



Board of Managers Meeting Agenda

Wednesday - August 11th, 2021 - 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 July 14th, 2021 Meeting Minutes - Chair* Action
3. Approve August 11th, 2021 Financial Summary & Invoices - Treasurer* Action
4. Authorize Engineering Review at Pine Bend Bluffs - SWCD* Action
5. Authorize Submittal of Seidls Lake Shoreline Restoration Grant - SWCD* Action
6. Review Draft List of LMRWMO Priority Waterbodies - Barr* Action
7. Updates and Handouts
 - 7.1 Updated Meeting Schedule* Information
 - 7.2 Final Report & Presentation on Nonylphenol and Sediment, Freshwater Society Information
 - 7.3 Other Updates / Member City Updates Information
8. Agenda Items for Next Meeting: September 8th, 2021, Villa Del Sol - Community Room, Saint Paul
 - Draft 2022 Budget
9. Adjourn

*Materials included in full packet

**Materials available separately on website:

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

Remote Meeting Information on Following Page.

Please note, the August 11th, 2021 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.

Topic: LRWMO August 11th Board Meeting

Time: Aug 11, 2021 03:00 PM

Join Zoom Meeting

<https://dakotacountymn.zoom.us/j/96099411366?pwd=eXI2NllvaWtONjU5Rk52L2g3YUtyUT09>

Meeting ID: 960 9941 1366

Passcode: 956913

Dial by your location

+1 651 372 8299 US (Minnesota)



MEETING MINUTES

Board of Managers Regular Meeting

July 14, 2021 - 3:00 p.m.

Meeting Held Remotely Online

Managers and Alternates in Attendance:

Sharon Lencowski, (Chair) Inver Grove Heights
Sheila Vanney, West St. Paul
Michael Randle, South Saint Paul
Julie Eastman, West St. Paul

Mary Jeanne Schneeman, Mendota Heights
Tom Sutton, Lilydale
Lyle Hanzal, Lilydale
Jill Smith, Mendota Heights

Advisors and Others in Attendance:

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

Stephanie Levine, Mendota Heights
Ross Beckwith, West St. Paul
Melissa King, MN BWSR
Joe Barten, Dakota County SWCD

1. Call Meeting to Order

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 Schneeman to approve the agenda for the July 14th, 2021 meeting, second by Sutton; Roll call approval by Lencowski, Schneeman, Randle, Vanney, Sutton; motion passed.

2. Approval of the June 9, 2020 Meeting Minutes

Lencowski asked if there were any changes to the previous meeting minutes, Murphy noted that he was in attendance.

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

3. Approval of the July 14th Financial Summary & Invoices

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

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

4. Authorize Submittal of Watershed Plan Extension Request to State

Barten summarized the information in the packet and noted that this is an important step in the plan update process and to continue to be eligible for State grants.

MOTION by Reid to approve the resolution to request an extension to the LMRWMO watershed management plan and submit the request to the MN Board of Water & Soil Resources, second by Lencowski; Roll call approval by Lencowski, Reid, Schneeman, Randle, Vanney, Sutton; motion passed.

5. Consider Request for Engineering Review at Pine Bend Bluffs

Barten summarized the information in the packet and provided background on the issues in this area. There was discussion on the issue, property ownership considerations, prioritizing a project in this location vs. other locations, the potential role of the WMO in a future project, and future study of erosion prone areas along the Mississippi River. There was general agreement that a third party engineering review by the LMRWMO would be beneficial to help find a solution to the erosion issues in this area. The discussion was tabled until the August meeting to allow Tom Kaldunski to provide input.

6. Updates and Handouts

6.1 Clean Water Fund Grants

Barten noted that the application period for the Fiscal Year 2021 Clean Water Fund Grants is opening in August. He noted that with existing grants, he does not recommend applying for these grants, however, individual Cities are able to apply for funds for their own projects.

6.2 Watershed Plan Update – Citizen Advisory Committee (CAC)

Barten provided a draft list of CAC members to the Board for their review. There was discussion and general consensus by the Board to request that only one member of the Augusta Shores Homeowner Association be represented on the Board to more evenly distribute representation.

MOTION by Lencowski to authorize LMRWMO staff to facilitate the CAC meetings for the LMRWMO Watershed Plan Update, with the change to Augusta Shores representation as discussed, second by Randle; Roll call approval by Lencowski, Reid, Schneeman, Randle, Vanney, Sutton; motion passed.

6.3 Other Updates / Member City Updates

Member City representatives provided updates on projects in their City.

7. Agenda Items for Next Meeting: August 11th, 2021

8. Adjourn

Meeting adjourned by Chair Lencowski at 4:10 pm



FINANCIAL SUMMARY
July 15, 2021 to August 11, 2021

Beginning Balance - Key Community Bank	\$259,151.55
Interest	+
	+
	+
Deposits	+

To be approved at this meeting:

Key Community Bank:

Bank Fee			-
3727	8/11/2021	Ramsey County	-
3728	8/11/2021	Dakota County Soil & Water Conservation District	-
3729	8/11/2021	Freshwater Society	-
			-
			-

Available Balance at Key Community Bank	<u>\$232,285.30</u>
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Gateway Bank Accounts:

<u>Savings</u>		<i>Balance</i>	\$71,260.98
Deposits	<i>Interest</i>	7/31/2021	\$24.70
		<i>Ending Balance</i>	-
			<u>\$71,285.68</u>
<u>Checking</u>		<i>Balance</i>	\$1,000.00
		<i>Ending Balance</i>	-
			<u>\$1,000.00</u>

Available Balance at Gateway Bank	<u>\$72,285.68</u>
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Available Balance - Key Community & Gateway Banks	<u>\$304,570.98</u>
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4th Generation Plan Balance for 2021	\$50,000.00
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*Balance includes dedicated funds to 4th Generation Watershed Plan



Invoice

Dakota County Soil & Water Conservation District

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

DATE	INVOICE #
7/14/2021	3113

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 April 4, 2021 to June 26, 2021			
LMR CWF...	Administration		0.00	0.00
LMR CWF...	Education Programs Discussion on Spanish Education Programs (2.50 Hours)		189.48	189.48
LMR CWF...	Stenciling Programs		0.00	0.00
LMR CWF...	Lake Augusta Study		0.00	0.00
LMR CWF...	Interstate Valley Creek			0.00
	2.50 Hours at BWSR Required Billable Rate.			
			Total	\$189.48



Invoice

Dakota County Soil & Water Conservation District

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

DATE	INVOICE #
7/14/2021	3112

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
	April - June 2021			
Lower Mis...	Administrative Assistance: Board Meeting Coordination and Follow-Up (April 14, May 12, June 9). Invoices Approved for Payment, Monthly Financial Reports Prepared. MCES and Dakota County Meeting. Metro Area Water Planning Meeting. Technical Advisory Committee and Citizen Advisory Coordination with Barr Regarding Draft Plan. Watershed Based Implementation Funding Coordination and Reporting. Sunfish Delisting Coordination with MPCA. BWSR Financial Reconciliation Complete for Thompson Lake and Cherokee Heights Grants.	88.5	80.00	7,080.00
Lower Mis...	Watershed Management Plan Update		0.00	0.00
Lower Mis...	Printing, Paper, Postage Expense		50.00	50.00
Lower Mis...	Request for Proposals for Consultant Services Publication		20.77	20.77
	Education and Outreach Assistance:			
Lower Mis...	Landscaping For Clean Water Workshop (Virtual)		1,600.00	1,600.00
Lower Mis...	Landscaping For Clean Water Design Classes (Virtual/Zoom)		3,200.00	3,200.00
Lower Mis...	MN Water Stewards Program Coordination	18	80.00	1,440.00
Lower Mis...	Website Updates	2.5	80.00	200.00
Lower Mis...	General - Meeting and Coordination with Riverview West Side School for Education Priorities	3	80.00	240.00
	Technical Assistance and Project Implementation			
Lower Mis...	Plan Review - Cherokee Heights Project Inspection	4	80.00	320.00
Lower Mis...	Landscaping for Clean Water Grants Goodman		250.00	250.00
Lower Mis...	Landscaping for Clean Water Technical Assistance Goodman		500.00	500.00

Thank you.

