery, erosion stabilization (shoreline, stormwater channel, or other), stormwater pond retrofits, iron-enhanced stormwater pond retrofits, or other practical stormwater BMPs, and lake aeration as an in-lake improvement option. The feasibility of these options will be considered throughout the study; options with no practical benefit may be abandoned from further analysis with thorough explanation provided in the report.

GIS mapping will be developed to show the locations and extent of each improvement option being considered for implementation. The site of each BMP improvement option will be ground-truthed for this feasibility analysis. Where necessary, the results of this task will be used to develop a priority practice ranking, set attainable phosphorus load targets and/or reduction goals for watershed runoff and an internal phosphorus load reduction target to meet in-lake water quality goal(s). The results of this analysis will be compared to the phosphorus load and wasteload allocations published in the 2014 WRAPS and TMDL report.

The estimated planning level costs and benefits associated with each BMP or in-lake improvement option, including the annualized cost per pound of phosphorus reduced (including operation/ maintenance costs), will be tabulated for inclusion in the study report. For this task, Barr will compile the study results and develop the feasibility report. The report will contain or address the following items:

- What phosphorus load reductions and future efforts will be needed to meet the water quality standard—the relative priority and cost for each action ranked against other implementation actions—and provide follow-up assessment or close data gaps that can be used for adaptive management.
- Lake outlet and/or watershed diversion considerations, including regulatory considerations, assumed impact on lake water quality, other benefits to lake outlet, and unintended consequences. Rough costs for an outlet and conceptual outlet siting and routing will be included in final report.
- Implementation plan for all feasible and cost-effective lake and watershed improvement options, including identification of potential funding source, responsible party, and recommended timeline of implementation.

Barr will prepare a draft version of the feasibility report, with one round of comments and edits from LMRWMO and Mendota Heights staff, before Barr delivers a final draft report that LMRWMO staff can provide to the Board. Barr will finalize the feasibility report and deliver electronic files/mapping, including P8 model files, new or updated GIS and BMP data, lake modeling spreadsheet files, as well as GIS mapping to identify high priority areas for BMP implementation.

7. Meetings and presentation of findings

This task includes the following meetings with various entities and/or coordination for planning/developing presentation materials for future meetings:

- LMRWMO and Mendota Heights staff—this assumes one kickoff meeting in advance of the 2022 monitoring season and that a monthly meeting or conference call will occur to review/discuss draft deliverables and/or project status, following the completion of the 2022 monitoring

- One meeting with MDNR to discuss the permit implications for future construction of an outlet for Lake Augusta and/or other proposed watershed diversions

Barr will provide updates to the project team that document project progress and coordinate tasks. We will provide monthly progress reports and budget status updates as part of the monthly invoicing process. We will solicit feedback from LMRWMO on an ongoing basis to ensure clear and timely communication.

This task also includes project management for Barr's personnel, invoicing, internal communications and assisting LMRWMO with BWSR grant reporting.

Estimated Cost and Schedule

The following table summarizes the estimated costs associated with each task described in the scope of services and list of assumptions.

The table also shows the estimated schedule for the completion of the project tasks. The schedule assumes authorization to proceed by the LMRWMO no later than February 9, 2022. The actual schedule will be coordinated with LMRWMO staff and will accommodate coordination with private landowner(s) for lake access, where applicable.

Task	Description of Task	Amount	Estimated Completion
1	Lake Augusta water quality and lake level monitoring	\$ 13,000	September 2022
2	Watershed monitoring	\$ 18,000	September 2022
3	Update background material and GIS mapping	\$ 8,000	April 2022
4	Watershed modeling	\$ 9,500	September 2022
5	In-lake modeling	\$ 8,000	October 2022
6	Feasibility analysis and reporting	\$ 20,000	December 2022
7	Meetings and presentation of findings	\$ 10,000	December 2022
Total Estimated Project Cost		\$ 86,500	

This Agreement will be effective for the duration of the services, unless earlier terminated by either the LMRWMO or us. We will commence work on Task 1 upon receipt of a copy of this letter signed by your authorized representative.

We will inform you of our progress through periodic (e.g., bi-weekly) e-mail updates, telephone calls, invoice details, and other communications.

For the services provided, you will pay us according to the attached Standard Terms. We will bill the LMRWMO approximately monthly. The cost of the services will not exceed \$86,000 without prior approval by the LMRWMO. Work beyond the scope outlined above will be billed on a time-and-expense basis in accordance with our fee schedule, following your written permission or otherwise negotiated with you.

