

Black Dog Watershed Management Commission

AGENDA

Wednesday, August 16, 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 – June 21, 2023
- III. Approval of Accounts Payable
- IV. Review Budget Performance Reports
- V. Review 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.

To obtain this information in alternative forms such as braille, large print, audiotape or qualified readers, please contact the City of Burnsville. Telephone (952) 895-4400, TDD (952) 895-4567.

Black Dog Watershed Management Commission

Agenda Background August 16, 2023

I. Approval of Agenda

Agenda enclosed.

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

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

Minutes enclosed.

Action Requested: A motion be considered to approve the Minutes from the June 21, 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 three goals in the 2022 BDWMO Plan; one formatted example is also included to show how the final forms may appear. The three examples represent a quantitative goal (Goal A), semi-quantitative goal (Goal G), and qualitative goal (Goal O). The Engineer seeks input on content and layout of the draft goal tracking sheets before developing sheets for other goals.

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

VI. Miscellaneous

VII. Adjournment



DRAFT

Meeting Minutes

June 21, 2023

MEMBERS PRESENT

Mike Hughes, Vice Chair
Lynette Dunsworth
Rollie Greeno

MEMBERS ABSENT

Curt Enestvedt, Chair
Scott Thureen, Secretary/Treasurer
Greg Helms, Alternate

OTHERS PRESENT

Karen Chandler – Barr Engineering
Cole Birkeland – Campbell Knutson
Jessica Schaum – City of Apple Valley
Curt Coudron – Dakota County Soil & Water Conservation District
Daryl Jacobson – BDWMO Administrator
Tammi Carte – BDWMO Secretary

Mike Hughes, Vice Chair, called the June 21, 2023 meeting to order at 5:00pm.

I. Approval of Agenda

Motion by Greeno, second by Dunsworth, to approve the June 21, 2023 Agenda as presented.

Ayes – Hughes, Dunsworth, Greeno

Nays – None

Motion Carried Unanimously

II. Approval of Minutes from the May 17, 2023 Meeting

Motion by Dunsworth, second by Greeno, to approve the May 17, 2023 Minutes with the correction to Curt Enestvedt's role to Chair.

Ayes – Hughes, Dunsworth, Greeno

Nays – None

Motion Carried Unanimously

III. Approval of Accounts Payable

Motion by Greeno, second by Dunsworth, to approve accounts payable to Barr Engineering in the amount of \$7,263.99 for services from April 29, 2023 through June 2, 2023; and, to Campbell Knutson in the amount of \$35.00 for May 2023 general services; and, to League of MN Cities Insurance Trust in the amount of \$2,842.00 for LMCIT Property/Casualty Insurance for the period of July 15, 2023 to July 15 2024.

Ayes – Hughes, Dunsworth, Greeno

Nays – None

Motion Carried Unanimously

IV. Review Budget Performance Reports

Daryl Jacobson, BDWMO Administrator, shared the proposed plan, budget, and the proposed 2024 member contributions will be sent to member cities.

No Formal Action Required

V. Approval of 2022 Annual Activity Report

The Commission is required to generate and distribute an Annual Activity Report. A “Draft” of the 2022 Annual Activity Report was provided to the Commission for review prior to tonight’s meeting.

In 2024, the Black Dog WMO will implement its new ten year Watershed Plan that will include goal tracking. The 2022 Activity Report draft did not include mention of tracking measurable goals. Language will be added to the report to address goal tracking. Commissioners feel it’s important to continue including tracking history for comparing progress.

Motion by Dunsworth, second by Greeno, to approve the annual activity report with the changes discussed and authorize staff to distribute to the appropriate parties.

Ayes – Hughes, Dunsworth, Greeno

Nays – None

Motion Carried Unanimously

VI. Miscellaneous

1. The July Black Dog meeting may be canceled. If canceled, the next scheduled Commission meeting is August 16, 2023.

VII. Adjournment

Motion by Greeno, second by Dunsworth, to adjourn at 5:20pm.