Total

INVOICE

Finance & Commerce, Inc.

a division of BridgeTower Media
 PO Box 745929
 Atlanta, GA 30374-5929
 1 (612) 333-4244

**Dakota County Soil and Water Conservation
 District**
Joe Barten
 4100 220th St W Ste 102
 Farmington, MN 55024-7080

Account #
10032572
Invoice Date
5/6/2021
Invoice #
745053325
Order #
11996488
Terms
NET 30
PO/Case #
Salesrep

Days/Inserts	Description	Size/Qty	Unit Price	Amount
1	<p>REVIEW OF CONSULTANT SERVICES _____ Notice is hereby given that pursuant to Minnesota Statutes 103B.227 Subd. 5, the Board of Managers for the Lower Mississippi River Watershed Management Organization is currently conducting a review of consulting</p> <p>St Paul Legal Ledger (MN) Government / Other REVIEW OF CONSULTANT SERVICES _____ Notice is hereby given that pursuant to Minnesota Statutes 103B.227 Subd. 5, the Board of Managers for the Lower Mississippi River Watershed Management Organization is currently conducting a review of consulting 05/03/2021 -Base Charge</p> <p>LMR WMO Expense</p>	1 col x 2.44in 114 wrd / 20 ln		20.77
TOTAL DUE				20.77

Acceptable Payment Methods:**To Pay by Check:**

BridgeTower OpCo, LLC
 PO Box 745929
 Atlanta, GA 30374-5929

To Pay by ACH:

Bank: Bank of America
 Contact Linda Burnette
 Account Number: 237025443017
 Routing Number: 053000196

To Pay by Credit Card:

Contact Accounts Receivable:
 866-802-8214
 Please have your Invoice Number
 and Credit Card Number Ready

Affidavit of Publication

REVIEW OF CONSULTANT SERVICES

Notice is hereby given that pursuant to Minnesota Statutes §103B.227 Subd. 5, the Board of Managers for the Lower Mississippi River Watershed Management Organization is currently conducting a review of consulting services. Any person or persons interested in serving as auditor, engineer, or legal consultant, may submit a proposal on or before 4:30 p.m., May 15th, 2021 in a sealed envelope, identified on the outside as a Proposal for Consulting Services and sent or delivered to the Lower Mississippi River WMO, c/o Joe Barten, Dakota County Soil and Water Conservation District, 4100 220th St. West, Suite 102, Farmington MN 55024.

(May 3)

===== ST. PAUL LEGAL LEDGER =====
11996488

STATE OF MINNESOTA)

(SS.

COUNTY OF RAMSEY)

Description: REVIEW OF CONSULTANT SERVICES

Notice is hereby given that pursuant to

Bill Gaier

, being duly sworn on oath say she/he is and during all times herein stated has been the publisher or the publishers designated agent in charge of the newspaper known as

St Paul Legal Ledger (MN)

and has full knowledge of the facts herein stated as follows:

(A) The newspaper has complied with all of the requirements to constitute a qualified newspaper under Minnesota law, including those requirements found in Minnesota Statute Section 331A.02..

(B) She/He further states on that the printed

Other

11996488

hereto printed as it was printed and published there in the English language; that it was first so published on

May 03, 2021 for 1 time(s):

the subsequent dates of publications being as follows:

Mon, May 3, 2021

And that the following is a printed copy of the lower case alphabet from A to Z, both inclusive, and is hereby acknowledged as being the size and kind of type used in the composition and publication of said notice, to wit:

X

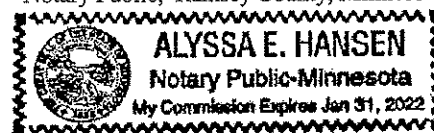
abcdefghijklmnopqrstuvwxyz
abcdefghijklmnopqrstuvwxyz

Mortgage Foreclosure Notices (effective 7/1/2015). Pursuant to Minnesota Statutes §580.033 relating to the publication of mortgage foreclosure notices: The newspaper's known office of issue is located in Ramsey County. The newspaper complies with the conditions described in §580.033, subd. 1, clause (1) or (2). If the newspaper's known office of issue is located in the county adjoining the county where the mortgaged premises or some part of the mortgaged premises described in the notice are located, a substantial portion of the newspaper's circulation is in the latter county.

Subscribed and

Sworn to before me this 3rd day of May, 2021

(Notarial Seal) Notary Public, Ramsey County, Minnesota



RATE INFORMATION:

1. Lowest classified rate paid by commercial users for comparable space:	\$ 16.0000
2. Maximum rate allowed by law for the above matter:	\$ 1.05922
3. Rate actually charged for the above matter:	\$ 0.9629



GOODMAN RESIDENTIAL RAINGARDEN



BEFORE

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



AFTER

PROJECT: Installation of a 180 square foot residential raingarden.

COST: Project materials cost estimated at \$605

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:

- Spring 2021





MEMORANDUM

To: Nancy Bauer
From: Joe Barten, LMRWMO Administrator
Subject: Lower Mississippi River - Financial Actions
Date: July 26, 2021

Enclosed please find the following invoices for payment:

- Invoice #PRK-001939 dated 7/26/21 in the amount of \$108.00

This invoice is for design and technical assistance from Ramsey County Environmental Resources staff, for assistance with Landscaping for Clean Water Design Course participants that reside in the portion of LMRWMO within Ramsey County.

Thank you and please contact me with any questions.

Joe Barten
Administrator
Lower Mississippi River Watershed Management Organization

Enclosed: Ramsey County billing statements



MEMORANDUM

To: Nancy Bauer
From: Joe Barten, LMRWMO Administrator
Subject: Lower Mississippi River - Financial Actions
Date: July 20, 2021

Enclosed please find the following invoices for payment:

- Invoice #PRK-001785 dated 8/04/20 in the amount of \$864.00
- Invoice #PRK-001814 dated 9/30/20 in the amount of \$378.00
- Invoice #PRK-001919 dated 3/31/21 in the amount of \$126.00

7-20-2021 108.00
\$ 476.00

Please prepare one check for the total amount of \$1,368.00 to cover the three invoices.

All invoices are for design and technical assistance from Ramsey County Environmental Resources staff, for assistance with Landscaping for Clean Water Design Course participants that reside in the portion of LMRWMO within Ramsey County.

Thank you and please contact me with any questions.

Joe Barten
Administrator
Lower Mississippi River Watershed Management Organization

Enclosed: Ramsey County billing statements

DETAIL

DATE	7/19/2021
CUSTOMER	148510

Lower Mississippi River WMO
c/o Dakota County SWCD
4100 220th Street West
Farmington, MN 55024

OTHER COMMENTS

If you have any questions about this invoice, please contact
Ann WhiteEagle • 651-266-7270 • ann.whiteeagle@co.ramsey.mn.us

Thank You For Your Business!

DETAIL

DATE 7/21/2020
CUSTOMER

Lower Mississippi River WMO
c/o Dakota County SWCD
4100 220th Street West
Farmington, MN 55024

DESCRIPTION	Hours	Rate	AMOUNT
			-
			-
Charges for Design and Technical Assistance 4/1/20 - 6/30/20 (detail attached)			-
			-
			-
Brian Olsen, Environmental Resources Specialist			
Clean Water Workshops (26 hours max)	9.00	72.00	648.00
Landowner Coordination (6 hours max)	1.00	72.00	72.00
			-
Technical Assistance (36 hours max)	2.00	72.00	144.00
			-
			-
			-
TOTAL		\$	864.00

OTHER COMMENTS

Make all checks payable to
Ramsey County
90 Plato Blvd West
St. Paul, MN 55107

If you have any questions about this invoice, please contact
Ann WhiteEagle • 651-266-7270 • ann.whiteeagle@co.ramsey.mn.us

Thank You For Your Business!

