

Black Dog Watershed Management Commission

AGENDA

Wednesday, April 21, 2021

5:00 P.M.

COMMISSIONERS:

Curt Enestvedt, Chairperson
Mike Hughes, Vice-Chairperson
Scott Thureen, Secretary/Treasurer
Tom Harmening
Rollie Greeno
Frank Boyce, Alternate
Greg Helms, Alternate
Natalie Walker, Alternate

- I. Approval of Agenda
- II. Approval of Minutes – March 17, 2021
- III. Approval of Accounts Payable
- IV. Review Budget Performance Reports
- V. Approval of 2020 Annual Activity Report
- VI. Review Watershed Plan Update Items
- VII. Miscellaneous
- VIII. 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 April 21, 2021

I. Approval of Agenda

Agenda enclosed.

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

II. Approval of Minutes from the February 17, 2021 Meeting

Minutes enclosed.

Action Requested: A motion be considered to approve the Minutes from the March 17, 2021 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. Approval of the 2020 Annual Activity Report

The Commission is required by the Joint Powers Agreement to generate and distribute an Annual Activity Report. Enclosed is a "Draft" of the 2020 Annual Activity Report for the Commission's review and approval.

Action requested: Consider a motion approving the Annual Activity Report and authorizing staff to distribute it to the appropriate parties.

VI. Review Watershed Plan Update Items

Barr staff will go over current items related to the watershed plan update.

Action Requested: No formal action required

VII. Miscellaneous

VIII. Adjournment

Black Dog Watershed Management Commission

DRAFT **Meeting Minutes** **March 17, 2021**

MEMBERS PRESENT

Curt Enestvedt, Chair
Mike Hughes, Vice Chairperson
Rollie Greeno
Frank Boyce, Alternate (voting)
Natalie Walker, Alternate (not voting)

MEMBERS ABSENT

Greg Helms, Alternate
Scott Thureen, Secretary/Treasurer
Tom Harmening

OTHERS PRESENT

Karen Chandler – Barr Engineering
Greg Williams – Barr Engineering
Kevin Menken, Barr Engineering
Karen Wold, Barr Engineering
Samantha Berger – City of Apple Valley
Jessica Schaum – City of Apple Valley
Joel Jamnik, Campbell Knutson
Lindsey Albright – Dakota County Soil and Water Conservation District
Ann Messerschmidt – City of Lakeville
Daryl Jacobson – BDWMO Administrator
Tammi Carté – BDWMO Secretary

Curt Enestvedt, Chair, called the March 17, 2021, meeting to order at 5:02 via WebEx.

I. Approval of Agenda

Motion by Hughes, second by Greeno, to approve the March 17, 2021 Agenda as presented.

Ayes – Enestvedt, Hughes, Greeno, Boyce
Nays – None

Motion Carried Unanimously

II. Approval of Minutes from the February 17, 2021 Meeting

Motion by Hughes, second by Greeno, to approve the February 17, 2021 Minutes as presented.

Ayes – Enestvedt, Hughes, Greeno, Boyce
Nays – None

Motion Carried Unanimously

III. Approval of Accounts Payable

Motion by Greeno, second by Hughes, to approve payment to Barr Engineering in the amount of \$11,973.00 for services from January 29, 2021 through February 26, 2021.

Ayes – Enestvedt, Hughes, Greeno, Boyce

Nays – None

Motion Carried Unanimously

IV. Review Budget Performance Reports

Daryl Jacobson, BDWMO Administrator – Finance staff are working on the 2020 end of year financial statement. Hope to have that at the April meeting.

No Formal Action Required

V. Acceptance of 2020 Orchard Lake Water Quality Monitoring Report

In 2020 Barr Engineering performed increased water quality monitoring on Orchard Lake. A copy of the report was provided to the Commission for review prior to tonight's meeting. The technical memo includes information most people would find beneficial. The technical reference document includes more detailed information and data.

Kevin Menken, Barr Engineering, reviewed the monitoring performed and the results of the monitoring.

Motion by Hughes, second by Boyce, to accept the 2020 Orchard Lake Water Quality Monitoring Report as presented.

Ayes – Enestvedt, Hughes, Greeno, Boyce

Nays – None

Motion Carried Unanimously

VI. Acceptance of 2020 Keller Lake Habitat Monitoring Report

Habitat Monitoring was performed on Keller Lake in 2020. A copy of the report was provided to the Commission for review prior to tonight's meeting. The technical memo includes information most people would find beneficial. The technical reference document includes more detailed information and data.

Karen Chandler, Barr Engineering reviewed the report for the Commission.

Motion by Hughes, second by Boyce, to accept the 2020 Keller Lake Habitat Monitoring Report as presented.

Ayes – Enestvedt, Hughes, Greeno, Boyce

Nays – None

Motion Carried Unanimously

VII. Approve Draft of the 2020 Annual Watershed Newsletter

A draft of the 2020 Watershed Annual Newsletter was provided to the Commission for review prior to this meeting. Commissioners were asked to provide feedback about changes that might be needed to the report.

Karen Chandler, Barr Engineering, reviewed the annual newsletter highlights for the Commission. The non-functioning link included in the draft newsletter will be corrected prior to distribution. Other minor edits were suggested.

Motion by Greeno, second by Hughes to approve the 2020 Annual Watershed Newsletter for distribution with suggested edits.

Ayes – Enestvedt, Hughes, Greeno, Boyce

Nays – None

Motion Carried Unanimously

VIII. Review Materials for the Initial Planning Meeting for the Plan Update

Barr Engineering reviewed the materials and information related to the initial planning meeting for the plan update. The meeting is currently scheduled to coincide with the April Black Dog WMO meeting.

An invitation will be distributed to plan review authorities for the virtual planning meeting and will include instructions for joining the meeting. A Public Notice with instructions will be published inviting participants to join virtually. Barr Engineering will host the planning meeting.

Motion by Hughes, second by Boyce, authorizing Barr Engineering to finalize and distribute a notice for the Initial Planning Meeting for the Plan Update.

Ayes – Enestvedt, Hughes, Greeno, Boyce

Nays – None

Motion Carried Unanimously

IX. Update on Survey Responses

Barr Engineering provided an update on the survey responses currently received by summarizing the results to date. Some of the results reviewed included how resources are used and the importance of resources. Quality of life responses consider watershed items to be very important. Many who responded are already taking actions, or are willing to take actions, to improve the quality of surface water. An in-depth summary of results will be provided after more responses come in.

No Formal Action Required

X. Review of Initial Technical Advisory Meeting

Staff attended the initial Black Dog WMO Technical Advisory Committee meeting on March 12, 2021. Greg Williams, Barr Engineering, updated the Commission on this meeting. The technical advisory committee will meet regularly throughout the plan update process to provide input to help guide plan development. The primary focus of the initial meeting was to identify and prioritize potential issues to be addressed by the plan. Minutes of the Technical Advisory meetings will be provided to the Committee once available.

No Formal Action Required

XI. Miscellaneous

1. The next Black Dog WMO meeting is scheduled for April 21, 2021.
2. Forum for future electronic Black Dog WMO meetings – Barr Engineering will no longer be supporting Webex. Future electronic meetings will be via Zoom. Staff will set up the Zoom meetings starting April 2021. Instructions will continue to be sent out with the meeting packets.

XII. Adjournment

Motion by Hughes, second by Greeno, to adjourn at 6:37pm.

