

Black Dog Watershed Management Commission

AGENDA

Wednesday, September 20, 2023

5:00 P.M.

COMMISSIONERS:

Curt Enestvedt, Chair

Mike Hughes, Vice Chair

Scott Thureen, Secretary/Treasurer

Rollie Greeno

Lynette Dunsworth

Greg Helms, Alternate

- I. Approval of Agenda
- II. Approval of Minutes – August 16, 2023
- III. Approval of Accounts Payable
- IV. Review Budget Performance Reports
- V. Review Updated 2022 Watershed Management Plan Goal Tracking Summary Sheets
- VI. Miscellaneous
- VII. Adjournment

The City of Burnsville and Black Dog Watershed Management Organization do not discriminate on the basis of race, color, national origin, sex, religion, age, or disability in the admission or access to, or treatment or employment in, its programs, activities, or services.

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Black Dog Watershed Management Commission

Agenda Background September 20, 2023

I. Approval of Agenda

Agenda enclosed.

Action Requested: A motion be considered to approve the Agenda.

II. Approval of Minutes from the August 16, 2023 Meeting

Minutes enclosed.

Action Requested: A motion be considered to approve the Minutes from the August 16, 2023 meeting.

III. Approval of Accounts Payable

Accounts payable list enclosed.

Action Requested: A motion be considered to approve the accounts payable list as submitted by staff.

IV. Review of Budget Performance Reports

Current Budget Performance Reports enclosed.

Action Requested: No formal action required.

V. Review 2022 Watershed Management Plan Goal Tracking Summary Sheets

The packet includes drafts of goal progress tracking forms for the 2022 BDWMO Plan. The three examples from the previous meeting have been updated and about half of the total goal tracking sheets are included in this packet. We anticipate reviewing the other half of the goal sheets at the next meeting. The Engineer seeks input on content and layout of the draft goal tracking sheets.

Action requested: Review and provide feedback on goal tracking sheets.

VI. Miscellaneous

VII. Adjournment

DRAFT
Meeting Minutes
August 16, 2023

MEMBERS PRESENT

Curt Enestvedt, Chair
Mike Hughes, Vice Chair
Scott Thureen, Secretary/Treasurer
Lynette Dunsworth
Rollie Greeno

MEMBERS ABSENT

Greg Helms, Alternate

OTHERS PRESENT

Gregg Williams – Barr Engineering
Karen Chandler – Barr Engineering
Jared Shepherd – Campbell Knutson
Curt Coudron – Dakota County Soil & Water Conservation District
Samantha Berger – City of Apple Valley
Ann Messerschmidt – City of Lakeville
Talori Dunsworth – Intern – City of Apple Valley
Daryl Jacobson – BDWMO Administrator
Tammi Carte – BDWMO Secretary

Curt Enestvedt, Chair, called the August 16, 2023, meeting to order at 5:00pm.

I. Approval of Agenda

Motion by Hughes, second by Thureen, to approve the August 16, 2023, Agenda as presented.

Ayes – Enestvedt, Hughes, Thureen, Dunsworth, Greeno

Nays – None

Motion Carried Unanimously

II. Approval of Minutes from the June 21, 2023, Meeting

Motion by Hughes, second by Greeno, to approve the June 21, 2023, Minutes as presented.

Ayes – Enestvedt, Hughes, Thureen, Dunsworth, Greeno

Nays – None

Motion Carried Unanimously

III. Approval of Accounts Payable

Motion by Thureen, second by Hughes, to approve accounts payable to Barr Engineering in the amount of \$10,920.07 for services from June 3, 2023, through July 28, 2023; and, to Campbell Knutson in the amount of \$280.00 for June 2023 general services; and, to Dakota County Soil & Water Conservation District in the amount of \$14,460.00 for services from April 2023 through June 2023.

Ayes – Enestvedt, Hughes, Thureen, Dunsworth, Greeno

Nays – None

Motion Carried Unanimously

IV. Review Budget Performance Reports

Daryl Jacobson, BDWMO Administrator, shared that member contribution invoices have been sent. The Commission's budget is in good shape.

No Formal Action Required

V. Review 2022 Watershed Management Plan Goal Tracking Summary Sheets

A draft of the goal progress tracking forms was provided to the Commission for review prior to this meeting. The draft also included formatted examples to show how the final forms may appear. The examples represent a quantitative goal (Goal A), semi-quantitative goal (Goal G), and qualitative goal (Goal O).

Greg Williams, Barr Engineering, reviewed the forms and requested input on content and layout of the draft goal tracking sheets before developing sheets for all goals. The 2022 Plan includes the Minnesota Board of Water and Soil (BWSR) requirement that goals are measurable. Tracking is primarily for state review. The information will be available for public review but may be written using some technical language. The newsletter is a better source of public information. BWSR's required goal tracking is different than the annual report implementation plan. Goal tracking will indicate whether plan goals are being met and include data to support whether they are being met. It was suggested to ask for BWSR's review of the initial draft forms before creating all goal forms.

No Formal Action Required

VI. Miscellaneous

1. Samantha Berger – Apple Valley – The city is expanding Whitney Pond. The expansion should not have an impact on Lac Lavon, but the city will monitor this. The pond needs to be expanded for a road construction project. Apple Valley is requesting a letter of support from Black Dog WMO.

Also mentioned the Lac Lavon rain garden has been completed.

Motion by Thureen, second by Hughes, to approve providing a letter of support for expanding Whitney Pond Project.

Ayes – Enestvedt, Hughes, Thureen, Dunsworth, Greeno

Nays – None

Motion Carried Unanimously

2. Curt Coudron – Dakota County Soil & Water Conservation District – Workshops are done for the year. There were eighteen grants awarded with ten projects completed.
3. All commissioner terms are up November 1, 2023. Recruitment begins in the fall and submissions can be made electronically.
4. The next meeting is scheduled for September 20, 2023.