We understand you or your designees have the authority to direct us. We will direct communications to you at the Lower Mississippi River Watershed Management Organization, 4100 220th Street West. Direction should be provided to Greg Wilson at the letterhead address.

During the term of this Agreement, we will maintain the following insurance coverages:

Worker Compensation	Statutory
Employer Liability	\$500K per claim/\$500k aggregate
Commercial General Liability	\$1M per claim/\$2M aggregate, combined single limit
Automobile	\$1M combined single limit
Umbrella/excess policy as to above coverages	\$10M aggregate
Professional Liability (claims-made)	\$5M per claim/\$5M annual aggregate

If this Agreement is satisfactory, please sign the enclosed copy of this letter in the space provided and return it to us.

Sincerely yours,
Barr Engineering Co.

By _____

Janna Kieffer, P.E.
Its Vice President

Accepted this _____ day of _____, 20____

Lower Mississippi River Watershed Management Organization

By _____
Its _____

LMRWMO Plan Update – February 2022

7.1 Watershed Plan Update

Proposed Schedule for Stakeholder Engagemet during LMRWMO Plan Development																																											
Phase	Memo Section	Task description	stakeholder engagement					2020												2021												2022											
			managers	TAC	CAC	cities	agencies	public	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D											
Phase 1	2.5, 2.6	recruit and meet with TAC and CAC	X	X	X																																						
	2.2	implement stakeholder survey	X		X		X																																				
	2.1	distribute plan update notification and summarize responses	X			X	X																																				
	2.7	engage community through events and interviews	X		X	X		X																																			
	NA	Board visioning workshop	X																																								
	2.4	city officials event (boat tour)	X			X																																					
	2.4 (revised)	city officials event (watershed tour) - designed to obtain feedback	X			X																																					
	2.3	host initial planning meeting	X	X	X	X	X	X																																			
	2.8 (new)	Topic presentations to Board of Managers	X			X																																					
	2.9 (new)	Develop LMRWMO outreach template and communication pieces						X																																			
prepare draft plan	NA	aggregate data and update inventory	X			X	X																																				
	NA	Board prioritization of issues and resources	X																																								
	NA	establish measurable goals	X	X																																							
	NA	review policies and performance standards	X	X		X																																					
	NA	update targeted implementation program	X	X	X	X																																					
	NA	compile draft plan and graphic executive summary	X																																								

Current Tasks:

- Revise goals, strategies, and policies
 - CAC meeting 2/7/22
 - TAC meeting 2/16/22

Upcoming Tasks:

- Draft implementation schedule
 - Input from member cities
- Compile draft Plan document

2021 LANDSCAPING FOR CLEAN WATER PROGRAM SUMMARY



**ENGAGING LANDOWNERS
TO PROVIDE THEM THE SKILLS
AND RESOURCES NEEDED TO
IMPROVE WATER QUALITY
IN THEIR COMMUNITIES.**

LANDSCAPING FOR CLEAN WATER



“Never doubt that a small group of thoughtful, committed citizens can change the world; indeed, it is the only thing that ever has.”

—Margaret Mead



LAYOUT



MIDPOINT



FINAL PROJECT



2021 BY THE NUMBERS

- 3** GRANT ROUNDS
- 371** INDIVIDUALS PARTICIPATED IN INTRODUCTION CLASSES
- 96** INDIVIDUALS PARTICIPATED IN MAINTENANCE WORKSHOPS
- 52** PEOPLE PARTICIPATED IN THE OFFICE HOURS PROGRAM
- 142** PROJECTS DESIGNED AS PART OF VIRTUAL DESIGN WORKSHOPS
- 41** RAINGARDENS & NATIVE GARDENS & SHORELINES INSTALLED



The Landscaping for Clean Water program - Introduction class, Design course, and Maintenance workshop - was offered remotely again in 2021. Four Introduction classes were held live via Zoom during the spring. Staff with partner cities joined each class to host breakout sessions for the participants.

New this year, the Maintenance workshop was offered as a series of three virtual classes held live via Zoom, providing participants with season specific information on how to maintain and promote the health, performance, and beauty of their garden!

2021 FINANCIAL CONTRIBUTORS



2021 LANDSCAPING FOR CLEAN WATER PROGRAM SUMMARY

Thank you to everyone who joined the cause to reduce pollution, improve water quality, and increase pollinator habitat on your property this year! Participation at any level - watching the Introduction to Clean Water video, installing a project with the Design Course, or learning some tips and tricks on how to properly maintain your garden with the Maintenance Workshop series - helps to spread interest and know-how to all corners of Dakota County.