Ayes – Enestvedt, Hughes, Greeno, Boyce

Nays – None

Motion Carried Unanimously

BLACK DOG WATERSHED MANAGEMENT COMMISSION
100 Civic Center Parkway
Burnsville, MN 55337

Accounts Payable - April 21, 2021 Meeting

Barr Engineering - Services from February 27, 2021 through April 2, 2021

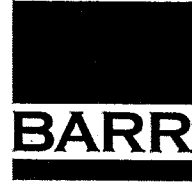
Engineering	\$	3,632.50
Special Projects General Fund - Orchard Lake Water Quality Monitoring	\$	2,036.50
Special Projects General Fund - Crystal Lake Mgmt Level Monitoring	\$	105.00
Special Projects Capital Improvement Fund - Keller Lake Alum Treatment	\$	350.00
Special Projects General Fund Reserve - Watershed Mgmt Plan Update	\$	2,736.00
Water Quality Monitoring - Keller Lake	\$	2,542.00
Water Quality Monitoring - Update Trend Analyses	\$	375.00
Public Education - Watershed Annual Report	\$	3,035.50
Public Education - Annual Activity Report (BWSR)	\$	425.50
	\$	15,238.00

Campbell Knutson

February 2021 - General Services	\$	170.00
March 2021 - General Services	\$	221.00
	\$	391.00

Accounts Payable Total \$ 15,629.00

resourceful. naturally.
engineering and environmental consultants



April 12, 2021

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 February 27, 2021 through April 2, 2021

TOTAL PAYABLE THIS INVOICE:	\$ 15,238.00
Allocation:	
Engineering	\$ 3,632.50
Special Projects General Fund	
• Orchard Lk Water Quality Monitoring	\$ 2,036.50
• Crystal Lk Mgmt Level Monitoring	\$ 105.00
Special Projects Capital Improvement Fund	
• Keller Lake Alum Treatment	\$ 350.00
Special Projects General Fund Reserve	
• Watershed Mgmt Plan Update	\$ 2,736.00
Water Quality Monitoring	
• Keller Lake	\$ 2,542.00
• Update Trend Analyses	\$ 375.00
Public Education	
• Watershed Annual Report	\$ 3,035.50
• Annual Activity Report (BWSR)	\$ 425.50

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". The signature is written in a cursive, flowing style.

Karen L. Chandler
Vice President

BUDGET SUMMARY - 2021 FY
Black Dog Watershed Management Commission
through April 2, 2021

Work Description	Pre-2021 Costs	Barr Budget				Current Invoice	Spent This Year	Balance
		Brought Forward	Current Year	Total Barr Budget				
Engineering	----	0.00	31,000.00	31,000.00		3,632.50	7,828.50	23,171.50
Special Projects: General Fund								
Reporting on Orchard Lk 2020 Water Quality Monitoring	----	0.00	4,500.00	4,500.00		2,036.50	4,126.00	374.00 #
Crystal Lake 2021 Mgmt Level Monitoring			18,800.00	18,800.00		105.00	189.00	18,611.00 #
Subtotal -- Special Projects: General Fund	----	0.00	23,300.00	23,300.00		2,141.50	4,315.00	18,985.00
Special Projects: Capital Improvement Fund								
Keller Lake Alum Treatment			10,000.00	10,000.00		350.00	2,030.00	7,970.00 #
Subtotal -- Special Projects: Capital Improvement Fund	----	0.00	10,000.00	10,000.00		350.00	2,030.00	7,970.00
Special Projects: General Fund Reserve								
Watershed Management Plan Update ¹	10,905.00		70,000.00	70,000.00		2,736.00	5,154.00	64,846.00
Subtotal -- Special Projects: General Fund Reserve	----	0.00	70,000.00	70,000.00		2,736.00	5,154.00	64,846.00
Water Quality Monitoring								
Reporting on 2020 Keller Lake Habitat Monitoring	----	0.00	8,000.00	8,000.00		2,542.00	7,983.50	16.50
2021 Kingsley Lake Habitat Monitoring		0.00	3,300.00	3,300.00		0.00	0.00	3,300.00
Update Trend Analyses	----	0.00	2,000.00	2,000.00		375.00	1,687.50	312.50
Subtotal -- W.Q. Monitoring	----	0.00	13,300.00	13,300.00		2,917.00	9,671.00	3,629.00
Public Education								
Watershed Annual Report	----	0.00	4,300.00	4,300.00		3,035.50	3,519.00	781.00
Annual Activity Report (BW/SR)	----	0.00	2,000.00	2,000.00		425.50	425.50	1,574.50
Subtotal -- Public Education	----	0.00	6,300.00	6,300.00		3,461.00	3,944.50	2,355.50
Total Services	----	0.00	153,900.00	153,900.00		15,238.00	32,943.00	120,957.00

Notes:

¹ Plan Update budget--\$98,200 (\$97,000 authorized at 11/18/2020 meeting, additional \$1,200 authorized at 1/20/2021 meeting), including \$10,000 budgeted in 2020



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

April 12, 2021
Invoice No: 23190374.21 - 3

Total this Invoice	\$7,093.50
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Regarding: BDWMO 2021 Engineering Services

Professional Services from February 27, 2021 to April 2, 2021

Job:	2021	Engineering Services
Task:	001	Attend BDWMO Meetings

Labor Charges

	Hours	Rate	Amount
Principal			
Chandler, Karen	1.90	185.00	351.50
Engineer / Scientist / Specialist III			
Williams, Sterling	1.40	150.00	210.00
	3.30		561.50
Subtotal Labor			561.50
Task Subtotal			\$561.50

Task:	002	Miscellaneous Consulting
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Labor Charges

	Hours	Rate	Amount
Principal			
Chandler, Karen	14.40	185.00	2,664.00
Engineer / Scientist / Specialist II			
Anderson, Edward	1.10	95.00	104.50
Support Personnel II			
Burt, Deborah	.50	105.00	52.50
Nypan, Nyssa	2.50	100.00	250.00
	18.50		3,071.00
Subtotal Labor			3,071.00
Task Subtotal			\$3,071.00

Task:	003	Annual BWSR Activity Report
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PLEASE REMIT TO ABOVE ADDRESS and INCLUDE INVOICE NUMBER ON CHECK.

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

Labor Charges

	Hours	Rate	Amount	
Principal				
Chandler, Karen	2.30	185.00	425.50	
	2.30		425.50	
Subtotal Labor				425.50
			Task Subtotal	\$425.50

Task: 004 Newsletter/Watershed Report

Labor Charges

	Hours	Rate	Amount	
Principal				
Chandler, Karen	3.70	185.00	684.50	
Engineer / Scientist / Specialist IV				
Wilson, Gregory	.50	175.00	87.50	
Engineer / Scientist / Specialist III				
Menken, Kevin	3.00	125.00	375.00	
Wold, Karen	.80	140.00	112.00	
Support Personnel I				
Kaul (Contracted), Karen	18.70	95.00	1,776.50	
	26.70		3,035.50	
Subtotal Labor				3,035.50
			Task Subtotal	\$3,035.50
			Job Subtotal	\$7,093.50
			Total this Invoice	\$7,093.50

	Current	Prior	Total	Received	A/R Balance
Invoiced to Date	7,093.50	4,679.50	11,773.00	4,679.50	7,093.50

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

April 12, 2021
Invoice No: 23190375.21 - 3

Total this Invoice	\$2,141.50
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Regarding: Management Level Water Quality Monitoring

Professional Services from February 27, 2021 to April 2, 2021

Job:	CRY	Crystal Lk 2021 Water Quality Monitoring
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Task:	100	Monitoring Data Mgmt & Proj Mgmt
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Labor Charges

	Hours	Rate	Amount
Engineer / Scientist / Specialist III			
Olson, Terri	.10	150.00	15.00
Technician I			
Melmer, David	1.00	90.00	90.00
	1.10		105.00
Subtotal Labor			105.00
		Task Subtotal	\$105.00
		Job Subtotal	\$105.00

Job:	ORCH	Orchard Lk 2020 Reporting
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Task:	100	Letter Report
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Labor Charges

	Hours	Rate	Amount
Principal			
Chandler, Karen	4.80	185.00	888.00
Engineer / Scientist / Specialist III			
Menken, Kevin	1.80	125.00	225.00
	6.60		1,113.00
Subtotal Labor			1,113.00
		Task Subtotal	\$1,113.00

Task:	200	Presentation
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Labor Charges

	Hours	Rate	Amount
Principal			
Chandler, Karen	.60	185.00	111.00

PLEASE REMIT TO ABOVE ADDRESS and INCLUDE INVOICE NUMBER ON CHECK.