VII. Adjournment

Motion by Hughes, second by Dunsworth, to adjourn at 5:55pm.

Ayes – Enestvedt, Hughes, Thureen, Dunsworth, Greeno

Nays – None

Motion Carried Unanimously



Accounts Payable - September 20, 2023 Meeting

Barr Engineering - Services from July 29, 2023 through September 1, 2023

Engineering	\$	3,980.00
Special Projects: General Fund - 2023 Mang Level Mon - Keller Lake	\$	<u>3,053.14</u>
	\$	7,033.14

Campbell Knutson

General Services - August 2023	\$	<u>297.50</u>
	\$	297.50

Accounts Payable Total \$ 7,330.64

resourceful. naturally.
engineering and environmental consultants



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

September 11, 2023

Black Dog Watershed Management Commission
City of Burnsville
13713 Frontier Court
Burnsville, MN 55337-4720

Attn: Mr. Daryl Jacobson


RE: Engineering & Environmental Consulting Services

**Invoice of Account with
BARR ENGINEERING COMPANY**

For professional services during the period of July 29, 2023 through September 1, 2023

TOTAL PAYABLE THIS INVOICE:	\$ 7,033.14
Allocation:	
Engineering	\$ 3,980.00
Special Projects: General Fund	
• Keller Lake 2023 Management Level Monitoring	\$ 3,053.14

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

OK

9-12-23



Karen L. Chandler
Vice President

BUDGET SUMMARY - 2023 FY
 Black Dog Watershed Management Commission
 through September 1, 2023

Work Description	Pre-2023 Costs	2023 Barr Budget	Current Invoice	Spent This Year	Balance
Engineering	-----	43,000.00 ¹	3,980.00	19,635.07	23,364.93
Special Projects: General Fund					
<i>Reporting on Lac Lavon 2022 Water Quality Monitoring</i>	-----	4,700.00	0.00	4,323.50	376.50
<i>Keller Lake 2023 Management Level Monitoring</i>		19,100.00	3,053.14	10,803.47	8,296.53
Subtotal -- Special Projects: General Fund	-----	23,800.00	3,053.14	15,126.97	8,673.03
Water Quality Monitoring					
<i>Reporting on 2022 Orchard Lake Habitat Monitoring</i>	-----	9,200.00	0.00	8,957.00	243.00
<i>Update Trend Analyses</i>	-----	2,000.00	0.00	810.00	1,190.00
Subtotal -- W.Q. Monitoring	-----	11,200.00	0.00	9,767.00	1,433.00
Public Education					
<i>Watershed Annual Report</i>	-----	4,500.00	0.00	4,196.50	303.50
<i>Annual Activity Report (BWSR)</i>	-----	2,100.00	0.00	2,272.50	(172.50)
Subtotal -- Public Education	-----	6,600.00	0.00	6,469.00	131.00
Total Services	-----	84,600.00	7,033.14	50,998.04	33,601.96

Notes:

¹ 2023 budget increase from \$31,000 to \$43,000 authorized at 2/15/2023 meeting for BDWMO Plan goal tracking



INVOICE

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

Mr. Daryl Jacobson
 Black Dog WMO
 City of Burnsville
 13713 Frontier Court
 Burnsville, MN 55337-4720

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

September 11, 2023
 Invoice No: 23190374.23 - 6

Total this Invoice	\$3,980.00
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Regarding: BDWMO 2023 Engineering Services

Professional Services from July 29, 2023 to September 1, 2023

Job: 2023 Engineering Services
 Task: 001 Attend BDWMO Meetings

Labor Charges

	Hours	Rate	Amount	
Engineer / Scientist / Specialist III				
Williams, Sterling	2.00	165.00	330.00	
	2.00		330.00	
Subtotal Labor				330.00
				Task Subtotal
				\$330.00

Task: 002 Miscellaneous Consulting

Labor Charges

	Hours	Rate	Amount	
Vice President				
Chandler, Karen	3.00	200.00	600.00	
Engineer / Scientist / Specialist III				
Williams, Sterling	4.20	165.00	693.00	
Support Personnel II				
Nypan, Nyssa	1.40	110.00	154.00	
	8.60		1,447.00	
Subtotal Labor				1,447.00
				Task Subtotal
				\$1,447.00

Task: 005 BDWMO Plan Goal Tracking

Labor Charges

	Hours	Rate	Amount
Vice President			
Chandler, Karen	.40	200.00	80.00

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

Engineer / Scientist / Specialist III				
Williams, Sterling	11.60	165.00	1,914.00	
Support Personnel I				
Kaul (Contracted), Karen	2.20	95.00	209.00	
	14.20		2,203.00	
Subtotal Labor				2,203.00
			Task Subtotal	\$2,203.00
			Job Subtotal	\$3,980.00
			Total this Invoice	\$3,980.00

	Current	Prior	Total	Received	A/R Balance
Invoiced to Date	3,980.00	22,124.07	26,104.07	22,124.07	3,980.00

Thank you in advance for the prompt processing of this invoice. If you have any questions, please contact Karen Chandler, your Barr project manager, at (952) 832-2813 or email at kchandler@barr.com.