Ayes – Hughes, Dunsworth, Greeno

Nays – None

Motion Carried Unanimously



Accounts Payable - August 16, 2023 Meeting

Barr Engineering - Services from June 3, 2023 through July 28, 2023

Engineering	\$	5,575.19
Special Projects: General Fund - 2023 Mang Level Mon - Keller Lake	\$	4,607.38
Public Education - Annual Activity Report (BWSR)	\$	737.50
	\$	<u>10,920.07</u>

Campbell Knutson

General Services - June 2023	\$	280.00
	\$	<u>280.00</u>

Dakota County Soil & Water Conservation District - Services for July 2022 - September 2022

Website Updates & Maintenance	\$	360.00
Landscaping for Clean Water Intro Class	\$	3,600.00
Landscaping for Clean Water Intro Design Course	\$	7,200.00
Landscaping for Clean Water Maintenance Workshop	\$	1,800.00
Technical Assistance - Landscaping for Clean Water Assistance	\$	1,000.00
Landscaping for Clean Water Grant: Grannes & Knutson	\$	500.00
	\$	<u>14,460.00</u>

Accounts Payable Total \$ 25,660.07

resourceful. naturally.
engineering and environmental consultants



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

August 7, 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 June 3, 2023 through July 28, 2023

TOTAL PAYABLE THIS INVOICE:	\$ 10,920.07
Allocation:	
Engineering	\$ 5,575.19
Special Projects: General Fund	
• Keller Lake 2023 Management Level Monitoring	\$ 4,607.38
Public Education	
• Annual Activity Report (BWSR)	\$ 737.50

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

A handwritten signature in black ink that reads "Karen L. Chandler".

Karen L. Chandler
Vice President

A handwritten signature in blue ink that reads "Daryl Jacobson".

OK
8-8-23

BUDGET SUMMARY - 2023 FY
Black Dog Watershed Management Commission
through July 28, 2023

Work Description	Pre-2023 Costs	2023 Barr Budget	Current Invoice	Spent This Year	Balance
Engineering	-----	43,000.00 ¹	5,575.19	15,655.07	27,344.93
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	4,607.38	7,750.33	11,349.67
Subtotal -- Special Projects: General Fund	-----	23,800.00	4,607.38	12,073.83	11,726.17
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	737.50	2,272.50	(172.50)
Subtotal -- Public Education	-----	6,600.00	737.50	6,469.00	131.00
Total Services	-----	84,600.00	10,920.07	43,964.90	40,635.10

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

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

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

August 4, 2023
Invoice No: 23190374.23 - 5

Total this Invoice	\$6,312.69
---------------------------	-------------------

Regarding: BDWMO 2023 Engineering Services

Professional Services from June 3, 2023 to July 28, 2023

Job:	2023	Engineering Services
Task:	001	Attend BDWMO Meetings

Labor Charges

	Hours	Rate	Amount
Vice President			
Chandler, Karen	1.40	200.00	280.00
	1.40		280.00
Subtotal Labor			280.00

Expense Charges

Travel			
6/21/2023	Chandler, Karen	Mileage	17.69
Subtotal Expenses			17.69
Task Subtotal			\$297.69

Task:	002	Miscellaneous Consulting
-------	-----	--------------------------

Labor Charges

	Hours	Rate	Amount
Vice President			
Chandler, Karen	7.50	200.00	1,500.00
Engineer / Scientist / Specialist III			
Rattei, Margaret	.40	150.00	60.00
Williams, Sterling	1.50	165.00	247.50
Support Personnel II			
Nypan, Nyssa	1.50	110.00	165.00
	10.90		1,972.50
Subtotal Labor			1,972.50
Task Subtotal			\$1,972.50

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

Project	23190374.23	BDWMO 2023 Engineering Services	Invoice	5
---------	-------------	---------------------------------	---------	---

Task: 003 Annual BWSR Activity Report

Labor Charges

	Hours	Rate	Amount	
Vice President				
Chandler, Karen	.80	200.00	160.00	
Engineer / Scientist / Specialist III				
Williams, Sterling	3.50	165.00	577.50	
	4.30		737.50	
Subtotal Labor				737.50
				Task Subtotal
				\$737.50