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

Menken, Kevin

6.50

125.00

812.50

7.10

923.50

Subtotal Labor

923.50

Task Subtotal

\$923.50

Job Subtotal

\$2,036.50

Total this Invoice

\$2,141.50

	Current	Prior	Total	Received	A/R Balance
Invoiced to Date	2,141.50	2,173.50	4,315.00	2,173.50	2,141.50

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.



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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

April 12, 2021
Invoice No: 23190375.98 - 11

Total this Invoice	\$350.00
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Regarding: Keller Lake Alum Treatment

Professional Services from February 27, 2021 to April 2, 2021

Job:	002	Feasibility & implementation planning
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Task:	007	Admin/permitting/oversight
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Labor Charges

	Hours	Rate	Amount
Engineer / Scientist / Specialist IV			
Wilson, Gregory	1.00	175.00	175.00
	1.00		175.00
Subtotal Labor			175.00
		Task Subtotal	\$175.00
		Job Subtotal	\$175.00

Job:	003	BWSR Contract Administration
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Task:	001	BWSR Contract Administration
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Labor Charges

	Hours	Rate	Amount
Engineer / Scientist / Specialist IV			
Wilson, Gregory	1.00	175.00	175.00
	1.00		175.00
Subtotal Labor			175.00
		Task Subtotal	\$175.00
		Job Subtotal	\$175.00
		Total this Invoice	\$350.00

	Current	Prior	Total	Received	A/R Balance
Invoiced to Date	350.00	39,363.47	39,713.47	39,363.47	350.00

Thank you in advance for the prompt processing of this invoice. If you have any questions, please contact Greg Wilson, your Barr project manager, at (952) 832-2672 or email at gwilson@barr.com.

PLEASE REMIT TO ABOVE ADDRESS and INCLUDE INVOICE NUMBER ON CHECK.

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

April 12, 2021
Invoice No: 23190375.99 - 5

Total this Invoice	\$375.00
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Regarding: Trend Analysis

Professional Services from February 27, 2021 to April 2, 2021

Job:	2021	2020 Data
Task:	100	Trend Analysis 2020 Data

Labor Charges

	Hours	Rate	Amount
Engineer / Scientist / Specialist III			
Menken, Kevin	3.00	125.00	375.00
	3.00		375.00
Subtotal Labor			375.00
		Task Subtotal	\$375.00
		Job Subtotal	\$375.00
		Total this Invoice	\$375.00

	Current	Prior	Total	Received	A/R Balance
Invoiced to Date	375.00	2,932.50	3,307.50	2,932.50	375.00

Thank you in advance for the prompt processing of this invoice. If you have any questions, please contact Greg Wilson, your Barr project manager, at (952) 832-2672 or email at gwilson@barr.com.

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FEIN #: 41-0905995 Inc: 1966

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

April 12, 2021
Invoice No: 23190457.21 - 3

Total this Invoice	\$2,542.00
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Regarding: Habitat Monitoring

Professional Services from February 27, 2021 to April 2, 2021

Job:	KELL	Keller Lake 2020 Reporting
Task:	001	Analysis, Report & Presentation

Labor Charges

	Hours	Rate	Amount
Principal			
Chandler, Karen	5.00	185.00	925.00
Engineer / Scientist / Specialist IV			
Wilson, Gregory	1.00	175.00	175.00
Engineer / Scientist / Specialist III			
Wold, Karen	10.30	140.00	1,442.00
	16.30		2,542.00
Subtotal Labor			2,542.00
		Task Subtotal	\$2,542.00
		Job Subtotal	\$2,542.00
		Total this Invoice	\$2,542.00

	Current	Prior	Total	Received	A/R Balance
Invoiced to Date	2,542.00	5,441.50	7,983.50	5,441.50	2,542.00

Thank you in advance for the prompt processing of this invoice. If you have any questions, please contact Karen Wold, your Barr project manager, at (952) 832-2707 or email at kwold@barr.com.

PLEASE REMIT TO ABOVE ADDRESS and INCLUDE INVOICE NUMBER ON CHECK.

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INVOICE

Barr Engineering Co.
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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

April 12, 2021
Invoice No: 23191455.00 - 4

Total this Invoice	\$2,736.00
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Regarding: BDWMO 2022 Watershed Management Plan

Professional Services from February 27, 2021 to April 2, 2021

Job: 100 Stakeholder Engagement

Task: 003 Online Survey

Labor Charges

	Hours	Rate	Amount
Support Personnel II			
Ungar, Lisa	.20	130.00	26.00
	.20		26.00
Subtotal Labor			26.00
Task Subtotal			\$26.00

Task: 004 TAC meetings

Labor Charges

	Hours	Rate	Amount
Principal			
Chandler, Karen	2.30	185.00	425.50
Engineer / Scientist / Specialist III			
Williams, Sterling	2.50	150.00	375.00
	4.80		800.50
Subtotal Labor			800.50
Task Subtotal			\$800.50

Task: 007 Public Kickoff Meeting

Labor Charges

	Hours	Rate	Amount
Principal			
Chandler, Karen	.60	185.00	111.00
Engineer / Scientist / Specialist III			
Williams, Sterling	2.50	150.00	375.00
	3.10		486.00
Subtotal Labor			486.00

PLEASE REMIT TO ABOVE ADDRESS and INCLUDE INVOICE NUMBER ON CHECK.

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

Project	23191455.00	BDWMO 2022 Watershed Management Plan	Invoice	4
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Task Subtotal \$486.00

Job Subtotal \$1,312.50

Job: 200 Draft Plan Development

Task: 001 Physical Environment Inventory

Labor Charges

	Hours	Rate	Amount
Engineer / Scientist / Specialist III			
Williams, Sterling	3.60	150.00	540.00
Engineer / Scientist / Specialist II			
Anderson, Edward	9.30	95.00	883.50
	12.90		1,423.50
Subtotal Labor			1,423.50

Task Subtotal \$1,423.50

Job Subtotal \$1,423.50

Total this Invoice \$2,736.00

	Current	Prior	Total	Received	A/R Balance
Invoiced to Date	2,736.00	3,352.00	6,088.00	3,352.00	2,736.00

Thank you in advance for the prompt processing of this invoice. If you have any questions, please contact Greg Williams, your Barr project manager, at (952) 832-2945 or email at gwilliams@barr.com.

CAMPBELL KNUTSON
Professional Association
Attorneys at Law
Federal Tax I.D. #41-1562130
Grand Oak Office Center I
860 Blue Gentian Road, Suite 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
February 28, 2021
Account # 602-0000G
361

RE: GENERAL SERVICES
RENDERED TO DATE:

			HOURS	
02/04/2021	JJJ	Emails Tammi, review agenda.	0.20	34.00
02/16/2021	JJJ	Review agenda packet.	0.30	51.00
02/17/2021	JJJ	Attend Board meeting.	0.50	85.00
		AMOUNT DUE	1.00	170.00
		TOTAL CURRENT WORK		170.00
		PREVIOUS BALANCE		\$340.00
02/28/2021		Payment - thank you		-340.00
		TOTAL AMOUNT DUE		<u>\$170.00</u>

OK
Daryl Jacobson
3-11-21

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.