INVOICE

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

Mr. Daryl Jacobson
 Black Dog WMO
 City of Burnsville
 13713 Frontier Court
 Burnsville, MN 55337-4720

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

September 11, 2023
 Invoice No: 23190375.23 - 6

Total this Invoice	\$3,053.14
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Regarding: Management Level Water Quality Monitoring

Professional Services from July 29, 2023 to September 1, 2023

Job: KEL Keller Lake 2023 Water Quality Monitorin
 Task: 100 Monitoring Data Mgmt & Proj Mgmt

Labor Charges

	Hours	Rate	Amount	
Engineer / Scientist / Specialist III Olson, Terri	1.40	160.00	224.00	
Engineer / Scientist / Specialist II Menken, Kevin	.50	135.00	67.50	
Technician II Melmer, David	6.50	105.00	682.50	
Novack, John	4.10	105.00	430.50	
Technician I Schneider, Anna	.30	90.00	27.00	
Wilde, Brianna	2.00	80.00	160.00	
Wolf, Matthias	.80	90.00	72.00	
Support Personnel II Treasor, Margaret	3.10	120.00	372.00	
	18.70		2,035.50	
Subtotal Labor				2,035.50

Subconsultant Charges

Subconsultants				
8/4/2023	RMB Environmental Laboratories Inc		43.20	
8/8/2023	RMB Environmental Laboratories Inc		43.20	
8/16/2023	RMB Environmental Laboratories Inc		43.20	
Subtotal Subconsultant				129.60

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

Unit Charges

Canoe	1.0 day @ 45.00	45.00
Ice (per bag)	2.0 ea @ 2.50	5.00
Water Quality Meter (YSI 556 MPS)	1.0 day @ 85.00	85.00
Barr Owned Vehicle Use	1.0 day @ 105.00	105.00
Kemmerer Vertical Bottle Sampler	1.0 day @ 33.50	33.50
Vehicle (Mileage)	68.0 miles @ 0.655	44.54
Subtotal Units		318.04
	Task Subtotal	\$2,483.14

Task: 200 Phytoplankton Counts

Labor Charges

	Hours	Rate	Amount	
Engineer / Scientist / Specialist III				
Rattei, Margaret	3.80	150.00	570.00	
	3.80		570.00	
Subtotal Labor				570.00
		Task Subtotal		\$570.00
		Job Subtotal		\$3,053.14
		Total this Invoice		\$3,053.14

	Current	Prior	Total	Received	A/R Balance
Invoiced to Date	3,053.14	12,073.83	15,126.97	12,073.83	3,053.14

Thank you in advance for the prompt processing of this invoice. If you have any questions, please contact Kevin Menken, your Barr project manager, at (952) 832-2794 or email at kmenken@barr.com.

CAMPBELL KNUTSON
Professional Association
Attorneys at Law
Federal Tax I.D. #41-1562130
Grand Oak Office Center I
860 Blue Gentian Rd Ste 290
Eagan, Minnesota 55121
(651) 452-5000

Black Dog Watershed Management Organization
 Attention: Daryl Jacobson
 City of Burnsville
 100 Civic Center Parkway
 Burnsville MN 55337-3817

Page: 1
 August 31, 2023
 Account # 602-0000G
 387

RE: GENERAL SERVICES
 RENDERED TO DATE:

			HOURS	
08/16/2023	JDS	Attend meeting.	1.70	<u>297.50</u>
		AMOUNT DUE	1.70	297.50
		TOTAL CURRENT WORK		297.50
		PREVIOUS BALANCE		\$280.00
08/21/2023		Payment - thank you		-280.00
		TOTAL AMOUNT DUE		<u>\$297.50</u>

OK

 9-12-23

Amounts due over 30 days will be subject to a finance charge of .5% per month (or an annual rate of 6%). Minimum charge - 50 cents.

**BLACK DOG WMO
CASH ACTIVITY REPORT 2023**

Date	Description	Deposits	Check #	Check Amount	Monthly Cash Balance	Expenditures: General Engineering Support	Special Projects (General)	Special Projects (Capital)	Special Projects (Gen. Reserve)	Insurance	Legal & Audit	Admin Support	Public Education	Water Quality Monitoring	Conf Public	Contingency
Balance as of 12/31/22					533,464.61											
18-Jan	Barr Engineering Co (2022)		1797	7,639.50		2,155.00	1,832.00		3,130.50					522.00		
18-Jan	Campbell Knutson (2022)		1798	175.00							175.00					
18-Jan	Metropolitan Council -Enviro Srvc (2022)		1799	3,420.00										3,420.00		
31-Jan	Interest Income	1,880.84														
01/31/23 Balance		1,880.84		11,234.50	524,110.95	2,155.00	1,832.00	-	3,130.50	-	175.00	-	-	3,942.00	-	-
15-Feb	Barr Engineering Co		1800	3,099.22		1,436.72	544.50						668.00	450.00		
15-Feb	Campbell Knutson		1801	630.00							630.00					
15-Feb	City of Burnsville (2022)		1802	24,032.91								24,032.91				
15-Feb	Dakota County Soil & Water (2022)		1803	1,005.00			750.00						255.00			
28-Feb	Interest Income	1,759.91														
02/28/23 Balance		1,759.91		28,767.13	497,103.73	1,436.72	1,294.50	-	-	-	630.00	24,032.91	923.00	450.00	-	-
31-Mar	Interest Income	1,977.10														
03/31/23 Balance		1,977.10		-	499,080.83	-	-	-	-	-	-	-	-	-	-	-
19-Apr	Barr Engineering		1804	11,558.72		2,361.72	862.00						1,990.00	6,345.00		
19-Apr	Campbell Knutson		1805	210.00							210.00					
19-Apr	Dakota County Soil & Water (2022)		1806	11,412.50			5,250.00						6,162.50			
19-Apr	Dakota County Soil & Water		1807	1,170.00									1,170.00			
30-Apr	Interest Income	1,969.34														
04/30/23 Balance		1,969.34		24,351.22	476,698.95	2,361.72	6,112.00	-	-	-	210.00	-	9,322.50	6,345.00	-	-
18-May	Barr Engineering		1808	11,122.90		2,828.72	4,039.18						1,283.00	2,972.00		
18-May	Campbell Knutson		1809	385.00							385.00					
31-May	Interest Income	2,018.05														
05/31/23 Balance		2,018.05		11,507.90	467,209.10	2,828.72	4,039.18	-	-	-	385.00	-	1,283.00	2,972.00	-	-
21-Jun	Barr Engineering		1810	7,263.99		3,452.72	2,020.77						1,790.50	-		
21-Jun	Campbell Knutson		1811	35.00							35.00					
21-Jun	League of MN Cities Insurance Trust		1812	2,842.00						2,842.00						
30-Jun	Interest Income	1,930.28														
06/30/23 Balance		1,930.28		10,140.99	458,998.39	3,452.72	2,020.77	-	-	2,842.00	35.00	-	1,790.50	-	-	-
31-Jul	Interest Income	1,965.67														
07/31/23 Balance		1,965.67		-	460,964.06	-	-	-	-	-	-	-	-	-	-	-
16-Aug	Barr Engineering		1813	10,920.07		5,575.19	4,607.38						737.50	-		
16-Aug	Campbell Knutson		1814	280.00							280.00					
16-Aug	Dakota County Soil & Water Conserv Dist		1815	14,460.00			14,100.00						360.00			
31-Aug	Interest Income	2,018.73														
08/31/22 Balance		2,018.73		25,660.07	437,322.72	5,575.19	18,707.38	-	-	-	280.00	-	1,097.50	-	-	-
Total Revenue		15,519.92	Total Expense		111,661.81	17,810.07	34,005.83	-	3,130.50	2,842.00	1,715.00	24,032.91	14,416.50	13,709.00	-	-
Less: 2022 A/R		-	Less: 2022 A/P		(47,684.91)	(2,155.00)	(7,832.00)	-	(3,130.50)	-	(175.00)	(24,032.91)	(6,417.50)	(3,942.00)	-	-
December LMC insurance reclass		-			-											
Total YTD 2023 Revenue		15,519.92	Total YTD 2023 Exp		63,976.90	15,655.07	26,173.83	-	-	2,842.00	1,540.00	-	7,999.00	9,767.00	-	-
			2023 Budget		158,200.00	43,000.00	37,300.00	-	-	2,500.00	5,000.00	24,000.00	25,700.00	15,200.00	500.00	5,000.00
			Budget Remaining		94,223.00	27,345.00	11,126.17	-	-	(342.00)	3,460.00	24,000.00	17,701.00	5,433.00	500.00	5,000.00
YTD Interest Income		15,519.92														