Below is a summary of the 2021 participants by City.

Apple Valley

Introduction class registrants	43
Projects designed	20
Installed raingardens	2
Installed native gardens	3

Burnsville

Introduction class registrants	100
Projects designed	34
Installed raingardens	7
Installed native gardens	2
Installed shoreline planting	1

Eagan

Introduction class registrants	44
Projects designed	24
Installed raingardens	2
Installed native gardens	3
Installed shoreline planting	1

Hastings

Introduction class registrants	10
Projects designed	2
Installed native gardens	1

Inver Grove Heights

Introduction class registrants	9
Projects designed	7
Installed raingardens	2
Installed native gardens	2

Lakeville

Introduction class registrants	47
Projects designed	26
Installed raingardens	1
Installed native gardens	4

Mendota Heights

Introduction class registrants	35
Projects designed	21
Installed raingardens	5
Installed native gardens	4

Northfield

Introduction class registrants	2
Projects designed	1
Installed native gardens	1

Randolph

Introduction class registrants	1
Projects designed	1
Installed native gardens	1

Rosemount

Introduction class registrants	30
Projects designed	7
Installed raingardens	2
Installed native gardens	2

South Saint Paul

Introduction class registrants	8
Projects designed	3
Installed raingardens	1

West Saint Paul

Introduction class registrants	8
Projects designed	7
Installed raingardens	1
Installed shoreline planting	1

Installed in partnership with Ramsey County

Raingardens—St. Paul	1
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Non-Dakota County Introduction Participant Cities

Aitkin, Bloomington, Columbia Heights, Minneapolis, Minnetonka, Prescott, Prior Lake, Richfield, Savage, Shakopee, St Paul, Verndale



2021 PARTNERS

Cities

- Apple Valley
- Burnsville
- Eagan
- Lakeville
- Mendota Heights
- Rosemount
- South St Paul

Dakota County

Ramsey County



FIFTEEN YEARS OF CLEAN WATER ACCOMPLISHMENTS

Workshop Participants
 2007-2021 **5,136**

Projects Completed
 2007-2021 **667**

2021 LCW STATS

Intro to Clean Water – Virtual

- 371 Registered
 - 251 Attended – includes Zoom attendance and 107 who registered for the Intro Video only
 - 120 No Shows – all sent Intro Video link

Reg = Registered Att = Attended

City of Residence	Total Intro		Video Reg/Att	Zoom Mar 8		Zoom Mar 23		Zoom Apr 28		Zoom May 3	
	Reg	Att		Reg	Att	Reg	Att	Reg	Att	Reg	Att
Aitkin	2	2	-	-	-	2	2	-	-	-	-
Apple Valley	43	32	16	8	5	13	9	5	1	1	1
Bloomington	3	2	-	2	1	1	1	-	-	-	-
Burnsville	100	59	17	22	10	25	16	29	4	7	12
Columbia Heights	1	1	1	-	-	-	-	-	-	-	-
Eagan	44	32	14	4	3	1	-	17	6	8	9
Farmington	7	3	1	3	1	-	-	3	-	-	1
Hampton	1	0	-	1	-	-	-	-	-	-	-
Hastings	10	7	4	4	1	-	-	2	-	-	2
Inver Grove	9	7	6	2	1	-	-	1	-	-	-
Lakeville	47	35	12	14	7	6	6	13	2	2	8
Lilydale	2	2	2	-	-	-	-	-	-	-	-
Mendota Heights	35	25	16	5	3	7	1	3	3	4	2
Minneapolis	2	2	2	-	-	-	-	-	-	-	-
Minnetonka	1	1	-	1	1	-	-	-	-	-	-
Northfield	2	2	-	1	1	-	-	1	-	-	1
Prescott	1	1	1	-	-	-	-	-	-	-	-
Prior Lake	1	1	-	1	1	-	-	-	-	-	-
Randolph	1	1	1	-	-	-	-	-	-	-	-
Richfield	1	0	-	1	-	-	-	-	-	-	-
Rosemount	30	20	5	13	8	6	4	5	1	1	2
Savage	1	1	-	-	-	1	1	-	-	-	-
Shakopee	1	0	-	1	-	-	-	-	-	-	-
St Paul	9	4	4	3	-	1	-	1	-	-	-
South St Paul	8	4	2	1	-	2	2	3	-	-	-
Verndale	1	0	-	-	-	1	-	-	-	-	-
West St Paul	8	7	3	3	1	-	1	2	-	-	2
TOTAL	371	251	107	90	44	66	43	85	17	23	40