CAMPBELL KNUTSON
Professional Association
Attorneys at Law
Federal Tax I.D. #41-1562130
Grand Oak Office Center I
860 Blue Gentian Road, Suite 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
March 31, 2021
Account # 602-0000G
362

RE: GENERAL SERVICES
RENDERED TO DATE:

			HOURS	
03/17/2021	JJJ	Attend Board meeting.	1.30	221.00
		AMOUNT DUE	1.30	221.00
		TOTAL CURRENT WORK		221.00
		PREVIOUS BALANCE		\$170.00
		TOTAL AMOUNT DUE		<u>\$391.00</u>

OK

4-8-21

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 2021

					Expenditures:											
Date	Description	Deposits	Check #	Check Amount	Monthly Cash Balance	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 12/31/20					572,983.92											
20-Jan	Barr Engineering Co (2020)		1745	4,253.50		2,637.50	1,508.00	-	-					108.00		
20-Jan	Campbell Knutson (2020)		1746	85.00							85.00					
20-Jan	Met Council - Environ Services (2020)		1747	3,040.00										3,040.00		
31-Jan	Interest Income	9.67														
01/31/20 Balance		9.67		7,378.50	565,615.09	2,637.50	1,508.00	-	-	-	85.00	-	-	3,148.00	-	-
17-Feb	Barr Engineering Co		1748	5,732.00		2,284.00	89.50	1,155.00	1,186.00				-	1,017.50		
17-Feb	Campbell Knutson		1749	340.00							340.00					
17-Feb	City of Burnsville (2020)		1750	19,101.21								19,101.21				
17-Feb	Dakota County Soil & Water (2020)		1751	2,765.00			2,250.00	-	-				515.00			
28-Feb	Interest Income	8.72														
02/28/20 Balance		8.72		27,938.21	537,685.60	2,284.00	2,339.50	1,155.00	1,186.00	-	340.00	19,101.21	515.00	1,017.50	-	-
17-Mar	Barr Engineering		1752	11,973.00		1,912.00	2,084.00	525.00	1,232.00		-		483.50	5,736.50		
31-Mar	Interest Income	8.17														
03/31/20 Balance		8.17		11,973.00	525,720.77	1,912.00	2,084.00	525.00	1,232.00	-	-	-	483.50	5,736.50	-	-
Total Revenue		26.56	Total Expense			6,833.50	5,931.50	1,680.00	2,418.00	-	425.00	19,101.21	998.50	9,902.00	-	-
Less: 2020 A/R		-	Less: 2020 A/P			(2,637.50)	(3,758.00)	-	-	-	(85.00)	(19,101.21)	(515.00)	(3,148.00)	-	-
Total YTD 2020 Revenue		26.56	Total YTD 2021 Exp			4,196.00	2,173.50	1,680.00	2,418.00	-	340.00	-	483.50	6,754.00	-	-
			2021 Budget			31,000.00	36,800.00	10,000.00	70,000.00	3,000.00	5,000.00	18,000.00	18,100.00	17,100.00	500.00	5,000.00
			Budget Remaining			26,804.00	34,626.50	8,320.00	67,582.00	3,000.00	4,660.00	18,000.00	17,616.50	10,346.00	500.00	5,000.00

BLACK DOG WATER MANAGEMENT COMMISSION

Budget Performance Report March 31, 2021

	CURRENT MONTH	YEAR TO DATE			
	ACTUAL	GENERAL FUND BUDGET	CAPITAL IMPROVEMENT FUND BUDGET	ACTUAL	VARIANCE FAVORABLE (UNFAVORABLE)
Opening Fund Balance		\$ 421,605	\$ 122,135	\$ 543,739	
REVENUES :					
Member Contributions:					
City of Apple Valley	\$ -	\$ 10,489	\$ 1,773	\$ -	\$ (12,262)
City of Burnsville	-	93,924	16,133	-	(110,057)
City of Eagan	-	580	-	-	(580)
City of Lakeville	-	26,007	4,094	-	(30,101)
Total Member Contributions	-	131,000	22,000	-	(153,000)
Other Revenues:					
Interest	\$ 8	\$ 40	\$ -	\$ 27	\$ (13)
Grant (State of MN BWSR)	-	-	-	-	-
Total Other Revenue	8	40	-	27	(13)
Total Revenues	\$ 8	\$ 131,040	\$ 22,000	\$ 27	\$ (153,013)
EXPENDITURES :					
General Engineering Support	\$ 1,912	\$ 31,000	\$ -	\$ 4,196	\$ 26,804
Special Projects - General Fund	2,084	36,800	-	2,174	34,627
Special Projects - Capital Improvement Fund	525	-	10,000	1,680	8,320
Special Projects - General Fund Reserve	1,232	70,000	-	2,418	67,582
Insurance	-	3,000	-	-	3,000
Legal and Audit	-	5,000	-	340	4,660
Administrative Support	-	18,000	-	-	18,000
Public Education	484	18,100	-	484	17,617
Water Quality Monitoring	5,737	17,100	-	6,754	10,346
Conference/Publications	-	500	-	-	500
Contingency	-	5,000	-	-	5,000
Total Expenditures	11,973	204,500	10,000	18,045	196,455
EXCESS OF REVENUES OVER (UNDER) EXPENDITURES	(11,965)	(73,460)	12,000	(18,018)	
EXCESS OF REVENUES OVER (UNDER) EXPENDITURES PLUS OPENING FUND BALANCE				525,721	
TOTAL CASH AVAILABLE 3/31/2021	525,721				
Fund Balance 3/31/2021	\$ 525,721				

Black Dog Watershed Management Organization

2020 ANNUAL ACTIVITY REPORT



**Prepared for
Black Dog Watershed
Management Commission**

April 2021

2020 BOARD MEMBERS

The Black Dog Watershed Management Organization (WMO) was established by a joint powers agreement. The member cities appoint Board Members (and alternates) to serve three-year terms. The 2020 Black Dog WMO Board Members and the city/cities they represent are listed below:

Board Members:	Term Ending
1. Roger Baldwin (Chair) Representing the City of Burnsville (Resigned at end of term)	November 2020
2. Greg Helms (Vice-Chair) Representing the Cities of Apple Valley and Eagan	November 2022
3. Scott Thureen (Secretary/Treasurer) Representing the City of Lakeville	November 2022
4. Tom Harmening Representing the City of Burnsville	November 2022
5. Mike Hughes Representing the City of Burnsville	November 2022

Alternate Board Members:	Term Ending
1. Rollie Greeno Representing the Cities of Apple Valley and Eagan	November 2022
2. Curtis Enestvedt Representing the City of Burnsville	November 2022
3. Natalie Walker Representing the City of Lakeville (Appointed November 2020)	November 2022

CONSULTANTS

In accordance with Minnesota Statutes, Section 103B.227, Subdivision 5, the Black Dog Watershed Management Commission solicited interest proposals for engineering consulting, legal services, and auditor services in January 2020. As the statutes require the solicitation to occur every two years, the Black Dog Watershed Management Commission will solicit proposals again in 2022. The Black Dog Watershed Management Commission Board retains services from the following consultants:

Engineering:	Barr Engineering Co. Karen Chandler 4300 MarketPointe Dr. Minneapolis, MN 55435 Phone: (952) 832-2600
Legal:	Campbell, Knutson Attorneys at Law Joel Jamnik Roger Knutson (retired October 30, 2020) Eagandale Office Center 1380 Corporate Center Drive Eagan, MN 55121 Phone: (651) 452-5000
Auditor:	MMKR: Certified Public Accountants James Eichten 5353 Wayzata Boulevard Suite 410 Minneapolis, MN 55416 Phone: (952) 545-0424

The Black Dog WMO currently does not employ any staff. Administrative support is provided by the City of Burnsville.