Task: 005 BDWMO Plan Goal Tracking

Labor Charges

	Hours	Rate	Amount	
Vice President				
Chandler, Karen	2.50	200.00	500.00	
Engineer / Scientist / Specialist III				
Williams, Sterling	17.00	165.00	2,805.00	
	19.50		3,305.00	
Subtotal Labor				3,305.00
				Task Subtotal
				\$3,305.00
				Job Subtotal
				\$6,312.69
				Total this Invoice
				\$6,312.69

	Current	Prior	Total	Received	A/R Balance
Invoiced to Date	6,312.69	15,811.38	22,124.07	15,811.38	6,312.69

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

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

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

August 7, 2023
Invoice No: 23190375.23 - 5

Total this Invoice	\$4,607.38
---------------------------	-------------------

Regarding: Management Level Water Quality Monitoring

Professional Services from June 3, 2023 to July 28, 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	1.00	160.00	160.00
Technician II			
Melmer, David	12.60	105.00	1,323.00
Novack, John	7.70	105.00	808.50
Technician I			
Schneider, Anna	.40	90.00	36.00
Wolf, Matthias	2.70	90.00	243.00
Support Personnel II			
Treanor, Margaret	3.10	120.00	372.00
Support Personnel I			
Merchant, Noella	.30	90.00	27.00
	27.80		2,969.50
Subtotal Labor			2,969.50

Subconsultant Charges

Subconsultants		
6/20/2023	RMB Environmental Laboratories Inc	43.20
7/9/2023	RMB Environmental Laboratories Inc	43.20
7/28/2023	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.

Project	23190375.23	Management Level Water Qual Monitoring	Invoice	5
---------	-------------	--	---------	---

Unit Charges

Canoe	2.0 days @ 45.00	90.00	
Ice (per bag)	4.0 ea @ 2.50	10.00	
Kemmerer Vertical Bottle Sampler	2.0 days @ 33.50	67.00	
Water Quality Meter (YSI 556 MPS)	2.0 days @ 85.00	170.00	
Zooplankton Bottle	1.0 ea @ 2.20	2.20	
Vehicle (Mileage)	136.0 miles @ 0.655	89.08	
Barr Owned Vehicle Use	2.0 days @ 105.00	210.00	
Subtotal Units		638.28	
	Task Subtotal	\$3,737.38	

Task: 200 Phytoplankton Counts

Labor Charges

	Hours	Rate	Amount	
Engineer / Scientist / Specialist III				
Rattei, Margaret	5.80	150.00	870.00	
	5.80		870.00	
Subtotal Labor			870.00	
	Task Subtotal		\$870.00	
	Job Subtotal		\$4,607.38	
	Total this Invoice		\$4,607.38	

	Current	Prior	Total	Received	A/R Balance
Invoiced to Date	4,607.38	7,466.45	12,073.83	7,466.45	4,607.38

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
June 30, 2023
Account # 602-0000G
386

RE: GENERAL SERVICES
RENDERED TO DATE:

			HOURS	
06/21/2023	CAB	Review agenda packet.	0.40	70.00
	CAB	Drive to/from and attend board meeting.	1.20	210.00
		AMOUNT DUE	1.60	280.00
		TOTAL CURRENT WORK		280.00
		PREVIOUS BALANCE		\$35.00
06/30/2023		Payment - thank you		-35.00
		TOTAL AMOUNT DUE		<u>\$280.00</u>

OK

8-9-23

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.