BLACK DOG WATER MANAGEMENT COMMISSION

Budget Performance Report August 31, 2023

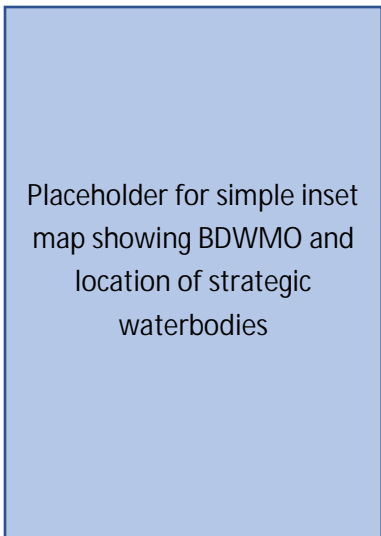
	CURRENT MONTH	YEAR TO DATE			
	ACTUAL	GENERAL FUND BUDGET	CAPITAL IMPROVEMENT FUND BUDGET	ACTUAL	VARIANCE FAVORABLE (UNFAVORABLE)
Opening Fund Balance		\$ 382,290	\$ 103,489	\$ 485,780	
REVENUES :					
Member Contributions:					
City of Apple Valley	\$ -	\$ 10,412	\$ 992	\$ -	\$ (11,404)
City of Burnsville	-	94,014	9,186	-	(103,200)
City of Eagan	-	586	-	-	(586)
City of Lakeville	-	25,988	2,322	-	(28,310)
Total Member Contributions	-	131,000	12,500	-	(143,500)
Other Revenues:					
Interest	\$ 2,019	\$ 40	\$ -	\$ 15,520	\$ 15,480
Grant (State of MN BWSR)	-	-	-	-	-
Total Other Revenue	2,019	40	-	15,520	15,480
Total Revenues	\$ 2,019	\$ 131,040	\$ 12,500	\$ 15,520	\$ (128,020)
EXPENDITURES :					
General Engineering Support	\$ 5,575	\$ 43,000	\$ -	\$ 15,655	\$ 27,345
Special Projects - General Fund	18,707	37,300	-	26,174	11,126
Special Projects - Capital Improvement Func	-	-	-	-	-
Special Projects - General Fund Reserve	-	-	-	-	-
Insurance	-	2,500	-	2,842	(342)
Legal and Audit	280	5,000	-	1,540	3,460
Administrative Support	-	24,000	-	-	24,000
Public Education	1,098	25,700	-	7,999	17,701
Water Quality Monitoring	-	15,200	-	9,767	5,433
Conference/Publications	-	500	-	-	500
Contingency	-	5,000	-	-	5,000
Total Expenditures	25,660	158,200	-	63,977	94,223
EXCESS OF REVENUES OVER (UNDER) EXPENDITURES	<u>(23,641)</u>	<u>(27,160)</u>	<u>12,500</u>	<u>(48,457)</u>	
EXCESS OF REVENUES OVER (UNDER) EXPENDITURES PLUS OPENING FUND BALANCE				<u><u>437,323</u></u>	
TOTAL CASH AVAILABLE 8/31/2023	437,323				
Fund Balance 8/31/2023	<u>\$ 437,323</u>				