Administrator	City of Burnsville Daryl Jacobson 13713 Frontier Ct. Burnsville, MN 55337 Phone: (952) 895-4574
Website:	www.blackdogwmo.org

PERMITS AND VARIANCES

The Black Dog WMO does not have a permit program.

WETLAND BANKING

The Black Dog WMO does not have a wetland banking program.

STATUS OF LOCAL PLAN ADOPTION AND IMPLEMENTATION

The Black Dog WMO adopted the 2012 Watershed Management Plan in October 2012. The member cities are required to update their local water management plans to conform to the 2012 Black Dog WMO Plan, per Minnesota Statute 103B.235. In 2014, the City of Burnsville updated their Water Resources Management Plan; the Black Dog WMO approved the updated plan at their May 21, 2014 meeting. At their November 16, 2016 meeting, the Black Dog WMO approved the City of Apple Valley's 2007 Surface Water Management Plan and associated city ordinances, finding them in conformance with the 2012 Black Dog WMO Plan. In 2017, the City of Burnsville updated their Water Resources Management Plan; the Black Dog WMO approved the updated plan at their September 20, 2017 meeting. At their July 18, 2018 meeting, the Black Dog WMO approved the City of Apple Valley's Surface Water Management Plan. At their December 19, 2018 meeting, the Black Dog WMO approved the City of Eagan's Storm Water Master Plan Update and Water Quality and Wetland Management Plan. At their February 20, 2019 meeting, the Black Dog WMO approved the City of Lakeville's Water and Natural Resources Management Plan.

2020 Black Dog WMO Activities

- Participated in the Metropolitan Council's Citizen-Assisted Lake Monitoring Program (CAMP) at four of the five Black Dog WMO-designated strategic water bodies: Crystal Lake, Keller Lake, Lac Lavon, and Orchard Lake. Due to COVID-19, Kingsley Lake was not monitored in 2020, Performed management level monitoring at Orchard Lake (see below). Completed water quality trend analyses on these lakes using the information gathered through CAMP and the more-detailed monitoring on Orchard Lake.
- Performed management level monitoring of Orchard Lake water quality, per guidance in the Black Dog WMO Plan. The monitoring consisted of collecting samples on 11 occasions—ice out and then May through September, twice per month. On each monitoring occasion, samples were collected at the deepest spot in the lake at seven depths, a surface sample (0-2 meters), plus six samples at 1-meter intervals from 3 meters to 8 meters depth. All of the samples were analyzed for total phosphorus; the surface water samples were also analyzed for chlorophyll-a. Secchi disc readings were also taken. Field probe measurements of water temperatures, dissolved oxygen concentrations, pH levels, specific conductivities, and oxidation/reduction potentials were collected at 1-meter depth intervals at the deepest spot in the lake. Field probe measurements of turbidity were also taken on the surface water sample at the monitoring location. The City of Lakeville performed aquatic plant surveys on two occasions over the monitoring season and shared the results with the Black Dog WMO. The work also included entering data into EQuIS database, and submitting the data to the MPCA. A technical memo summarizing the water quality monitoring results will be completed in 2021 and posted on the Black Dog WMO website.
- Continued implementing the Keller Lake Alum Treatment project. In 2020, this included grant administration, following the 2019 completion of the first phase of a two-phase alum treatment of the lake. In December 2018, BWSR awarded the Black Dog WMO a \$230,000 Clean Water Fund grant for the alum treatment project, and executed an agreement with the Black Dog WMO in early 2019. The project (and grant funding) will continue through 2021.
- Performed habitat monitoring of Keller Lake, per the redesigned habitat monitoring program, which was implemented beginning in 2011 with Kingsley Lake. The redesigned program includes monitoring of a single water body on a cycle of once every five years. Monitoring included a meandering survey of the entire lake (in the submergent, emergent, and upland buffer zones), rather than only at sample plots, as done in the past. The lake was also evaluated for sedimentation and shoreline erosion problems. A memo summarizing the habitat monitoring results will be completed in 2021 and posted on the Black Dog WMO website.
- Partnered with the Dakota County SWCD by providing funding and support to install 9 water quality improvement projects through the Landscaping for Clean Water program for Black Dog WMO residents, consistent with SWCD cost share policies.

- Partnered with the Dakota County SWCD to fund Landscaping for Clean Water workshops. The program moved online in the spring of 2020 in response to the Covid-19 pandemic. All three programs—Introduction to Clean Water Class, Design Course, and Maintenance Workshop — became available to participants beginning in mid-April. Over 600 people participated in the Introduction to Clean Water class, either in-person or online. Three Introduction to Clean Water Class workshops were held in-person before the shutdown; one hosted by the BDWMO. 31 people attended the class hosted by the BDWMO, 26 of whom reside in Burnsville. 6 Burnsville residents attended the other two presentations.
- Continued implementing plan to accrue funds in 1) a Capital Improvement Fund, to be used for the current Keller Lake Alum Treatment project, and future Black Dog WMO internal load reduction projects stemming from TMDLs for lakes with intercommunity shoreline (Crystal Lake, Keller Lake, and Lac Lavon), and 2) in a General Fund Reserve to be used for the Black Dog WMO watershed plan ten-year update.
- Began preliminary work on updating the Watershed Management Plan, including developing a stakeholder engagement plan and project scope, sending out the plan notification letters and summarizing responses, and holding and summarizing interviews with Black Dog WMO partners.
- Conducted an annual evaluation of the watershed programs and reported the results to member communities via the Watershed Annual Report and Annual Activity Report.
- Formulated and approved the 2021 Work Plan and Budget.
- Completed the 2019 Financial Audit—statute changes allow the Black Dog WMO to perform audits every five years, rather than every year. Annual finance statements will be prepared in the intervening years between audits.
- Developed an annual activity report and watershed annual report and distributed them via the Black Dog WMO website and through the member communities (see attached Watershed Annual Report). The annual activity report meets all of the State reporting requirements and is submitted to the Minnesota Board of Water and Soil Resources (BWSR).
- Reviewed and responded to any issues and opportunities brought to the attention of the Black Dog WMO.
- Maintained, updated, and revised the Black Dog WMO website.

****Table 1 shows the Status of Implementation Tasks from the Black Dog WMO *Watershed Management Plan*****

2020 Black Dog WMO Expenditures

	<u>BUDGET</u>	<u>ACTUAL</u>
<u>General Engineering Support:</u>	\$31,000	\$27,591
Consulting services for engineering support, such as to prepare for and attend meetings, review/respond to issues and opportunities, assist with BWSR watershed-based funding grant application and work plan; apply for grants, review/comment on proposed projects, EAWs, revisions to local water management plans, comprehensive plans, and other plans; communications/ meetings with agencies and member cities; track and report on impaired waters and TMDL issues, and other tasks.		
<u>Special Projects – General Fund:</u>	\$36,500	\$32,210
Orchard Lake Management Level Monitoring.	\$23,000	\$14,979
Funding to conduct “management level” monitoring of the lake’s water quality, per guidance in the Black Dog WMO Plan.		
Dakota County SWCD—Landscaping for Clean Water Program Support	\$13,500	\$6,750
Funds to partner with the Dakota County SWCD Landscaping for Clean Water program for Black Dog WMO residents.		
2019 Work Carried into 2020	\$0	\$10,481
Finalization of the 2019 Lac Lavon water quality monitoring report and the 2019 Lac Lavon habitat monitoring report.		
<u>Special Projects – Capital Improvement Fund:</u>		
Keller Lake Alum Treatment Feasibility Study & Implementation Planning	\$0	\$714
Funding to perform grant administration work.		
<u>Special Projects – General Fund Reserve:</u>		
Watershed Management Plan Update	\$10,000	\$10,905
Perform preliminary plan update work in late 2020.		
<u>Insurance:</u>	\$3,000	\$2,301
<u>Legal and Audit:</u>	\$8,400	\$9,320
Consulting fees for legal and annual audit services (full audit in 2020).		
<u>Administrative Services:</u>	\$18,000	\$19,101
City of Burnsville charges for providing administrative services to the Commission, including staff time, printing and postage.		
<u>Public Education:</u>	\$17,900	\$17,292

Cost to produce and distribute the annual activity report and watershed annual report, funding support for the Dakota County SWCD Landscaping for Clean Water workshop support, and costs to maintain the Black Dog WMO website.