DETAIL

DATE	10/20/2020
CUSTOMER	18510

DESCRIPTION	Hours	Rate	AMOUNT
			-
			-
Charges for Design and Technical Assistance 7/1/20 - 9/30/20 (detail attached)			-
			-
Brian Olsen, Environmental Resources Specialist			-
Clean Water Workshops (26 hours max - balance 17 hours)		72.00	-
Landowner Coordination (6 hours max - balance 3.5 hours)	1.50	72.00	108.00
			-
Technical Assistance (36 hours max - balance 30.25 hours)	3.75	72.00	270.00
			-
			-
			-
TOTAL		\$	378.00

Make all checks payable to
Ramsey County
90 Plato Blvd West
St. Paul, MN 55107

Thank You For Your Business!

Soil & Water Conservation Division

DETAIL

2015 Van Dyke Street
Maplewood, MN 55109
Phone: 651-266-7270

DATE 4/13/2021
CUSTOMER 148510

BILL TO

Lower Mississippi River WMO
c/o Dakota County SWCD
4100 220th Street West
Farmington, MN 55024

DESCRIPTION	Hours	Rate	AMOUNT
			-
			-
Charges for Design and Technical Assistance 1/1/21 - 3/31/21 (detail attached)			-
			-
			-
Brian Olsen, Environmental Resources Specialist			
Clean Water Workshops (12 hours max - balance 12 hours)		72.00	-
Landowner Coordination (6 hours max - balance 5 hours)	1.00	72.00	72.00
			-
Technical Assistance (36 hours max - balance 35.25 hours) (Landscaping for Clean Water)	0.75	72.00	54.00
			-
Technical Assistance (12 hours max - balance 12 hours) (Drainage Issues or BMP project implementation oversight)		72.00	-
			-
	TOTAL	\$	126.00

OTHER COMMENTS

Make all checks payable to
Ramsey County
90 Plato Blvd West
St. Paul, MN 55107

If you have any questions about this invoice, please contact
Ann WhiteEagle • 651-266-7270 • ann.whiteeagle@co.ramsey.mn.us

Thank You For Your Business!



2550 University Ave W
Suite 212N
St. Paul, MN 55114

Invoice

Invoice #: 1161
Invoice Date: 6/30/2021

P.O. Number:

Bill To:

Lower Mississippi Rvr Watershed Mgmt Org
112 E. 5th St #102
Chaska, MN 55318

[illegible]

Exhibit A

Contractor Name/ Organization: Freshwater	Federal EIN:
Mailing Address: 2424 Territorial Road, Suite B. St. Paul, MN 55114	Telephone Number: (612) 718-1415
Work Dates: July 1 st , 2019 – June 30 th , 2020	Email: cjennings@freshwater.org

Background

Our research project this summer consists of documenting the contaminant history of nonylphenol and its ethoxylates within the Twin Cities' Urban Watershed. Nonylphenol and its ethoxylates (NP & NPE) are alkylphenol compounds which act as endocrine disrupting chemicals. These compounds have traditionally been used in many laundry detergents, dish soaps, pesticides, and industrial surfactants. They are harmful to humans - particularly to pregnant women and children - due to their inhibition of neurological development, memory, and growth. Additionally, they are highly toxic to aquatic organisms, particularly fish, because they reduce male fertility, survival of young, and cause the feminization; all factors which can drastically reduce aquatic ecosystem health.

In 2010, the EPA began encouraging companies to voluntarily phase-out these contaminants due to their toxicity, environmental persistence (half-life ~60 years), and their ability to bioaccumulate within aquatic organisms. However, these chemicals are still implemented commercially and are being produced in wastewater treatment plants as a byproduct of their processes. Because it is unclear how prevalent these contaminants are within our waterways, we are interested in assessing the current concentrations of the contaminants and how they have changed over time, particularly within the last 20 years.

To execute this study, we plan on extracting core samples from Rice Lake in Eden Prairie, Snelling lake downstream from Blue Lake and Seneca Wastewater Treatment Plants, Pig's Eye Lake which is positioned after the Minnesota and Mississippi River confluence and downstream of the Metro Plant WWTP, and, finally, River Lake, which is downstream from all of these WWTPs. We will be performing the initial core description, an in-depth pollen analysis, lead-210 dating, and a chemical analysis in order to properly construct an age-depth model for the cores. This model will then enable us to accurately reconstruct the contaminants' history.

Scope of Services

- 1) We want to understand how the concentrations of these contaminants have changed since they were introduced back in 1940. We want to understand if sediment concentrations for these compounds have decreased since 2010, as hypothesized, or if they are remaining static/increasing within fluvial lakes located within the Twin Cities Urban Watersheds.
- 2) We would then like to assess, based on our project's results, if further research or regulation of the contaminants would be beneficial to Minnesota's communities and ecosystems.
- 3) We would like to understand how these contaminants are spatially distributed throughout the lower Minnesota River and downstream its confluence with the Mississippi river. Particularly before and after waste water treatment plants in order to understand how the rivers and WWTP's plant a role in the release of these chemicals.
- 4) We would like to be able to use the cores we collect to calculate sedimentation rates for these lakes. This would be useful knowledge for watershed districts and any other concerned party to help improve planning and future management.

Schedule of Work and Budget

please submit a budget for the above work in the following format or similar broken out for each retreat planned:

	Target Date for completed task	Cost of scope or task
Task 1 Lake Coring	July 9 th -11 th , 2019	\$3,280.89
Task 2 LacCore Lab Analysis	July 12 th - Aug 8 th 2019	\$5,693.82
Task 3 Pollen Analysis at LacCore Lab	July 12 th - Aug 8 th 2019	\$7,599.50
Task 4 Lead-210 Dating	July 12 th - Aug 8 th 2019	\$8,000.00
Task 5 Chemical Analysis at Legend	Aug 1 st - Sept 1 st 2019	\$5,500.00
Task 6 Produce Report	July 1 st , 2019 - June 30 th , 2020	\$0

Deliverables

We will deliver a published report by the end of the fiscal year providing in-depth description of our findings.

Payment Schedule

The Contractor invoices may be submitted once and is subject to verification by the person identified in Paragraph XIX. The LMRWMO has 30 calendar days from the receipt of invoice to pay the contractor.

NAMING RIGHTS AND ACKNOWLEDGEMENTS

To assure that appropriate credit for funding and other contributions of the LMRWMO and its staff members is given for their participation in the project, the LMRWMO shall have their name and logo represented in the materials that are developed and will be acknowledged in printer materials, publications, presentations and other uses and materials developed under this Agreement. T

OWNERSHIP AND USE OF WORK PRODUCT

All data notes, working papers, reports and other work products produced in fulfilling the Contractor's obligations under this Agreement (hereinafter "Work Product") shall become upon creation, the property of the LMRWMO.

The Contractor represents and warrants that the Work does not and will not infringe upon any intellectual property rights of other persons or entities.

COMPENSATION

The Contractor will submit a record of expenses incurred (Provide detail).

The LMRWMO will pay the Contractor after the Contractor submits an itemized invoice for the services actually performed and upon receipt of each Work Product All invoices are subject to verification by the LMRWMO's Executive Director.

No more than 90% of the amount due under this contract may be paid until the final Work Products have been submitted and reviewed by the LMRWMO'S Executive Director.