Draft BDWMO Goal Progress Tracking Form – Goal A, v.1

Goal A – Water Quality

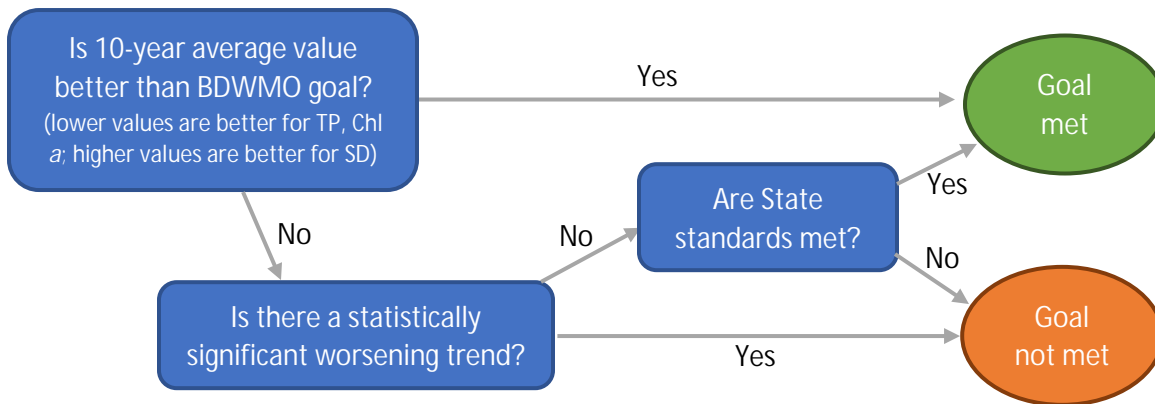
Maintain or improve water quality in BDWMO strategic waterbodies to meet applicable state standards or existing 10-year (2012 – 2021) summer average water quality, if better than state standards, including:

- a. Keller Lake – 60 ug/L total phosphorus (TP), 20 ug/l chlorophyll a (chl a), and 1.0 meter Secchi disc transparency (SD) (i.e., applicable state shallow lake water quality standards for eutrophication)
- b. Crystal Lake – 26 ug/L total phosphorus, 13 ug/l chlorophyll a, and 2.1 meter Secchi disc transparency
- c. Kingsley Lake – 17 ug/L total phosphorus, 2.3 ug/l chlorophyll a, and 3.0 meter Secchi disc transparency
- d. Lac Lavon – 13 ug/L total phosphorus, 2.9 ug/l chlorophyll a, and 4.2 meter Secchi disc transparency
- e. Orchard Lake – 21 ug/L total phosphorus, 6.2 ug/l chlorophyll a, and 2.5 meter Secchi disc transparency



Metric/Measures

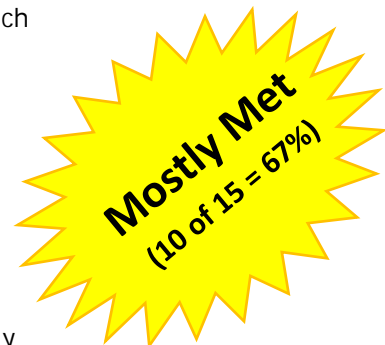
The BDWMO assesses goal achievement for total phosphorus (TP), chlorophyll a (Chl a), a Secchi disc transparency (SD) in each lake individually based on each parameter’s most recent 10-year average value (as measured from BDWMO and partner monitoring), State standards, and trend analysis:



Goal Status

The following table summarizes the 10-year parameter averages and trends in each strategic waterbody based on data collected from 2013 through 2022. Of the strategic waterbodies, Crystal Lake and Lac Lavon are meeting all water quality goals. Kingsley Lake and Orchard Lake show TP and SD values worse than BDWMO goals, respectively, and statistically significant degrading trends. Although degrading trends are present in Kingsley and Orchard Lakes, 10-year average values are close to BDWMO goals and better than State standards.

Keller Lake currently exceeds applicable state standards and BDWMO goals for total phosphorus, chlorophyll a, and Secchi disc transparency although statistically significant improving trends were observed in 2022 for all three parameters. An alum treatment of Keller Lake was completed in 2021; the impact of that treatment will continue to be evaluated through future water quality monitoring.



Draft BDWMO Goal Progress Tracking Form – Goal A, v.1

Strategic Waterbody	Parameter	Unit	BDWMO Goal	State Standard	10-year Average ¹	Significant Trend ²	Goal Met? ³
Crystal Lake	TP	ug/L	26	40	24.8	--	Yes
	Chl <i>a</i>	ug/L	13	14	12.7	--	Yes
	SD	m	2.1	1.4	2.1	Improving	Yes
Keller Lake	TP	ug/L	60	60	76.0	Improving	No
	Chl <i>a</i>	ug/L	20	20	37.4	Improving	No
	SD	m	1.0	1.0	0.9	Improving	No
Kingsley Lake	TP	ug/L	17	60	18.6	Degrading	No
	Chl <i>a</i>	ug/L	2.3	20	2.9	--	Yes
	SD	m	3.0	1.0	3.0	--	Yes
Lac Lavon	TP	ug/L	13	40	12.3	--	Yes
	Chl <i>a</i>	ug/L	2.9	14	3.9	--	Yes
	SD	m	4.2	1.4	4.2	--	Yes
Orchard Lake	TP	ug/L	21	40	21.0	--	Yes
	Chl <i>a</i>	ug/L	6.2	14	6.3	--	Yes
	SD	m	2.5	1.4	2.4	Degrading	No

- (1) 2013-2022 data; green = value better than BDWMO goal and State standard; yellow = value worse than BDWMO goal and better than State standard; red = value worse than BDWMO goal and State standard
- (2) Trend are evaluated at 90% confidence using linear least squares regression; green = improving trend; yellow = no trend; red = worsening trend
- (3) See decision tree for determination of goal status based on 10-year value, State standard, and trend

Implementation Actions

The following activities are included in the BDWMO's 2022 Watershed Management Plan and have a direct impact on the BDWMO's water quality goals for strategic waterbodies:

Monitoring

- MN-1 Management level monitoring of strategic waterbodies, on a rotating 5-year cycle (next is Orchard Lake in 2024)
- MN-2 CAMP monitoring of all strategic waterbodies annually

Projects and Programs

- PP-1 Implement small and medium-scale stormwater BMPs (number and location to be determined)
- KL-1a Improvements to Whitney Pond in the City of Apple Valley (2024)
- KL-1b Improvements to stormwater pond by Arby's in the City of Apple Valley (2025)
- LL-1a Water quality BMPs in coordination with Lac Lavon Park parking lot improvements in the City of Apple Valley (2023)

Draft BDWMO Goal Progress Tracking Form – Goal B, v.1

Goal B – Water Quality

Cooperate with member cities to achieve stormwater sediment loading goals consistent with member city MS4 permits to protect and improve local water resources and the Minnesota River.