<u>Water Quality Monitoring:</u>	\$15,400	\$6,524
Cost associated with water quality monitoring programs, including the habitat monitoring program, Metropolitan Council's CAMP, and analysis of water quality data.		
<u>Conference / Publications:</u>	\$500	\$26
Commissioner training and education materials.		
<u>Contingency:</u>	\$5,000	\$115
Funding for unexpected expenses and/or new program opportunities approved by the Commission		
Expenditure Total:	\$145,700	\$126,099

2020 Black Dog WMO Revenues

	<u>BUDGET</u>	<u>ACTUAL</u>
<u>Interest</u>	\$40	\$2,051
<u>Member City Contributions (Fees)</u>	\$131,000	\$131,000
<u>Member City Contributions—Capital Improvement Fund</u>	\$22,000	\$22,000
<u>Grants</u>	\$0	\$0
<u>Fund Balance Utilized</u>	\$0	\$0
Revenue Total:	\$153,040	\$155,051

2020 Black Dog WMO Planned Changes in Fund Balance

	<u>BUDGET</u>	<u>ACTUAL</u>
<u>Capital Improvement Fund:</u>	\$22,000	\$21,286
This fund serves as a savings account for future internal load reduction projects stemming from TMDLs.		
<u>General Fund Reserve:</u>	(\$14,660)	\$7,666
This fund serves as a savings account for the Black Dog WMO watershed plan ten-year update.		
Planned Changes in Fund Balance Total:	\$7,340	\$28,952

2021 Black Dog WMO Goals & Work Plan

1. Continue work on updating the Black Dog WMO Watershed Management Plan, which expires in September 2022. The planning process usually takes between one and two years to complete; preliminary work began in 2020. The most intense work of the planning process will likely be in 2021 and work will extend through much of 2022. In 2021, work will include stakeholder engagement, issue identification and prioritization, and drafting of the plan document.
2. Participate in Metropolitan Council's Citizen Assisted Water Quality Monitoring Program (CAMP) for the following strategic water bodies:

*Crystal Lake

*Keller Lake

*Kingsley Lake

*Lac Lavon

*Orchard Lake

Complete water quality trend analyses on these lakes using the information gathered through CAMP and the more detailed monitoring on Crystal Lake.

3. Prepare memo regarding Orchard Lake 2020 management level water quality monitoring results and present to the Black Dog WMO.
4. Perform additional (management level) monitoring on Crystal Lake, as recommended in the Black Dog WMO Watershed Management Plan. The monitoring will consist of collecting samples on 11 occasions—ice-out and then May through September, twice per month. On each monitoring occasion, analytical samples will be collected at seven depths at the deepest spot in the lake—a surface sample, plus six samples at one-meter intervals from three to eight meters. All of the samples will be analyzed for total phosphorus. In addition, Secchi disc readings will be taken, and the surface samples will be analyzed for chlorophyll-a. Field measurements of temperature, dissolved oxygen, pH, redox potential, and specific conductivity will be taken at one meter intervals at the monitoring location. Turbidity field measurements will also be taken on the surface water sample at the monitoring location. The work includes field work, lab work, QA/QC of lab data (including coordination with lab), entering data into EQuS database, submitting the data to the MPCA, preparing a technical memo summarizing the monitoring results, and preparing a presentation for a Commission meeting. The City of Burnsville will perform aquatic plant surveys in June and August, and share the results with the Black Dog WMO. In 2022, work will include preparing the technical memo summarizing the monitoring results, and preparing a presentation for a Commission
5. Final implementation of the Keller Lake Alum Treatment project, by completing the second phase of a two-phase alum treatment of the lake. In 2021, this work will include preparation of contract documents, permitting, contract administration, treatment oversight, alum treatment expenses, and grant administration. Keller Lake CAMP monitoring data will be used to understand the project impacts, with the collection of additional field data (temperature and dissolved oxygen) during each monitoring event, if possible. BWSR awarded the Black Dog WMO a \$230,000 Clean Water Fund

Grant in December 2018, and executed an agreement with the Black Dog WMO in early 2019. The grant covers 80% of the project cost (grant requires a 20% local share). The grant funding) will continue through 2021.

6. Prepare report regarding Keller Lake 2020 habitat monitoring results and present to the Black Dog WMO.
7. Perform habitat monitoring of Kingsley Lake. Habitat monitoring is performed at one strategic water body per year, such that all five strategic water bodies will be completed over a five-year cycle. Monitoring will include a meandering survey around the entire lake as well as the previously established sample plots (in the emergent and upland buffer zones) and identification of sedimentation and shoreline erosion problems. Barr staff, on behalf of the Black Dog WMO, will perform a meandering aquatic plant survey in late May by canoe, followed by a later, additional meandering survey by kayak with City of Lakeville staff to evaluate the submergent zone and document the presence of additional species observed later in the growing season. In 2022, work will include preparing the report and a presentation for a Commission meeting.
8. Conduct an annual evaluation of the watershed programs and report the results to member communities via a watershed annual report (this report is incorporated into the annual activity report submitted to the Minnesota Board of Water and Soil Resources).
9. Partner with the Dakota County SWCD by providing funding and support to install up to 18 water quality improvement projects through the Landscaping for Clean Water program for Black Dog WMO residents, consistent with SWCD cost share policies.
10. Partner with the Dakota County SWCD to fund two Landscaping for Clean Water workshops and two design workshops (four evenings) in the Black Dog WMO area. Due to COVID-19, the workshops could be held in-person or virtual.
11. Complete the 2020 Annual Finance Statement—statute changes allow the Black Dog WMO to perform audits every five years, rather than every year. As the last audit was prepared for year 2019; the next audit needs to be prepared in 2025 for year 2024. In the other years, an annual finance statement is prepared.
12. As budget allows, prepare up to two educational pieces and/or presentations for the Commission regarding new technology (e.g., new stormwater best management practices, new lake treatment technologies, etc.) or aquatic invasive species.
13. Apply for grants and/or assist member cities with grant applications.
14. Assist with BWSR watershed-based funding grant application and work plan.
15. Formulate and approve the year 2022 Work Plan and Budget.

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16. Review and respond to any issues and opportunities brought to the attention of the Black Dog WMO.
 17. Maintain and update web site. In 2021, there will also be a website redesign.
 18. Respond to requests to partner with member communities and Dakota County on educational outreach programs.
 19. Keep abreast of changes to the TMDL program, including additions to/removals from the impaired waters list and the listing criteria.
 20. Review revisions to local water management and comprehensive plans as needed. No reviews are expected in 2021, as the last of the member cities' plans were reviewed and approved in 2019.
 21. Continue implementing plan to accrue funds in 1) a Capital Improvement Fund, to be used for the current Keller Lake Alum Treatment project, and future Black Dog WMO internal load reduction projects stemming from TMDLs for lakes with intercommunity shoreline (Crystal Lake, Keller Lake, and Lac Lavon) and 2) in a General Fund Reserve to be used for the Black Dog WMO watershed plan ten-year update.