LMRWMO 2021 Financial Summary											
Actual Revenues											
ESTIMATED REVENUES AND ASSETS	Budget	Dec 10 2020 - Jan 13 2021	Jan 14 - Feb 10 2021	Feb 11 - Mar 10 2021	Mar 12 - April 14 2021	April 15 - May 12 2021	May 13 - June 9 2021	June 10 - July 14 2021	July 15 - Aug 11 2021		Total Variance
Use of Fund Balance	\$28,896.00										\$0.00 \$28,896.00
Dues from Members	\$110,224.00			\$48,007.65	\$62,216.70						\$110,224.35 (\$0.35)
Interest	\$600.00	\$43.47	\$43.24	\$56.34	\$46.68	\$29.25	\$35.14	\$47.23	\$24.70		\$326.05 \$273.95
Other/Grant Match	\$0.00	\$300.00	\$300.00								\$600.00 (\$600.00)
LMCIT Rebate	\$500.00	\$360.00									\$360.00 \$140.00
Other Grants	\$0.00										\$0.00 \$0.00
BWSR FY16-18 CWF, FY19 WBF, FY21 WBF Grants ²	\$405,000.00			\$230,400.00		\$46,521.00	\$127,600.00				\$404,521.00 \$479.00
TOTAL	\$545,220.00	\$703.47	\$343.24	\$278,463.99	\$62,263.38	\$46,550.25	\$127,635.14	\$47.23	\$24.70		\$111,510.40
Actual Expenses											
ESTIMATED EXPENSES AND LIABILITIES	Budget	Dec 10 2020 - Jan 13 2021	Jan 14 - Feb 10 2021	Feb 11 - Mar 10 2021	Mar 12 - April 14 2021	April 15 - May 12 2021	May 13 - June 9 2021	June 10 - July 14 2021	July 15 - Aug 11 2021		Total Balance Remaining
Engineering/Technical Assistance											
Technical Assistance	\$5,500.00	\$17.00		\$426.00	\$280.00	\$930.00		\$134.00	\$320.00		\$2,107.00 \$3,393.00
Meetings	\$6,000.00	\$725.00		\$781.00	\$675.00	\$2,946.00		\$900.00			\$6,027.00 (\$27.00)
Plan Reviews	\$0.00										\$0.00 \$0.00
Watershed Plan Amendment	\$40,000.00					\$5,076.50		\$1,275.00			\$6,351.50 \$33,648.50
Project Planning/Implementation											
Plan Implementation	\$0.00										\$0.00 \$0.00
Landscaping for Clean Water Projects	\$15,000.00		\$3,750.00						\$2,226.00		\$5,976.00 \$9,024.00
Water Monitoring	\$6,500.00	\$2,730.00	\$1,200.00			\$4,600.00			\$2,800.00		\$11,330.00 (\$4,830.00)
Education											
Landscaping for Clean Water Workshops	\$6,400.00								\$4,800.00		\$4,800.00 \$1,600.00
MN Water Stewards Program	\$10,500.00		\$520.00	\$6,000.00		\$2,240.00			\$1,440.00		\$10,200.00 \$300.00
Storm Drain Stenciling Program	\$0.00										\$0.00 \$0.00
Storwater Signage Program	\$2,500.00										\$0.00 \$2,500.00
WMO Tabling/Event Materials	\$600.00										\$0.00 \$600.00
Host Neighborhood or Lake Assn. Mtgs	\$1,200.00										\$0.00 \$1,200.00
General Education Requests	\$1,000.00					\$120.00			\$7,740.00		\$7,860.00 (\$6,860.00)
Metro Watershed Partners Membership	\$1,000.00				\$1,000.00						\$1,000.00 \$0.00
Board Tour / Boat Tour	\$4,000.00										\$0.00 \$4,000.00
Website Maint.	\$1,700.00		\$225.00			\$320.00			\$200.00		\$745.00 \$955.00
CAC Coordination	\$1,120.00										\$0.00 \$1,120.00
Board Education	\$1,500.00										\$0.00 \$1,500.00
Administration											
General Administration	\$30,000.00	\$2.00	\$4,012.00	\$4.00	\$2.00	\$15,370.00	\$2.00	\$4.00	\$7,150.77		\$26,546.77 \$3,453.23
Accounting Services	\$1,400.00										\$0.00 \$1,400.00
Insurance	\$2,500.00										\$0.00 \$2,500.00
Attorney and Audit	\$4,500.00	\$34.00	\$664.80	\$325.00			\$68.00	\$4,000.00			\$5,091.80 (\$591.80)
BWSR FY16-19 CWF & WBF Grants³	\$550,000.00	\$0.00	\$203,729.78	\$270,979.37	\$0.00	\$1,364.22	\$26,222.14	\$0.00	\$189.48		\$502,674.47 \$47,325.53
Subtotal Operating Costs Only	\$142,920.00	\$3,508.00	\$10,371.80	\$7,536.00	\$1,957.00	\$31,602.50	\$70.00	\$6,313.00	\$26,676.77		\$88,035.07
TOTAL EXPENSES	\$835,840.00	\$3,508.00	\$214,101.58	\$278,515.37	\$1,957.00	\$32,966.72	\$26,292.14	\$6,313.00	\$26,866.25		\$590,709.54
Overall Fund Balance		\$376,255.11	\$162,496.77	\$162,445.39	\$222,751.77	\$236,335.30	\$337,678.30	\$331,412.53	\$304,570.98		
Total Clean Water Fund Grant Balance		\$212,956.51	\$9,226.73	-\$31,352.64	-\$31,352.64	\$13,804.14	\$115,182.00	\$115,182.00	\$114,992.52		
LMRWMO Operating Fund Balance		\$163,298.60	\$153,270.04	\$193,798.03	\$254,104.41	\$222,531.16	\$222,496.30	\$216,230.53	\$189,578.46		
Unencumbered Operating Fund Balance¹		\$118,298.60	\$108,270.04	\$148,798.03	\$209,104.41	\$177,531.16	\$177,496.30	\$171,230.53	\$144,578.46		
Carryover Fund Balance from Dec. 10, 2020	\$ 379,059.64										

2020 Budget Notes:

- \$45,000 total set aside in 2021 for Watershed Management Plan
- Budget is an estimate and will vary depending on grant project progress.