Design Course – Online

- 142 Registrations/Projects (164 People)

Year DC Registrants Took Intro			
2021	104	2017	4
2020	17	2016	1
2019	9	2013	1
2018	5	2011	1

Design Course People by Municipality		Grant Apps Submitted by Municipality	
Apple Valley	20	Apple Valley	5
Bloomington	2	Bloomington	-
Burnsville	34	Burnsville	10
Eagan	24	Eagan	6
Farmington	3	Farmington	-
Hampton	1	Hampton	-
Hastings	2	Hastings	1
Inver Grove Heights	7	Inver Grove Heights	4
Lakeville	26	Lakeville	6
Mendota Heights	21	Mendota Heights	9
Minnetonka	1	Minnetonka	-
Northfield	1	Northfield	1
Randolph	1	Randolph	1
Rosemount	7	Rosemount	3
St Paul	4	St Paul	1
South St Paul	3	South St Paul	1
West St Paul	7	West St Paul	2
TOTAL People	164	TOTAL	50

- 50 Grant Applications Submitted / 41 Grants will be PAID

Design Course / Applications by Watershed						
Watershed	Registered	Apps Submitted & Grants Paid				
		R1	R2	R3	Withdrawn	Total Paid
9-Mile	2	Out of County - Not Eligible for Grant				-
Black Dog	32	4	6	1	2	9
Eagan-Inver Grove Heights	23	3	1	3	1	6
Lower Minnesota River	1	-	-	1	1	0
Lower Mississippi River	32	7	4	4	-	16
Lower Mississippi River – Ramsey	1	-	-	1	-	
Minnehaha	1	Out of County - Not Eligible for Grant				-
North Cannon River	2	-	-	2	1	1
Vermillion River	48	4	3	6	4	9
TOTAL	142	18	14	18	9	41

Zoom One-on-One Appointments

- 52 people registered for 62 total Zoom appointments

# of Zoom Appointments	Total People	Total Appts	# of Apps Submitted by Zoom Participants			
			Round 1	Round 2	Round 3	No Apps
One	44	44	8	11	7	18
Two	6	12	2	2	2	-
Three	2	6	-	-	2	-
Totals	52	62	10	13	11	18

Maintenance Workshops – Virtual / Online

- 3 Maintenance Workshops held via Zoom & Recorded
 - Spring – Thursday, March 11
 - Summer – Thursday, June 10
 - Fall – Thursday, September 23

Workshop	Registered	Number Attended			Total Attended
		Spring	Summer	Fall	
Spring	63	30	15	3	48
Summer	24	-	6	1	7
Fall	9	-	-	5	5
Total	96	30	21	9	60

- 38 people attended 1 workshop
- 6 people attended 2 workshops
- 1 person attended all 3 workshops
- 46 registered and did not attend any workshops
- All people registered were sent video links to all 3 workshops

Maintenance Workshops by City					
City	Registered	Number Attended			Total Attended
		Spring	Summer	Fall	
Apple Valley	14	2	1	2	5
Bloomington	1	1	0	0	1
Burnsville	18	6	3	1	10
Cambridge	1	1	0	0	1
Eagan	11	2	3	1	6
Hastings	5	1	1	0	2
Inver Grove Heights	7	1	1	1	3
Lakeville	17	6	7	0	13
Mendota Heights	10	4	4	1	9
Minneapolis	2	0	0	0	0
Nerstrand	1	1	0	0	1
Savage	1	1	0	0	1
St Paul	3	1	1	0	2
South St Paul	1	0	0	0	0
West St Paul	4	3	0	0	3
Unknown	0	0	0	3	3
Total	96	30	21	9	60

2022 Landscaping for Clean Water (LCW) Program Details for Partners

**Engaging landowners to provide them with the skills and resources needed
to improve water quality in their communities**

Need some inspiration for your garden, but don't know where to start? Want to learn how incorporating native plants into your garden can add amazing water quality benefits to your property? Looking to exercise your green thumb, but want advice on planting pollinator habitat? Knowledge gained through the **Landscaping for Clean Water** program will inform and empower you to create a raingarden, native pollinator garden, or shoreline planting that will bring beauty and great environmental benefits to your property this year and for many to come!

In 2022, the Landscaping for Clean Water program will celebrate its 16th year of educating and assisting residents to install beautiful and low-maintenance plantings. Over the years, we have met with close to 5,200 landowners and installed over 660 projects in neighborhoods all around the county. This program is offered to residents through a partnership between the Dakota County SWCD, and local cities and watershed organizations.