**Dakota County Soil and Water
Conservation District**

4100 220th St W Ste 102

Farmington, MN 55024

651-480-7777

DakotaSWCD.Accounting@co.dakota.mn.us



INVOICE

BILL TO
Black Dog WMO
Daryl Jacobson, Administrator
13713 Frontier Court
Burnsville, MN 55337

INVOICE 3301
DATE 07/10/2023
TERMS Net 30 Days

BILLING PERIOD
Apr - Jun 2023

AGREEMENT
2023 Agreement

DESCRIPTION	QTY	RATE	AMOUNT
EDUCATION AND ASSISTANCE OUTREACH			
Website Updates and Maintenance	4	90.00	360.00
Fee: Website Hosting	0	900.00	
Landscaping for Clean Water Intro Class	1	3,600.00	3,600.00
Landscaping for Clean Water Design Course	1	7,200.00	7,200.00
Landscaping for Clean Water Maintenance Workshop	1	1,800.00	1,800.00
TECHNICAL ASSISTANCE			
Landscaping for Clean Water Technical Assistance: Grannes & Knutson	2	500.00	1,000.00
COST SHARE			
Landscaping for Clean Water Grant: Grannes & Knutson	2	250.00	500.00

It's been a pleasure working with you!

BALANCE DUE

\$14,460.00

A handwritten signature in blue ink, appearing to read "Daryl Jacobson". There is a small "OK" written above the signature.

7-14-23

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	-	-	-	-	-	-	-	-	-	-	-
Total Revenue		13,501.19	Total Expense		86,001.74	12,234.88	15,298.45	-	3,130.50	2,842.00	1,435.00	24,032.91	13,319.00	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		13,501.19	Total YTD 2023 Exp		38,316.83	10,079.88	7,466.45	-	-	2,842.00	1,260.00	-	6,901.50	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		119,883.00	32,920.00	29,833.55	-	-	(342.00)	3,740.00	24,000.00	18,798.50	5,433.00	500.00	5,000.00
YTD Interest Income		13,501.19														

BLACK DOG WATER MANAGEMENT COMMISSION

Budget Performance Report July 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	\$ 1,966	\$ 40	\$ -	\$ 13,501	\$ 13,461
Grant (State of MN BWSR)	-	-	-	-	-
Total Other Revenue	1,966	40	-	13,501	13,461
Total Revenues	\$ 1,966	\$ 131,040	\$ 12,500	\$ 13,501	\$ (130,039)
EXPENDITURES :					
General Engineering Support	\$ 3,453	\$ 43,000	\$ -	\$ 10,080	\$ 32,920
Special Projects - General Fund	2,021	37,300	-	7,466	29,834
Special Projects - Capital Improvement Func	-	-	-	-	-
Special Projects - General Fund Reserve	-	-	-	-	-
Insurance	2,842	2,500	-	2,842	(342)
Legal and Audit	35	5,000	-	1,260	3,740
Administrative Support	-	24,000	-	-	24,000
Public Education	1,791	25,700	-	6,902	18,799
Water Quality Monitoring	-	15,200	-	9,767	5,433
Conference/Publications	-	500	-	-	500
Contingency	-	5,000	-	-	5,000
Total Expenditures	10,141	158,200	-	38,317	119,883
EXCESS OF REVENUES OVER (UNDER) EXPENDITURES	(8,175)	(27,160)	12,500	(24,816)	
EXCESS OF REVENUES OVER (UNDER) EXPENDITURES PLUS OPENING FUND BALANCE				460,964	
TOTAL CASH AVAILABLE 7/31/2023	460,964				
Fund Balance 7/31/2023	\$ 460,964				

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:

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

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

Metric/Measures

The BDWMO will assess goal achievement based on collected water chemistry data collected via the BDWMO's management level water quality monitoring program and Metropolitan Council Citizen Assisted Monitoring Program (CAMP). The BDWMO will perform trend analyses on the most recent 10-year period and assess for significant improving or degrading trends at a 95 percent confidence using a linear least squares regression method.