LMRWMO Grants Financial Summary (2016-2021)														
ESTIMATED REVENUES AND ASSETS	Budget	Sum: Dec 13 2018 - Dec 11 2019	Sum: Dec 13 2018 - Dec 11 2019	Dec 10 2020 - Jan 13 2021	Jan 14 - Feb 10 2021	Feb 11 - Mar 10 2021	Mar 12 - April 14 2021	April 15 - May 12 2021	May 13 - June 9 2021	June 10 - July 14 2021	July 15 - Aug 11 2021		Total	Variance
BWSR FY16-18 CWF Grant Payment - Thompson	\$576,000.00					\$230,400.00			\$57,600.00				\$576,000.00	\$0.00
BWSR FY16-18 CWF Grant Payments - Alum	\$196,000.00	\$78,400.00	\$19,600.00										\$196,000.00	\$0.00
BWSR FY18 CWF Grant Payments - Cherokee	\$700,000.00	\$280,000.00							\$70,000.00				\$700,000.00	\$0.00
*Lake Augusta Matching Funds ¹	\$24,500.00												\$37,500.00	\$13,000.00
*Sunfish Lake Matching Funds	\$24,500.00												\$27,000.10	\$2,500.10
Thompson Lake Matching Funds	\$144,000.00												\$0.00	(\$144,000.00)
FY-2019 Watershed Based Funding Grant Payment	\$144,670.00	\$72,335.00											\$72,335.00	(\$72,335.00)
FY-2021 Watershed Based Funding Grant Payment	\$93,042.00							\$46,521.00					\$46,521.00	(\$46,521.00)
TOTAL MATCH FUND RECEIVED	\$193,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$64,500.10	(\$128,499.90)
TOTAL GRANT FUNDS RECEIVED	\$1,616,670.00	\$430,735.00	\$19,600.00	\$0.00	\$0.00	\$230,400.00	\$0.00	\$46,521.00	\$127,600.00	\$0.00	\$0.00		\$1,590,856.00	(\$808,335.00)
ESTIMATED EXPENSES AND LIABILITIES	Budget	Sum: Dec 13 2018 - Dec 11 2019	Sum: Dec 12 2019 - Dec 9 2020	Dec 10 2020 - Jan 13 2021	Jan 14 - Feb 10 2021	Feb 11 - Mar 10 2021	Mar 12 - April 14 2021	April 15 - May 12 2021	May 13 - June 9 2021	June 10 - July 14 2021	July 15 - Aug 11 2021		Total	Balance Remaining
Thompson Lake Stormwater Improvements														
Grant Administration	\$15,000.00	\$3,256.48	\$1,054.02		\$1,169.94								\$9,830.44	\$5,169.56
Project Development	\$15,000.00	\$5,983.64	\$2,490.12		\$415.14								\$23,051.40	(\$8,051.40)
Education and Outreach	\$18,000.00	\$18,072.64	\$730.37										\$21,178.01	(\$3,178.01)
Engineering, Design, Permitting	\$140,000.00	\$56,869.10	\$3,090.26			\$49,918.24							\$156,247.26	(\$16,247.26)
Forebay, Wetland, & Pond Install	\$344,000.00	\$72,719.65	\$71,912.11			\$187,406.13							\$332,037.89	\$11,962.11
Forebay, Wetland, & Pond Install Match	\$144,000.00	\$63,382.60				\$304,001.72							\$378,486.73	(\$234,486.73)
Water Reuse Irrigation System	\$44,000.00					\$33,655.00							\$33,655.00	\$10,345.00
Cherokee Heights Stormwater														
Grant Administration	\$12,000.00	\$5,014.73	\$1,927.77										\$7,462.50	\$4,537.50
Project Development	\$10,000.00	\$5,543.36	\$1,118.01										\$11,901.37	(\$1,901.37)
Rainbarrel Program	\$15,000.00	\$11,163.91											\$12,003.91	\$2,996.09
Ravine Stabilization	\$275,000.00	\$187,519.28			\$155,142.40				\$26,222.14				\$368,883.82	(\$93,883.82)
Ravine Stabilization Match	\$210,000.00	\$57,996.18											\$57,996.18	\$152,003.82
Ravine Stabilization Engineering, Design	\$137,000.00	\$90,323.45			\$46,964.56								\$137,288.01	(\$288.01)
Stormwater BMP Construction	\$211,000.00	\$137,011.46											\$137,011.46	\$73,988.54
Stormwater BMP Construction Match	\$170,000.00	\$117,003.82											\$117,003.82	\$52,996.18
Stormwater BMP Engineering, Design	\$40,000.00	\$25,448.93											\$25,448.93	\$14,551.07
FY 2019 Watershed Based Funding														
Grant Administration	\$8,000.00	\$37.35	\$43.23					\$378.95					\$459.53	\$7,540.47
Education Program Implementation	\$36,000.00	\$914.60						\$985.27					\$1,899.87	\$34,100.13
Education Program Project Dev.	\$4,670.00	\$87.41	\$144.22								\$189.48		\$421.11	\$4,248.89
Education Program Project Dev. Match	\$4,670.00												\$0.00	\$4,670.00
Interstate Valley Creek Project Dev.	\$4,000.00	\$74.69											\$74.69	\$3,925.31
Interstate Valley Creek Study	\$44,000.00												\$0.00	\$44,000.00
Interstate Valley Creek Study Match	\$25,000.00												\$0.00	\$25,000.00
Lake Augusta Project Development	\$4,000.00	\$373.45	\$597.10		\$37.74								\$1,008.29	\$2,991.71
Lake Augusta Study	\$44,000.00												\$0.00	\$44,000.00
Lake Augusta Study Match	\$30,000.00												\$0.00	\$30,000.00
TOTAL GRANT EXPENSE														
TOTAL GRANT EXPENSE	\$1,616,670.00	\$625,334.00	\$83,107.21	\$0.00	\$203,729.78	\$270,979.37	\$0.00	\$1,364.22	\$26,222.14	\$0.00	\$189.48		\$1,475,863.48	\$140,806.52
TOTAL MATCH EXPENSE														
TOTAL MATCH EXPENSE	\$632,670.00	\$238,382.60	\$0.00	\$0.00	\$0.00	\$304,001.72	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$617,980.53	\$14,689.47
LMRWMO GRANT FUND BALANCE														
LMRWMO GRANT FUND BALANCE		\$276,463.72	\$212,956.51	\$212,956.51	\$9,226.73	-\$31,352.64	-\$31,352.64	\$13,804.14	\$115,182.00	\$115,182.00	\$114,992.52			

1. Includes \$35,000 from City, \$2,500 from Lake Augusta residents.
Note: Budget reflects most recent BWSR work plan, not original work plan
Note: Revenue and expenditures from 2016, 2017, 2018, and 2019 are shown but have been aggregated
Represents an overpayment by BWSR to LMRWMO, immediately reimbursed back to state.



MEMORANDUM

To: LMRWMO Board of Managers
From: Joe Barten, Dakota County SWCD
Subject: Request for Engineering Review for Pine Bend Ravine Erosion
Date: July 10, 2021

Summary

Dakota County, the City of Inver Grove Heights, the MN DNR, and a local property owner have been in coordination for over a year in response to a severely eroded ravine that was identified in 2020. The ravine is located to the East of Interstate Trucking, off Hwy 52 in Inver Grove Heights. It starts at a Dakota County bike trail and extends down to the Mississippi River.

The MN DNR and Dakota County are trying to reach consensus after a few memorandums and studies have been completed. They are requesting a review of existing information by a third party, the LMRWMO, to provide an opinion on potential options to protect the ravine and remedy the erosion issues.

This was discussed and tabled for discussion at the July 14th LMRWMO Board meeting to be further discussed at the August 11th LMRWMO Board meeting.

Board Action Requested: Discuss potential to request Barr Engineering review this project as discussed, which may include review of existing stormwater modeling data, review existing studies completed to date, provide one site visit with LMRWMO, County, and MN DNR staff, prepare a memorandum with recommendations based on existing data and identify any data gaps which may exist that are necessary to reach consensus on the best remedy the issues in this area.

Attached: Request for engineering review by the LMRWMO from Dakota County staff.

From: [Behan, Michael](#)
To: [Barten, Joe](#)
Cc: [Hoopingarner, Taud](#)
Subject: Pine Bend Bluffs SNA Ravine
Date: Wednesday, June 30, 2021 1:35:20 PM
Attachments: [image001.png](#)

Joe,

Taud Hoopingarner and I met with Holly Bernardo (MN DNR) regarding potential design options and funding strategies for the ravine erosion at the Pine Bend Bluffs SNA in IGH. I think we're all in agreement that it would be beneficial for the WMO Engineer to evaluate the existing (City and County) studies and provide a high-level opinion on the potential options to protect the eroded ravine. As we discussed, it may be more cost-effective to bolster the emergency overflow of the I-State pond and send all flows northward than to accommodate future overflows in the eroded ravine. We would need to alleviate the DNR's concerns about impacts to the north basin as well as removing hydrology from the existing southeast wetland that currently discharges to the ravine. Ultimately, I think the DNR's goal is to vegetatively restore the ravine with no impacts to the existing wetlands (or vegetation due to construction activity) within the SNA.

In addition, the DNR is interested in having this issue considered for prioritization in the WMO's new Watershed Management Plan so that the project may be more competitive for future CWF grant funding cycles. We appreciate the WMO's collaboration on this potential project and continued discussion moving forward. Let me know if there is anything needed from the County to initiate the small-scale WMO Engineer study/memo.

Thanks,
Mike

Mike Behan, CPESC
Sr. Environmental Specialist - Stormwater



Environmental Resources Department

P 952-891-7539
W www.dakotacounty.us
A 14955 Galaxie Avenue, Apple Valley, MN 55124



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MEMORANDUM

To: LMRWMO Board of Managers
From: Joe Barten, Dakota County SWCD
Subject: Authorize Submittal of Grant Proposal to the MN Department of Natural Resources
for the Seidl's Lake Shoreline Restoration Project
Date: August 3, 2021

Summary

The LMRWMO Administrator has been in coordination with City of South St. Paul and City of Inver Grove Heights staff on a potential grant application for the Seidl's Lake Shoreline Restoration project. This project is connected to the planned pump station/lake outlet project. The new lake level will expose large areas of shoreline previously under water, which require stabilization, restoration, and native plantings. The LMRWMO Watershed Management Plan identifies the construction of a Seidl's Lake lift station and this project is considered a direct extension prioritized project.

The most appropriate grant program to seek funding appears to be the [MN DNR's Conservation Partners Legacy Grant program](#). The LMRWMO Administrator has talked to MN DNR staff regarding the project and received feedback that it would be a good fit for the grant.

Attached is a memo from the South St. Paul consultant with additional detail on the project.

Financial Impact: Time required for the LMRWMO Administrator to coordinate submittal of a grant could total approximately \$2,000 to \$3,000.