This year's suite of programming - **Introduction to Clean Water Class, Design Course, and Maintenance Workshop** – will provide skills and resources to landowners at every stage of their gardening journey.

The free **Introduction to Clean Water class** focuses on general water quality practices of [raingardens](#), [native gardens](#), and [shoreline stabilizations](#). The classes provide an overview of local water quality challenges and provide beautiful and practical ways of reducing runoff pollutants that are causing issues. It also includes information on cost-share opportunities available to Dakota County residents.

After completing the Introduction to Clean Water class, you can enroll in the **Landscaping for Clean Water Design Course**. This course is a great for those interested in learning about garden planning from the experts, whether you want to know more about site design, plant selection, raingarden installation, or the best plants for our landscape. Participants walk away with a ready-to-install garden!

The **Landscaping for Clean Water Maintenance Workshop** provides season specific information on how to maintain and promote the health, performance, and beauty of your garden. Maintenance workshops apply to raingarden, native garden, or native shoreline restoration projects.



**Make a difference for clean water and pollinators in your neighborhood
by planting a beautiful garden!**

We're here to help – sign up for a class today!

Class details will be available online in early 2022 so head over to the Landscaping for Clean Water website (<https://dakotaswcd.org/services/landscaping-for-clean-water/>) to learn more about the program and sign up to be notified today!

Landscaping for Clean Water logo



Landscaping for Clean Water testimonial image



My husband and I loved this workshop!

We learned so much and were extremely impressed with the content, organization, and delivery of the presentation. I left with so many questions and wanting to know much more...which I believe was effective for an *intro* workshop.

Had this been the only portion of the program offerings that I could attend, I still would have been motivated to use more native plants in my yard and to explore how to develop a rain garden. We are so looking forward to the design workshops!

- Landscaping for Clean Water participant



Landscaping for Clean Water



-  **100% virtual for 2022 season!**
-  **Live Introduction Classes and Maintenance Workshops**
-  **Design Workshop - Virtual Project Consultations**
-  **Registration is open so [sign up](#) today!**
-  **Check out our [website](#) for class dates, times and other details!**



Program Year 2022
Dakota County Soil and Water Conservation District
LANDSCAPING FOR CLEAN WATER (LCW)
GRANT APPLICATION FORM



Please initial that you have read and understand the Grant Policy and Grant Process information located on the reverse side of this application: _____
 Initial

1. APPLICANT / MAIN CONTACT: All information is required.

Name: _____

Address: _____

City, State, Zip: _____

Phone: _____

Email*: _____

(*Email is primarily used for LCW communication)

2. PROJECT TYPE: _____ Raingarden _____ Native Garden _____ Shoreline

3. SOURCE OF RUNOFF: _____ N/A _____ Roof _____ Driveway
 _____ Other (specify) _____

4. SIZE OF RUNOFF AREA: _____ N/A _____ Square Feet

5. SIZE OF PROJECT GARDEN (min. 100 ft²): _____ Square Feet

6. WHICH APPLICATION ROUND WOULD YOU LIKE TO APPLY FOR?

	Application Deadline	Project Completion Deadline*
_____ Round 1	April 20, 2022	July 15, 2022
_____ Round 2	June 1, 2022	August 26, 2022
_____ Round 3	July 13, 2022	October 7, 2022

* Grant automatically expires if the project is not completed by the deadline.

7. ARE YOU APPLYING FOR ANY OTHER FUNDS FOR THIS SAME PROJECT?

_____ Yes, from _____ No

8. PUBLIC OUTREACH: Will you allow a small sign to be place near the project?

_____ Yes _____ No

FOR OFFICE USE ONLY

WS: BD EIGH LMN
 LMR NCR VRW

PID _____

RG Size Ratio _____

NG MN OK: Yes No

ROUND 1 | _____ Move App to R2
 _____ Project Cancelled
 Fund | Ok'd _____

ROUND 2 | _____ Move App to R3
 _____ Project Cancelled
 Fund | Ok'd _____

ROUND 3 | _____ Hold for Grant
 _____ Project Cancelled
 Fund | Ok'd _____

The following forms are required for a complete application; please check that they are included:

_____ Application Page _____ Cost Estimate _____ Project Plan w/ Plant List _____ Property Map w/ Garden Location Marked

I certify that to the best of my knowledge and belief that the information contained in this application is true, complete and accurate:

 Signature of Applicant / Contact

 Date

 Signature of Landowner (if different)

 Date