Metric/Measures

The BDWMO assesses goal achievement through:

- Implementation of projects in the 2022 Watershed Management Plan leading to sediment reductions (see Plan Table 5-2), including:
 - PP-1, CL-1, CL-2, KL-1, KL-2, KG-1, KG-2, LL-1, LL-2, OL-1, and OL-2
- Member city MS4 reporting relative to sediment minimum control measures (MCMs) and applicable total maximum daily load (TMDL) waste load allocations (WLAs). **Revise if no TMDL limits.**



Goal Status

Goal metrics are summarized in the following tables. During this assessment period, the BDWMO cooperated with partners to implement **XX** small-scale water quality improvements (Item PP-1). The BDWMO also cooperated with **[insert partner(s)]** to complete **[insert project(s)]** to reduce sediment loading to **[insert resource(s)]**.

Implementation Schedule Item	Completed in 2024	Total Completed	Notes
PP-1 (small-scale BMPs)	XX	XX	Includes Landscaping for clean water projects
CL-1, CL-2 (Crystal Lake)			
KL-1, KL-2 (Keller Lake)	1		Whitney Pond expansion (2024, Apple Valley)
KG-1, KG-2 (Kingsley Lake)			
LL-1, LL-2 (Lac Lavon)		1	Lac Lavon parking lot improvements (2023, Apple Valley)
OL-1, OL-2 (Orchard Lake)			

BDWMO Member City	MS4 Sediment MCMs met?	MS4 Sediment WLAs met?	Notes
Apple Valley			
Burnsville			
Eagan			
Lakeville			

Implementation Actions

The following activities are included in the BDWMO's 2022 Watershed Management Plan and have a direct impact on Goal B:

Projects and Programs

- PP-1 Implement small and medium-scale stormwater BMPs (number and location to be determined)
- KL-1a Improvements to Whitney Pond in the City of Apple Valley (2024)
- KL-1b Improvements to stormwater pond by Arby's in the City of Apple Valley (2025)
- LL-1a Water quality BMPs in coordination with Lac Lavon Park parking lot improvements in the City of Apple Valley (2023)

Goal C – Water Quality

Cooperate with member cities to achieve stormwater phosphorus loading goals consistent with member city MS4 permits to protect and improve local water resources and the Minnesota River.

Metric/Measures

The BDWMO assesses goal achievement through:

- Implementation of projects in the 2022 Watershed Management Plan leading to phosphorus reductions (see Plan Table 5-2), including:
 - PP-1, CL-1, CL-2, KL-1, KL-2, KG-1, KG-2, LL-1, LL-2, OL-1, and OL-2
- Member city MS4 reporting of minimum control measures (MCM) related to phosphorus and applicable total maximum daily load (TMDL) waste load allocations (WLAs). **Revise if no TMDL limits.**



Goal Status

Goal metrics are summarized in the following tables. During this assessment period, the BDWMO cooperated with partners to implement **XX** small-scale water quality improvements (Item PP-1). The BDWMO also cooperated with **[insert partner(s)]** to complete **[insert project(s)]** to reduce phosphorus loading to **[insert resource(s)]**.

Implementation Schedule Item	Completed in 2024	Total Completed	Notes
PP-1 (small-scale BMPs)	XX	XX	Includes Landscaping for clean water projects
CL-1, CL-2 (Crystal Lake)			
KL-1, KL-2 (Keller Lake)	1		Whitney Pond expansion (2024, Apple Valley)
KG-1, KG-2 (Kingsley Lake)			
LL-1, LL-2 (Lac Lavon)		1	Lac Lavon parking lot improvements (2023, Apple Valley)
OL-1, OL-2 (Orchard Lake)			

BDWMO Member City	MS4 Phosphorus MCMs met?	MS4 Phosphorus WLAs met?	Notes
Apple Valley	Yes/No	Yes/No	
Burnsville	Yes/No	Yes/No	
Eagan	Yes/No	Yes/No	
Lakeville	Yes/No	Yes/No	

Implementation Actions

The following activities are included in the BDWMO's 2022 Watershed Management Plan and have a direct impact on Goal C:

Projects and Programs

- PP-1 Implement small and medium-scale stormwater BMPs (number and location to be determined)
- KL-1a Improvements to Whitney Pond in the City of Apple Valley (2024)
- KL-1b Improvements to stormwater pond by Arby's in the City of Apple Valley (2025)
- LL-1a Water quality BMPs in coordination with Lac Lavon Park parking lot improvements in the City of Apple Valley (2023)

Draft BDWMO Goal Progress Tracking Form – Goal D, v.1

Goal D – Water Quality

Work with member cities to reduce chloride loading relative to current conditions through practices consistent with the Twin Cities Metropolitan Area Chloride Management Plan (MPCA, 2016) and Minnesota Statewide Chloride Management Plan (MPCA, 2021).

Metric/Measures

The BDWMO assesses goal achievement through performance of applicable chloride management practices by member cities and estimates of total road salt application, if available. Check with cities if this is tracked/reported. The BDWMO will also track chloride concentrations in strategic waterbodies as additional data is collected.



Goal Status

Goal metrics are summarized in the following table.

Chloride Reduction Best Practices	Performed in 2024				Notes
	Apple Valley	Burnsville	Eagan	Lakeville	
Training for municipal applicators					
Calibration of application equipment					
Municipal use of alternative deicers					
Training for private applicators/property managers					
Site visits to promote reduced salt use in high-density areas					
Distribution of educational materials					
Incentive programs for residents or property owners					E.g., water softener upgrades
Other activities (see notes)					
Total salt applied (is this tracked?)					