Board Action Requested: Authorize the LMRWMO Administrator to coordinate with the Cities of South St. Paul and Inver Grove Heights to prepare and submit a grant application for the "Seidl's Lake Shoreline Restoration" project through the MN DNR's Conservation Partners Legacy Grant program.

Attached: Memorandum from WSB (Consultant for South St. Paul) regarding the project and potential grant application

Memorandum

To: Sue Polka, PE, City of South St. Paul
Tom Kaldunski, PE, City of Inver Grove Heights
LMRWMO Board of Managers
Joe Barten, Dakota County SWCD

From: Jake Newhall, PE
Luke Lunde

Date: July 9, 2021

Re: Seidls Lake Shoreline Restoration Conceptual Design Memo
WSB Project No. 018376-000

WSB was hired to complete a shoreline restoration study for Seidls Lake. The purpose of this design memo is to provide a current assessment of the existing conditions and recommendations for consideration related to tree removal, shoreland and slope restoration techniques, native vegetation establishment, and tree/shrub plantings.

Restoration of the Seidls Lake area is a continued priority for South St. Paul and Inver Grove Heights as they desire it to be the centerpiece of a regional trail system and an amenity for the public to enjoy.

EXISTING CONDITIONS

Seidls Lake is a DNR public water that receives significant surface water runoff from the adjacent landscape and multiple stormwater outfalls. The fluctuation in lake water levels has adversely affected the existing condition and vegetation of the lake shore. This problem has been a priority issue for the Lower Mississippi River Watershed Management Organization and cities of South St. Paul and Inver Grove Heights for many years. Recent field visits documented the most current condition that includes significantly eroded shorelines, lack of healthy vegetation, and high numbers of deadfall within the lake and along the shorelines.

The trail along the east side of Seidls is in very poor condition and needs to be reconstructed. In many locations the trail is washed away or badly deteriorated. In addition, there is a desire to construct an additional access point and extend the trail to the south providing a connection to an existing trail in Inver Grove Heights to the trail on the east side of Seidls Lake.

STORMWATER IMPROVEMENTS

South St. Paul and Inver Grove Heights recently received funding from the State Legislature to help construct a lift station to result in more consistent water levels (there is no outlet currently so the basin water levels are subject to high levels of fluctuation). The proposed pump station will provide normal lake level elevations between approximately 805 and 807. The pump station will also help minimize the duration of bounce after large rainfall events which will improve the current dynamic state of water levels in the lake system and provide potential for restoration of eroded lake shoreline and lakeshore habitat for wildlife, fish species, and passive recreation.

PROPOSED LOCATIONS AND RESTORATION

Results of the onsite review identify the north, south, and east lake shoreline will require moderate to substantial improvements which range from vegetative removal to shoreline stabilization. The west shoreline is considerably more stable resulting in limited improvements that include removal of existing deadfall and tree/shrub removal along the riparian lakeshore. See the Seidls Lake Restoration Study figure attached to this memo for proposed locations of restoration.

RESTORATION FEATURES

Proposed shoreland stabilization and habitat features for this project are current techniques utilized by the Minnesota DNR which include toe rock benches, toe wood structures, root wads, and native plant species plantings. See existing/proposed conditions photos included with this memo.

COMMITMENT TO WATER QUALITY

The Cities of South St. Paul and Inver Grove Heights are extremely committed to water quality in Seidls Lake. Stormwater quality BMPs have been constructed by both cities upstream of Seidls Lake in the recent past to remove pollutants and improve the quality of stormwater runoff discharged to the lake. Future opportunities may exist to target additional water quality, but at this time the priority is the in-lake and shoreline improvements to improve habitat and restore the degraded shoreline from years of erosion and water level fluctuation.

COST ESTIMATE

Anticipated costs for the shoreline restoration and trail have been broken down as follows:

Shoreline Restoration Component

Vegetation/restoration, contingencies, and indirect costs: \$375k

Conservation partners legacy grant funding is up to \$400k but we estimate project cost of \$375k and we would request \$300k with a match of \$75k, exceeding the required 10%.

Vegetation funding needed from SSP and IGH = \$75k.

Trail Component

Trail construction, contingencies, and indirect costs: \$440k.

DNR Trail grant funding is \$150k with a minimum 25% match.