—See Attached Watershed Annual Report for information on the 2021 Budget—

Table 1: Status of Implementation Tasks from 2012 Black Dog WMO Watershed Management Plan—through December 31, 2020

Implementation Task	Original Implementation Date from Plan	Status/Accomplishments	Next Steps
<i>Administrative and Operational—Watershed-wide</i>			
General WMO administration, including reviewing and responding to issues and opportunities (not otherwise described in this table) as they arise. This may include services provided by: <ul style="list-style-type: none"> Administrator (City of Burnsville) Black Dog WMO consulting engineer Black Dog WMO Attorney 	Ongoing	Black Dog WMO continues to perform these actions as needed/requested. In 2019, this included coordinating with BWSR regarding BWSR's final policy for its watershed-based funding program.	Continue to perform as needed/requested.
Revise joint powers agreement (JPA) to allow cost allocation apportionment specified in Section 4.7.4 – Policy 8 of the 2012 Black Dog WMO Plan (funding of internal load reduction projects)	2013	Revision of the JPA not required to develop and implement plan to accrue funds in a Capital Improvement Fund.	None.
Review Burnsville local watershed management plan	2014	Black Dog WMO approval of plan in 2017.	None.
Review Lakeville local watershed management plan	2014	Black Dog WMO approval of plan in 2019.	None.
Review Apple Valley local watershed management plan	2014	Black Dog WMO approval of plan in 2018.	None.
Review Eagan local watershed management plans	2014	Black Dog WMO approval of plan in 2018.	None.
Miscellaneous reviews including, but not limited to: <ul style="list-style-type: none"> Review city comprehensive plan changes that require review by the Metropolitan Council Review projects for consistency with the Black Dog WMO plan, as requested by member cities or other governmental agencies Review and approve any proposed changes to the intercommunity stormwater system that are inconsistent with an approved local plan Review and approve changes to an approved local plan that would cause the local plan to be inconsistent with the Black Dog WMO plan 	Ongoing	Black Dog WMO continues to perform these reviews as needed/requested.	Continue to perform as needed/requested.

Table 1: Status of Implementation Tasks from 2012 Black Dog WMO Watershed Management Plan—through December 31, 2020

Implementation Task	Original Implementation Date from Plan	Status/Accomplishments	Next Steps
City technical staff (technical advisor) attendance at Black Dog WMO meetings	Ongoing	City technical staff regularly attend Black Dog WMO meetings	City staff continue to attend Black Dog WMO meetings.
Facilitate intercommunity flood control, stormwater runoff, erosion, and sediment control projects	As needed	No facilitation of intercommunity projects currently planned	Provide facilitation, if needed.
Apply for and/or assist member cities with grant applications	Ongoing	The Black Dog WMO continues to pursue these opportunities as they arise. In December 2018, BWSR awarded the Black Dog WMO a \$230,000 Clean Water Fund Grant (grant agreement executed in early 2019) for the Keller Lake Alum Treatment project.	Continue to apply for grants or assist member cities in their grant applications, as appropriate/requested.
Complete and submit annual audit to BWSR	Ongoing	Submitted annually; per revised statute, the Black Dog WMO is required to perform an audit every 5 years, rather than annually. In the other years, the Black Dog WMO will prepare an annual finance statement. In 2020, the BDWMO prepared an audit for year 2019; the next audit will need to be prepared for year 2024.	Prepare next audit in 2025; prepare annual finance statements in intervening years.
Update Black Dog WMO Watershed Management Plan	2020	Black Dog WMO adopted its latest Watershed Management Plan in 2012. In late 2020, the Black Dog WMO began preliminary work on updating the Watershed Management Plan. This included developing a stakeholder engagement plan and project scope, sending out the plan notification letters and summarizing responses, and holding and summarizing interviews with Black Dog WMO partners.	Continue updating the Plan in 2021 and 2022, with approval and adoption expected in 2022.

Table 1: Status of Implementation Tasks from 2012 Black Dog WMO Watershed Management Plan—through December 31, 2020

Implementation Task	Original Implementation Date from Plan	Status/Accomplishments	Next Steps
Development of TMDL Studies and Implementation Plans	Ongoing	Black Dog WMO will perform these tasks as necessary; there are no TMDL studies or implementation plans currently planned by the Black Dog WMO	Black Dog WMO will perform these tasks as necessary; do not anticipate studies in the near future.
Complete and publish watershed annual report (newsletter) and post on website	Ongoing	Published annually.	Complete annually.
Complete and submit annual activity report to BWSR and post on website	Ongoing	Completed, published, and submitted annually	Complete annually.
Create, maintain and update web site—put plan, data, meeting agenda and minutes, watershed annual reports, water quality monitoring reports, educational materials, project updates, etc. on the site	Ongoing	Website is hosted by Dakota SWCD and regularly updated as new material is available.	Continue to maintain and update website. Dakota SWCD will update the website in 2021.
Educational outreach including, but not limited to: exploring social media and email list serves to expand communication with the public, sponsoring workshops in partnership with the Blue Thumb program, the promotion of awareness of groundwater resource issues, and seeking volunteers to participate in water quality and water quantity programs	Ongoing	Provided watershed annual report to member cities and posted to Black Dog WMO website; maintained website (see above); since 2009, Black Dog WMO has partnered with the Dakota SWCD to fund Landscaping for Clean Water (formerly Blue Thumb) Program workshops in the Black Dog WMO area. Black Dog WMO provided funding for 4 workshops in 2020 (2 Landscaping for Clean Water Intro Workshops and 2 Landscaping for Clean Water Design Workshops). However, only 3 Introduction classes were held before the pandemic shutdown; all programs moved online after that.	Continue providing watershed annual report to member cities and partnering with Dakota SWCD to fund workshops.

Table 1: Status of Implementation Tasks from 2012 Black Dog WMO Watershed Management Plan—through December 31, 2020

Implementation Task	Original Implementation Date from Plan	Status/Accomplishments	Next Steps																												
Implementation of small-scale best management practices on private property to improve water quality	Ongoing	<div>Since 2009, Black Dog WMO has partnered with the Dakota County SWCD by providing funding and support to install water quality improvement projects through the Landscaping for Clean Water Program (formerly Blue Thumb and Community Conservation Cost Share Programs) for Black Dog WMO residents. Projects have included rainwater gardens, native gardens, shoreline improvements, and a bioretention site.</div> <table><thead><tr><th>Year</th><th>Number of projects</th></tr></thead><tbody><tr><td>2009</td><td>9</td></tr><tr><td>2010</td><td>7</td></tr><tr><td>2011</td><td>6</td></tr><tr><td>2012</td><td>18</td></tr><tr><td>2013</td><td>13</td></tr><tr><td>2014</td><td>16</td></tr><tr><td>2015</td><td>18</td></tr><tr><td>2016</td><td>16</td></tr><tr><td>2017</td><td>17</td></tr><tr><td>2018</td><td>18</td></tr><tr><td>2019</td><td>19</td></tr><tr><td>2020</td><td>9</td></tr><tr><td>Total</td><td>166</td></tr></tbody></table>	Year	Number of projects	2009	9	2010	7	2011	6	2012	18	2013	13	2014	16	2015	18	2016	16	2017	17	2018	18	2019	19	2020	9	Total	166	Continue partnering with Dakota SWCD to fund water quality improvement projects.
Year	Number of projects																														
2009	9																														
2010	7																														
2011	6																														
2012	18																														
2013	13																														
2014	16																														
2015	18																														
2016	16																														
2017	17																														
2018	18																														
2019	19																														
2020	9																														
Total	166																														
Implement recommended internal phosphorus load reduction projects identified in UAA and/or TMDL for non-strategic waterbodies or strategic waterbodies without inter-community shoreline	As needed	Black Dog WMO will implement these projects when watershed load reduction projects have been implemented and further water quality improvements are needed. See below for Black Dog WMO’s Keller Lake implementation project.	Implement when needed (see Keller Lake actions below).																												