**Mostly Met
(67%)**

Goal Status

Strategic Waterbody	Parameter	Unit	Goal Value	10-year Average ¹	Trend	Goal Met?
Crystal Lake	Total Phosphorus	ug/L	26	24.8	--	Yes
	Chlorophyll a	ug/L	13	12.7	--	Yes
	Secchi depth	m	2.1	2.1	Improving	Yes
Keller Lake	Total Phosphorus	ug/L	60	76.0	Improving	No
	Chlorophyll a	ug/L	20	37.4	Improving	No
	Secchi depth	m	1	0.9	Improving	No
Kingsley Lake	Total Phosphorus	ug/L	17	18.6	Degrading	No
	Chlorophyll a	ug/L	2.3	2.9	--	Yes
	Secchi depth	m	3.0	3.0	--	Yes
Lac Lavon	Total Phosphorus	ug/L	13	12.3	--	Yes
	Chlorophyll a	ug/L	2.9	3.9	--	Yes
	Secchi depth	m	4.2	4.2	--	Yes
Orchard Lake	Total Phosphorus	ug/L	21	21.0	--	Yes
	Chlorophyll a	ug/L	6.2	6.3	--	Yes
	Secchi depth	m	2.5	2.4	Degrading	No

(1) 2013-2022 data.

Of the strategic waterbodies, Crystal Lake and Lac Lavon are meeting all water quality goals. Kingsley Lake and Orchard Lake are mostly meeting water quality goals with statistically significant degrading trends observed in total phosphorus and Secchi disc transparency, respectively. Although degrading trends were observed in 2022 data, the 10-year averages are very close to the respective goal values (which are well below 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.

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)

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	Regulatory	

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

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.

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? Did the BDWMO become involved in addressing any member city land-use issues?
- 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.

Placeholder for simplified
budget pie chart

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.

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:

Keller Lake—60 ug/L total phosphorus, 20 ug/l chlorophyll a, and 1.0 meter Secchi disc transparency (i.e., applicable state shallow lake water quality standards for eutrophication)

Crystal Lake—26 ug/L total phosphorus, 13 ug/l chlorophyll a, and 2.1 meter Secchi disc transparency

Kingsley Lake—17 ug/L total phosphorus, 2.3 ug/l chlorophyll a, and 3.0 meter Secchi disc transparency

Lac Lavon—13 ug/L total phosphorus, 2.9 ug/l chlorophyll a, and 4.2 meter Secchi disc transparency

Orchard Lake—21 ug/L total phosphorus, 6.2 ug/l chlorophyll a, and 2.5 meter Secchi disc transparency

BDWMO map showing
location of strategic
waterbodies

Metric/Measures

The BDWMO will assess goal achievement based on collected water chemistry data collected via the BDWMO's management level water quality monitoring program and Metropolitan Council Citizen Assisted Monitoring Program (CAMP). The BDWMO will perform trend analyses on the most recent 10-year period and assess for significant improving or degrading trends at a 95 percent confidence using a linear least squares regression method.

Mostly
Met
(67%)

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)

Status

Strategic Waterbody	Parameter	Unit	Goal Value	10-year Average ¹	Trend	Goal Met?
Crystal Lake	Total Phosphorus	ug/L	26	24.8	—	Yes
	Chlorophyll a	ug/L	13	12.7	—	Yes
	Secchi depth	m	2.1	2.1	Improving	Yes
Keller Lake	Total Phosphorus	ug/L	60	76.0	Improving	No
	Chlorophyll a	ug/L	20	37.4	Improving	No
	Secchi depth	m	1	0.9	Improving	No
Kingsley Lake	Total Phosphorus	ug/L	17	18.6	Degrading	No
	Chlorophyll a	ug/L	2.3	2.9	—	Yes
	Secchi depth	m	3.0	3.0	—	Yes
Lac Lavon	Total Phosphorus	ug/L	13	12.3	—	Yes
	Chlorophyll a	ug/L	2.9	3.9	—	Yes
	Secchi depth	m	4.2	4.2	—	Yes
Orchard Lake	Total Phosphorus	ug/L	21	21.0	—	Yes
	Chlorophyll a	ug/L	6.2	6.3	—	Yes
	Secchi depth	m	2.5	2.4	Degrading	No

¹ 2013–2022 data

Of the strategic waterbodies, Crystal Lake and Lac Lavon are meeting all water quality goals. Kingsley Lake and Orchard Lake are mostly meeting water quality goals with statistically significant degrading trends observed in total phosphorus and Secchi disc transparency, respectively. Although degrading trends were observed in 2022 data, the 10-year averages are very close to the respective goal values (which are well below 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.