Implementation Actions

The following activities are included in the BDWMO’s 2022 Watershed Management Plan and have a direct impact on Goal D:

Monitoring

MN-3 Chloride monitoring of strategic waterbodies

Projects and Programs

PP-3 Chloride education and outreach for landowners

Draft BDWMO Goal Progress Tracking Form – Goal E, v.1

Goal E – Water Quantity and Flooding

Achieve no net increase in intercommunity peak stormwater flow rates.

Metric/Measures

The BDWMO assesses goal achievement based on reported impacts of development and redevelopment projects that may affect flows at community boundaries.



Goal Status

Goal metrics are summarized in the following table.

Member City	Intercommunity Flow Reviews		Intercommunity Flow Increases		Notes
	2024	2023-Present	2024	2023-Present	
Apple Valley					
Burnsville					
Eagan					
Lakeville					
Total					

Implementation Actions

The following activities are included in the BDWMO’s 2022 Watershed Management Plan and have a direct impact on Goal E:

Administration and Engineering

AE-8 General Engineering – including review of proposed changes to intercommunity stormwater systems

Draft BDWMO Goal Progress Tracking Form – Goal F, v.1

Goal F – Water Quantity and Flooding

Reduce the number and/or flood risk of habitable structures within the floodplain in cooperation with member cities.

Metric/Measures

The BDWMO assesses goal achievement based on number of habitable structures within the floodplain corresponding to the 1%-annual-chance event (1% ACE, i.e., 100-year event) as reported by member cities. If the total number is unknown, goal achievement will be based on the number of structures removed from the floodplain by individual projects.



Goal Status

Goal metrics are summarized in the following table.

Member City	Habitable Structures in 1%-ACE Floodplain					Notes
	Pre-project	Post-project	Net change	2024 Total (start)	Total 2024 (end)	
Apple Valley						
Burnsville						
Eagan						
Lakeville						
Total						

Implementation Actions

The following activities are included in the BDWMO's 2022 Watershed Management Plan and have a direct impact on Goal F:

Administration and Engineering

AE-8 General Engineering – including review of proposed flood risk mitigation projects

Draft Goal Progress Tracking Form – Goal G, v.1

Goal G – Wetland Management

Promote improving the ecological function of wetlands for water retention, recharge, soil conservation, habitat, aesthetics, and water quality improvement through education and outreach and support of member city actions.

Metric/Measures

The BDWMO will assess goal achievement based on the following measurable outcomes or actions:

- Number of newsletter articles, social media posts, or other public broadcasts addressing wetland issues.
- Number of workshops, field days, or hands-on training supported by member cities addressing wetland issues (e.g., via Wetland Health Evaluation Program (WHEP))
- BDWMO support provided for member city wetland planning, protection, and/or restoration activities, including:
 - Technical support
 - Financial support
 - Regulatory support/coordination



Goal Status/Tracking

Member City/Partner	2024			Cumulative 2023 – Present			Notes
	Broadcasts ¹	Workshops	Projects	Broadcasts ¹	Workshops	Projects	
Apple Valley							
Burnsville							
Eagan							
Lakeville							
Dakota SWCD							
Dakota County							

(1) Including newsletters, articles, social media posts and other public broadcasts as noted.

Project Name	BDWMO Assistance type(s)			Notes
	Technical	Financial	Other ¹	

(1) Excluding regular participation in Technical Evaluation Panels (TEPs) and WCA roles (see Goal H).

Additional Project Details (if applicable)

Placeholder to include narrative of project details, if applicable.

Implementation Actions

The following activities are included in the BDWMO's 2022 Watershed Management Plan and have a direct impact on the BDWMO's wetland management goals.

Administration and Engineering

AE-8 General Engineering (task includes providing technical support for projects as requested by cities, including projects addressing wetlands).

Education and Public Engagement

ED-4 Coordinate with member cities to develop and distribute educational information (wetland protection and buffers are identified as a key education topic).

ED-5 Sponsor workshops to support resident/landowner stewardship practices.

ED-6 Coordinate with partners to identify and support volunteer efforts (may include wetland management activities).

Projects and Programs

Placeholder to include specific projects if added to implementation table.

Draft Goal Progress Tracking Form – Goal H, v.1

Goal H – Wetland Management

Pursue no net loss of wetlands in the BDWMO through continued City implementation of the Wetland Conservation Act (WCA), participation in technical evaluation panels (TEPs), and other wetland management roles.

Metric/Measures

The BDWMO will assess goal achievement based on the following measurable outcomes or actions:

- City staff performance of WCA administrative duties
- City/BDWMO staff participation in technical evaluation panels
- Other City/BDWMO management roles, as applicable



Goal Status/Tracking

Entity	2024			Notes
	Administer WCA locally	TEP Participation	Other WCA Roles	
Apple Valley				
Burnsville				
Eagan				
Lakeville				
BDWMO Staff				

Additional WCA Role Details (if applicable)

Placeholder to include narrative of participation in WCA-related actions.

Implementation Actions

The following activities are included in the BDWMO's 2022 Watershed Management Plan and have a direct impact on the BDWMO's wetland management goal H.

Administration and Engineering

AE-8 General Engineering – task includes providing technical support for projects as requested by cities, including projects addressing wetlands.

Education and Public Engagement

ED-4 Coordinate with member cities to develop and distribute educational information – wetland protection and buffers are identified as a key education topic.

Draft Goal Progress Tracking Form – Goal I, v.1

Goal I – Shoreland, Habitat, and Open Space Management

Promote improved shoreline integrity and the ecological functions of healthy shorelines through education, cost-share, and support of member city actions.