Trail funding needed from SSP and IGH = \$290k

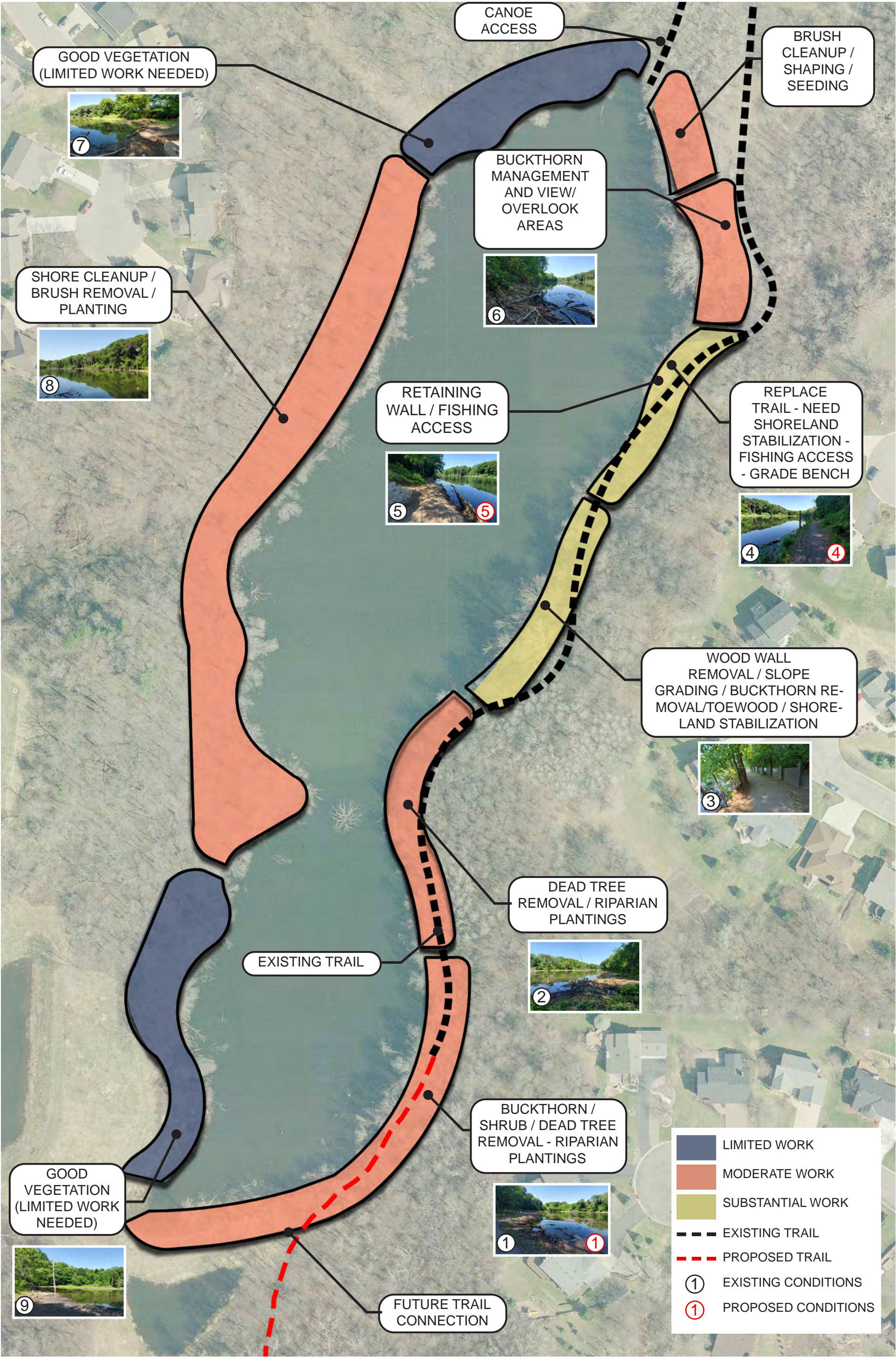
Total

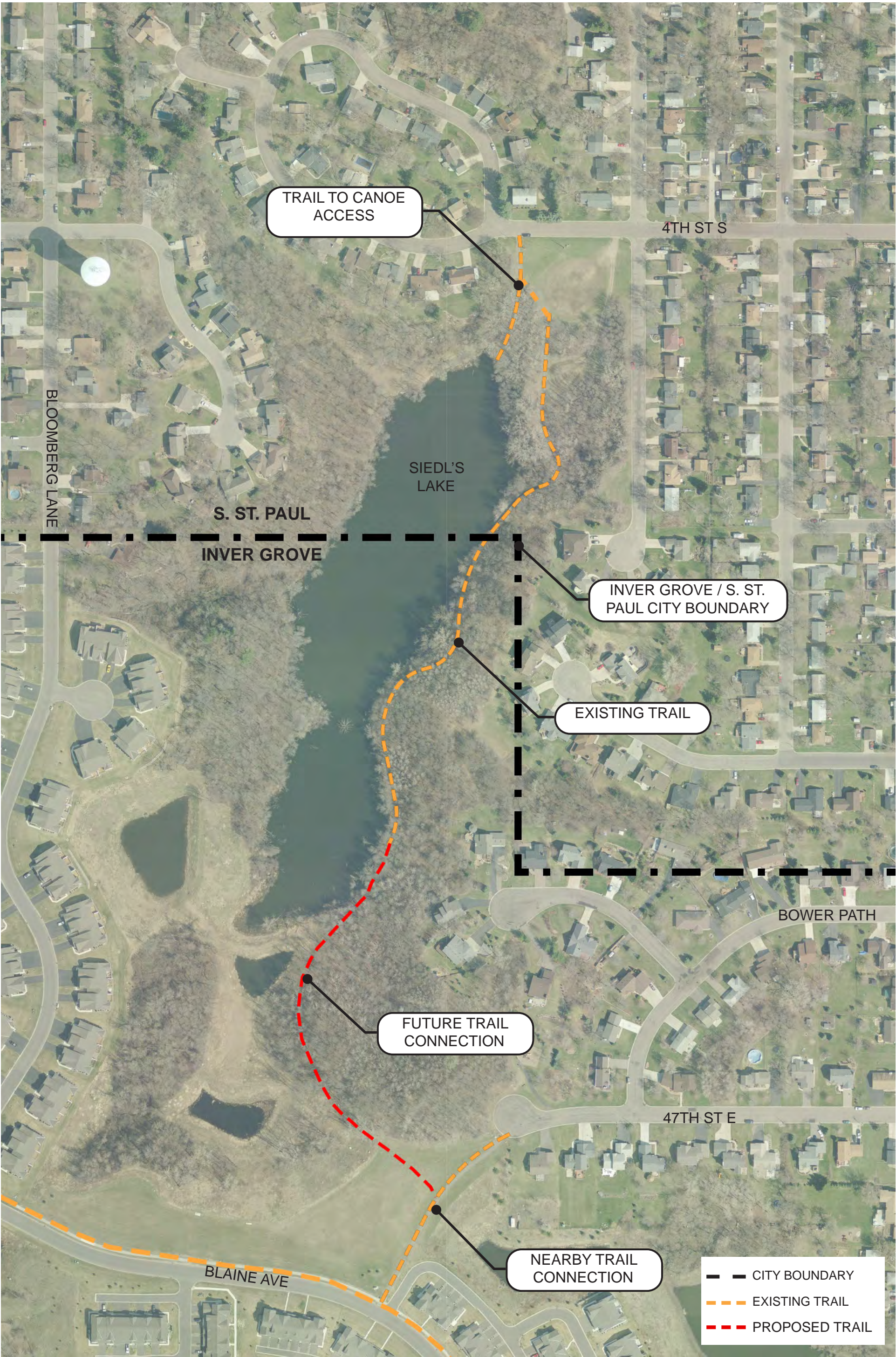
Total project funding need from SSP and IGH = \$365k to fund the \$815k project

POTENTIAL GRANT FUNDING SOURCES

Several grant opportunities are available for the proposed shoreline restoration project. The project may include multiple sources of grant funding. These include the following:

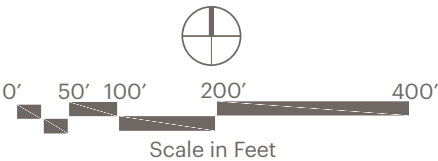
<u>Grant Opportunities</u>	<u>Grant Submittal</u>
Conservation Partners Legacy Grant (CPL)	September 2021
Department of Natural Resources Trail Funding	March 2022
Environmental and Natural Trust Fund Grant (LCCMR)	April 2022
Clean Water Land and Legacy Grant Fund (LSOHC)	May 2022





Trail Map

South St. Paul & Inver Grove Heights, Minnesota
July 9, 2021 | WSB Project number: 018376-000





1

UPLAND BUCKTHORN / SHRUB / DEAD FALL REMOVAL, SHORELAND GRADING, HABITAT
FEATURE INSTALL & RIPARIAN PLANTINGS



1

BUCKTHORN / SHRUB / DEAD TREE REMOVAL - RIPARIAN PLANTINGS

Existing / Proposed Conditions Photos

South St. Paul & Inver Grove Heights, Minnesota
July 9, 2021 | WSB Project number: 018376-000



2

DEAD FALL REMOVAL, SHORELAND GRADING, RIPARIAN PLANTINGS



3

WOOD WALL REMOVAL / SLOPE GRADING / BUCKTHORN REMOVAL/TOEWOOD / SHORELAND STABILIZATION

Existing / Proposed Conditions Photos

South St. Paul & Inver Grove Heights, Minnesota
 July 9, 2021 | WSB Project number: 018376-000



4

REPLACE TRAIL - NEED SHORELAND STABILIZATION - FISHING ACCESS - GRADE TOEROCK BENCH WITH ROOTWADS (FISH HABITAT)



4

REPLACE TRAIL - NEED SHORELAND STABILIZATION - FISHING ACCESS - GRADE BENCH

Existing / Proposed Conditions Photos

South St. Paul & Inver Grove Heights, Minnesota
 July 9, 2021 | WSB Project number: 018376-000



5

RETAINING WALL / FISHING ACCESS



5

RETAINING WALL / FISHING ACCESS

Existing / Proposed Conditions Photos

South St. Paul & Inver Grove Heights, Minnesota
July 9, 2021 | WSB Project number: 018376-000



6

BUCKTHORN MANAGEMENT, DEAD FALL REMOVAL & SCENIC OVERLOOK FROM UPPER TRAIL



7

GOOD VEGETATION (LIMITED WORK NEEDED) - DEAD FALL REMOVAL

Existing / Proposed Conditions Photos

South St. Paul & Inver Grove Heights, Minnesota
 July 9, 2021 | WSB Project number: 018376-000



8

SHORE CLEANUP / BRUSH REMOVAL / NATIVE RIPARIAN SHORELINE PLANTINGS



9

GOOD VEGETATION (LIMITED WORK NEEDED), DEAD FALL REMOVAL

Existing / Proposed Conditions Photos

South St. Paul & Inver Grove Heights, Minnesota
July 9, 2021 | WSB Project number: 018376-000

resourceful. naturally.
engineering and environmental consultants



Memorandum

To: Lower Mississippi River Watershed Management Organization Board of Managers
From: Greg Williams and Joe Barten
Subject: Priority Waterbodies for Focus in 2022-2031 Watershed Management Plan
Date: August 6, 2021
Project: 23191436.00

As part of developing the 2022 Watershed Management Plan (Plan), we recommend that the Lower Mississippi River Watershed Management Organization (LMRWMO) Board of Managers prioritize water resources within its jurisdiction. Prioritization of resources within the LMRWMO's jurisdiction will allow the Board of Managers to focus resources during implementation and delineate roles and responsibilities between the LMRWMO, member cities, and other partners.