Metric/Measures

The BDWMO will assess goal achievement based on the following measurable outcomes or actions:

- Number of newsletter articles, social media posts, or other public broadcasts addressing shoreland health
- Number of workshops, field days, or hands-on training supported by member cities addressing shoreland health
- Number of shoreline projects implemented via Dakota SWCD's Landscaping for Clean Water
- BDWMO financial, technical, or planning support provided for member city shoreline projects



Goal Status/Tracking

Member City/Partner	2024			Cumulative 2023 - Present			Notes
	Broadcasts ¹	Workshops ²	Projects	Broadcasts ¹	Workshops ²	Projects ²	
Apple Valley							
Burnsville							
Eagan							
Lakeville							

(1) Including newsletters, articles, social media posts and other public broadcasts as noted.

(2) Including those supported by Dakota SCWD's Landscaping for Clean Water

Additional BDWMO Support Role Details (if applicable)

Placeholder to include narrative of BDWMO support for member city/partner shoreline actions.

Implementation Actions

The following activities are included in the BDWMO's 2022 Watershed Management Plan and have a direct impact on Goal I.

Education and Public Engagement

ED-4 Coordinate with member cities to develop and distribute educational information – including information about shoreline health.

Projects and Programs

PP-1 Implement small and medium-scale stormwater BMPs – including shoreline projects.

Draft BDWMO Goal Progress Tracking Form – Goal J, v.1

Goal J – Shoreland, Habitat, and Open Space Management

Maintain or improve the ecological and habitat quality of BDWMO strategic waterbodies to achieve applicable standards for floristic quality index (FQI \geq 17.8) and native species diversity of submerged vegetation (at least 11 species).

Placeholder for simple inset map showing BDWMO and location of strategic waterbodies

Metric/Measures

The BDWMO assesses goal achievement for floristic quality index (FQI) and submerged native species diversity in each lake individually based on the results of the most recent BDWMO management level monitoring. For both metrics, higher values are better.

Goal Status

The following table summarizes the FQI and submerged native species diversity data for strategic waterbodies collected from 2018-2021. All strategic waterbodies except Keller Lake are meeting the goal of 11 or more submerged native species. All strategic waterbodies are meeting the FQI goal of 17.8 with the exception of Keller Lake and Kingsley Lake; the FQI score for Kingsley Lake (17.4) is very close to the goal value.

Strategic Waterbody	Year of Assessment	Floristic Quality Index (FQI) ¹	Number of Native Submerged Species ²
Crystal Lake	2018	20.8	15
Keller Lake	2020	3.0	2
Kingsley Lake	2021	24.8	19
Lac Lavon	2019	17.4	11
Orchard Lake	2017	21.9	16



- (1) green = value equal or better (greater) than BDMWO goal of 17.8; red = value worse (less) than BDMWO goal of 17.8.
- (2) green = value equal or better (greater) than BDMWO goal of 11; red = value worse (less) than BDMWO goal of 11.

Implementation Actions

The following activities are included in the BDWMO's 2022 Watershed Management Plan and have a direct impact on the BDWMO's water quality goals for strategic waterbodies:

Monitoring

MN-1 Management level monitoring of strategic waterbodies, on a rotating 5-year cycle (next is Orchard Lake in 2024)

Projects and Programs

Placeholder for specific projects added as sub-items under CL-3, KL-3, KG-3, LL-3, and OL-3.

Draft Goal Progress Tracking Form – Goal O, v.1

Goal O – Administration

Promote efficient and consistent management of water and natural resources by coordinating staff and financial resources to address common goals while maintaining regulation at the local level.

Metric/Measures

The BDWMO will assess goal achievement based on the following outcomes, actions, or assessments:

- Did the BDWMO's 20XX expenditures fall between 80% and 110% of its planned 20XX budget?
- How many of the BDWMO 2022 Watershed Management Plan's 15 non-administrative goals (Goals A through M, Q, and R) were achieved or advanced in 20XX?
- Was regulation maintained at the local level?
- What were the BDWMO commissioners', administrator's, and member city staff's qualitative assessments of annual coordination:
 - Good/Neutral/Needs improvement



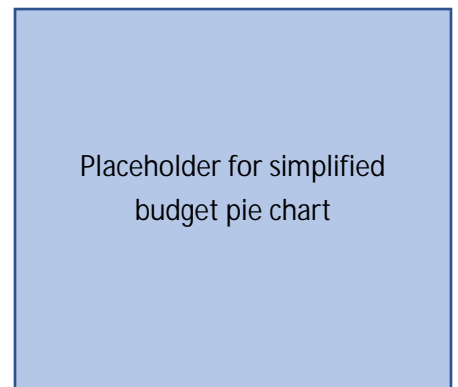
Goal Status/Tracking

Assessment	Score ¹	Notes
Did expenses fall within 80% to 110% of budget?	Budgeted: \$XX,XXX Spent: \$XX,XXX Percent: XX%	
Number of non-administrative goals achieved or advanced	Achieved: X Advanced: Y Total: (X+Y)/15	
Was regulation maintained at the local level?	Yes	
Commissioners' qualitative assessment of coordination	Good: X Neutral: X Needs improvement: X	
Administrator and member city staff qualitative assessment of coordination	Good: X Neutral: X Needs improvement: X	

(1) Score type varies according to question/assessment

This section will include a narrative discussion of the goal, for example:

In 20XX, the BDWMO promoted the efficient and consistent management of water and natural resources through successful coordination of its commissioners, staff, member cities, and partners. The BDWMO was within X percent of its planned operating budget *[note any extenuating circumstances]*. BDWMO member cities maintain direct land use permitting authority and request BDWMO assistance as needed *[note any special requests]*. Overall, coordination was considered *[good, neutral, needs improvement]* by the BDWMO commissioners, administrator and member city staff.



Implementation Actions

The following activities are included in the BDWMO's 2022 Watershed Management Plan and have a direct impact on the BDWMO's administrative goals.

Administration and Engineering

- AE-1 General Administration
- AE-7 Review Funding Mechanisms and Dues
- AE-8 General Engineering (includes coordination of engineer with administrator and member city staff)
- AE-4 Biennial Progress Review

Note that several other implementation activities are indirectly related to this goal.