Prioritization Factors

Many criteria may be considered in prioritizing water resources, including objective and subjective criteria. Possible criteria noted at past Board of Manager meetings include:

- Impairment status (per MPCA impaired waters list)
- Size
- Recreational use/value
- Public access
- Intercommunity location
- Intercommunity drainage area
- Monitoring history and water quality status
- MPCA and/or MDNR classification (lake vs. wetland, shallow vs. deep)
- Value to stakeholders (e.g., results of stakeholder engagement)

Table 1 summarizes the characteristics of 29 public waters within the LMRWMO. Barr Engineering Co. (Barr) and the LMRWMO Administrator considered select criteria in various combinations to develop draft priority "tiers." These tiers will be presented at the August 11, 2021 Board of Managers meeting.

Requested Manager Action:

Review the attached table in preparation for discussion of waterbody prioritization criteria and review of draft priority tiers.

Table 1 - LMRWMO Waterbody Characteristics

Waterbody Name	DNR Public Water ID	Area (Acres)	Waterbody Location	Intercommunity Waterbody	Intercommunity Drainage Area	Stakeholder Priority (Survey)	In DNR FIN Program ²	DNR Water Classification	MPCA Waterbody Type	Public Access	Impairments & Year Listed	Monitoring (2016-2020)	WQ Comments (updated 2016)	Long Term Monitoring Notes:
Mississippi River	--	--	LD, STP, SSP, IGH	Yes	Yes	Yes			Stream	Public	Multiple	MPCA		
Interstate Valley Creek	--	--	MH	Yes	Yes	Yes		Stream	Stream	N/A	Bacteria	WMO (CAMP)		Continue WMO CAMP monitoring with potential additional monitoring.
Ivy Falls Creek	--	--	MH	Yes	Yes			Stream	Stream	N/A				Begin alternating 3 years on, 3 years off monitoring.
Pickereel Lake	19-0079	107	LD, STP	Yes	Yes	Yes		Lake	Shallow Lake	Public	2010 - Mercury in fish tissue (delisted for nutrients)	WMO (CAMP)	Limited information due to river flooding	Begin alternating 2 years on, 2 years off monitoring in non-flood years.
Rogers Lake	19-0080	107	MH	No	No	Yes	Yes	Lake	Shallow Lake	Public		CITY (CAMP)	good- mean TP = 40 ug/L (through 2009)	Monitoring expected to continue through City
Schmitt Lake	19-0052	61	IGH	Yes	Yes			Lake	Shallow Lake	Private - no access		WMO (CAMP)	poor- mean TP = 98 ug/L	Monitor for 2 years to re-establish baseline.
Sunfish Lake	19-0050	45	SFL	No	No			Lake	Deep Lake	Private - no access	2010 - Nutrients/Eutrophication bio. indicators	CITY (CAMP)	moderate- mean TP = 49 ug/L (through 2009)	Monitoring expected to continue through City
Lake Augusta	19-0081	33	MH	No	No	Yes		Lake	Lake (deep or shallow)	Private - no access	2010 - Nutrients/Eutrophication biological indicators	WMO (CAMP)		Continue WMO CAMP monitoring with potential additional monitoring.
Lemay Lake	19-0082	25	MH	No	No	Yes	Yes	Lake	Shallow Lake	Private - no access		CITY (CAMP)		Monitoring expected to continue through City
Dickman Lake	19-0046	24	IGH	Yes	Yes			Lake	Shallow Lake	Private - no access		WMO (CAMP)	moderate- mean TP = 64 ug/L	Monitor for 2 years to re-establish baseline.
Ohmans Lake (Marcott Lakes)	19-0042	22	IGH	No	No			Lake	Deep Lake	Private - no access			secchi 3.5 - 4.7	Monitor for 2 years to re-establish baseline.
Hornbean Lake	19-0047	22	SFL/IGH	Yes	Yes			Lake	Shallow Lake	Private - no access		CITY (CAMP)	moderate- mean TP = 57 ug/L (through 2009)	Monitoring expected to continue through City
Rosenberger Lake (Marcott Lakes)	19-0041	20	IGH	No	No			Lake	Deep Lake	Private - no access			good- mean TP = 24 ug/L	Monitor for 2 years to re-establish baseline.
Friendly Marsh	19-0103	18	MH	No	Yes			Lake	Lake (deep or shallow)	Public - no access				
McGroarty Pond	19-0035	17	IGH	No	No			Lake	Lake (deep or shallow)	Public - no access				
Horseshoe Lake	19-0051	14	SFL/IGH	No	Yes			Lake	Shallow Lake	Private - no access		CITY (CAMP)	good- mean TP = 38 ug/L (through 2009)	Monitoring expected to continue through City
Bohrer Pond	19-0034	14	SSP/IGH	Yes	Yes			Lake	Lake (deep or shallow)	Public - no access				
Unnamed (southwest of McGroarty Pond)	19-0241	13	IGH	No	No			Wetland	(Wetland or shallow lake)	Private - no access				
Unnamed (part of Marcott Lakes)	19-0039	12	IGH	No	No			Wetland	(Wetland or shallow lake)	Private - no access				

Table 1 - LMRWMO Waterbody Characteristics

Waterbody Name	DNR Public Water ID	Area (Acres)	Waterbody Location	Intercommunity Waterbody	Intercommunity Drainage Area	Stakeholder Priority (Survey)	In DNR FIN Program ²	DNR Water Classification	MPCA Waterbody Type	Public Access	Impairments & Year Listed	Monitoring (2016-2020)	WQ Comments (updated 2016)	Long Term Monitoring Notes:
Simley Lake	19-0037	11	IGH	No	No		Yes	Lake	Shallow Lake	Public			moderate- mean TP = 45 ug/L	Monitor for 2 years to re-establish baseline.
Unnamed	19-0105	10	MH	No	No			Wetland	(Wetland or shallow lake)	Public - no access				
Thompson Lake	19-0048	7	WSP	No	No	Yes	Yes	Wetland	Shallow Lake	Public	2014 - Nutrients/Eutrophication bio. indicators, Chloride	WMO (CAMP)		Continue WMO CAMP. Will do SWCD chloride monitoring in 2021.
Seidl's Lake	19-0095	7	SSP, IGH	Yes	Yes			Wetland	Shallow Lake	Public		WMO (CAMP)	poor- mean TP = 73 ug/L (through 2009)	Continue WMO CAMP monitoring.
Unnamed (Pagel Pond)	19-0227	6	MH	No	No			Wetland	Shallow Lake	Private - no access			poor- mean TP = 75 ug/L	
Lily Lake	19-0084	6	WSP	Yes	Yes	Yes		Wetland	(Wetland or shallow lake)	Private - no access				
Marthaler	19-0091	5	WSP	is part of F	No			Lake	(Wetland or shallow lake)	Public - no access				
Mud Lake	19-0085	4	WSP	No	No	Yes		Wetland	(Wetland or shallow lake)	Public - no access				
Anderson Pond	19-0094	3	SSP	No	No			Wetland	(Wetland or shallow lake)	Public - no access				Monitor for 2 years to re-establish baseline.
LeVander Pond	19-0088	3	SSP	No	No			Wetland	(Wetland or shallow lake)	Private - no access				Monitor for 2 years to re-establish baseline.



2021 Revised Board Meeting Schedule

The regular Lower Mississippi River Watershed Management Organization (LMRWMO) Board of Manager meetings are held the second Wednesday of each month at 3:00 p.m. The Board may cancel the January and July meetings if business renders them unnecessary.

Meeting locations typically rotate among select member communities with the following rotating order, Inver Grove Heights, Lilydale, Sunfish Lake, Saint Paul, Mendota Heights, West St. Paul, South St. Paul, with each hosting two consecutive meetings.

Listed below are the host Cities and locations for the scheduled 2021 meetings.

January 13, 2021	Held Remotely Online
February 10, 2021	Held Remotely Online
March 10, 2021	Held Remotely Online
April 14, 2021	Held Remotely Online
May 12, 2021	Held Remotely Online
June 9, 2021	Held Remotely Online
July 14, 2021	Held Remotely Online
August 11, 2021	Held Remotely Online
September 8, 2021	Villa Del Sol, Saint Paul
October 13, 2021	Villa Del Sol, Saint Paul
November 10, 2021	To Be Determined
December 8, 2021	To Be Determined