Table 1: Status of Implementation Tasks from 2012 Black Dog WMO Watershed Management Plan—through December 31, 2020

Implementation Task	Original Implementation Date from Plan	Status/Accomplishments	Next Steps										
Annual CAMP water quality monitoring, performing trend analysis, and establishing action levels for the following strategic waterbodies: <div><div>• Crystal Lake</div><div>• Keller Lake</div><div>• Kingsley Lake</div><div>• Lac Lavon</div><div>• Orchard Lake</div></div>	Ongoing	CAMP monitoring completed annually; trend analysis completed annually.	Continue annual CAMP monitoring and trend analyses of monitoring data.										
Management level water quality monitoring performed at 3-year intervals for the following strategic waterbodies: <div><div>• Crystal Lake</div><div>• Lac Lavon</div><div>• Orchard Lake</div></div>	Ongoing	Performed for one lake annually; most recent monitoring includes Crystal Lake in 2018, Lac Lavon in 2019 and Orchard Lake in 2020.	Continue cycle of monitoring: Crystal Lake in 2021, Lac Lavon in , and Orchard Lake in 2022.										
Habitat monitoring at 5-year intervals for the following strategic waterbodies: <div><div>• Crystal Lake</div><div>• Keller Lake</div><div>• Kingsley Lake</div><div>• Lac Lavon</div><div>• Orchard Lake</div></div>	Ongoing	Implementation of the redesigned program began in 2011; habitat monitoring has been performed as shown below: <table><tr><td>Kingsley Lake</td><td>2011, 2016</td></tr><tr><td>Orchard Lake</td><td>2012, 2017</td></tr><tr><td>Crystal Lake</td><td>2013, 2018</td></tr><tr><td>Lac Lavon</td><td>2014, 2019</td></tr><tr><td>Keller Lake</td><td>2015, 2020</td></tr></table>	Kingsley Lake	2011, 2016	Orchard Lake	2012, 2017	Crystal Lake	2013, 2018	Lac Lavon	2014, 2019	Keller Lake	2015, 2020	Continue cycle of monitoring: Kingsley Lake in 2021, Orchard Lake in 2022, Crystal Lake in 2023, Lac Lavon in 2024, and Keller Lake in 2025,
Kingsley Lake	2011, 2016												
Orchard Lake	2012, 2017												
Crystal Lake	2013, 2018												
Lac Lavon	2014, 2019												
Keller Lake	2015, 2020												
Implement lake water quality management actions recommended in Table 4-1 of the 2012 Black Dog WMO Plan, depending on water quality trends and comparison of recent water quality to action level, for the following strategic waterbodies: <div><div>• Kingsley Lake</div><div>• Lac Lavon</div><div>• Orchard Lake</div></div>	As needed	Black Dog WMO will implement these actions as necessary; there are no actions currently planned.	Continue tracking water quality trends and action levels and take actions as/when necessary.										

Table 1: Status of Implementation Tasks from 2012 Black Dog WMO Watershed Management Plan—through December 31, 2020

Implementation Task	Original Implementation Date from Plan	Status/Accomplishments	Next Steps
Capital Projects—Crystal Lake			
Implement recommended watershed projects to reduce runoff-borne phosphorus loads, as identified in the TMDL, that may include: <ul style="list-style-type: none"> • Street sweeping • Native shoreline buffers • Public outreach and education 	Ongoing	Projects to be performed by member cities (Lakeville, Burnsville) with possible grant funding from Black Dog MWO. Burnsville performs street sweeping in the watershed twice a year and performs ongoing outreach and education. Beyond website articles and city newsletter information, city staff meet with the Crystal Lake association twice a year. Black Dog WMO also performs ongoing public education.	Cities perform projects as needed; continue to perform public education.
Implement recommended internal phosphorus load reduction projects identified in the TMDL, that may include: <ul style="list-style-type: none"> • In-lake alum treatment • Aquatic macrophyte management • Internal load reduction in upstream Keller Lake 	As needed	The Black Dog WMO began the Keller Lake Alum Treatment project in 2018 and received a BWSR Clean Water Fund grant for the project in 2019. The alum treatment was divided into two phases to increase the long-term effectiveness. Phase 1 occurred in June 2019 and Phase 2 will occur in fall of 2021. Other potential future projects are listed in Table 5-3 of the 2012 Black Dog WMO Plan; no other projects are currently planned.	Continue implementation of the Keller Lake Alum Treatment project in 2021. Implement other projects when recommended.

Table 1: Status of Implementation Tasks from 2012 Black Dog WMO Watershed Management Plan—through December 31, 2020

Implementation Task	Original Implementation Date from Plan	Status/Accomplishments	Next Steps
Capital Projects—Keller Lake			
<p>Implement recommended watershed projects to reduce runoff-borne phosphorus loads, as identified in the TMDL, that may include:</p> <ul style="list-style-type: none"> • Construction of a water quality treatment pond in Crystal Beach Park • Construction of a water quality treatment pond on southwest side of Keller Lake • Street sweeping • Native shoreline buffers • Public outreach and education 	<p>Ongoing</p> <p>2013 – 2015 (Crystal Beach Park project)</p> <p>2018 (SW Keller Lake project)</p>	<p>Member cities perform projects, with possible grant funding obtained by Black Dog WMO; Black Dog WMO performs ongoing public education.</p> <p>Crystal Beach Park project: the City of Burnsville completed the project in 2017.</p> <p>SW Keller Lake project: the City of Burnsville will construct this if additional total phosphorus load reductions are required in the watershed. However, if the Crystal Beach Park project meets the city's TMDL load reduction goals for Keller Lake, the city will not construct the SW Keller Lake project.</p> <p>In 2017, the City of Apple Valley conducted a subwatershed assessment for the portions of the city that drain to Keller Lake to target potential projects. The city constructed one of the projects (Redwood Pond) in 2020.</p>	<p>Burnsville will construct SW Keller Lake project if additional load reductions required.</p> <p>Apple Valley will complete construction of the Redwood Pond project in 2021 and implement other projects from the subwatershed assessment as budget and opportunity allows.</p>

Table 1: Status of Implementation Tasks from 2012 Black Dog WMO Watershed Management Plan—through December 31, 2020

Implementation Task	Original Implementation Date from Plan	Status/Accomplishments	Next Steps
Implement recommended internal phosphorus load reduction projects identified in the TMDL, that may include: <ul style="list-style-type: none"> • In-lake alum treatment • Aquatic macrophyte management 	As needed	The Black Dog WMO began the Keller Lake Alum Treatment project in 2018 and received a BWSR Clean Water Fund grant for the project in 2019. The alum treatment was divided into two phases to increase the long-term effectiveness. Phase 1 occurred in June 2019 and Phase 2 will occur in fall of 2021. Other potential future projects are listed in Table 5-3 of the 2012 Black Dog WMO Plan; no other projects are currently planned.	Perform second Keller Lake alum treatment in fall of 2021.
Capital Projects—Orchard Lake, Kingsley Lake, and Lac Lavon			
Implement water quality improvement measures in Orchard Lake, Kingsley Lake, and Lac Lavon as identified in future diagnostic feasibility studies, that may include: <ul style="list-style-type: none"> • Watershed projects (e.g., stormwater treatment ponds, rainwater gardens, infiltration basins) • Internal load reduction projects (e.g., in-lake alum treatment, aquatic macrophyte management) 	As needed	Black Dog WMO will implement projects as necessary; no projects are currently planned.	Implement projects as necessary; no projects planned.

2020 Watershed Annual Report

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2020 Water Quality Data

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The Black Dog WMO funds the water quality monitoring of its water bodies designated as “strategic” by the Black Dog WMO. In 2020, the strategic water bodies included:

1. Crystal Lake
2. Keller Lake
3. Kingsley Lake – due to COVID-19, Kingsley Lake was not monitored in 2020 (data shown in the following figures and tables are repeated from 2019)
4. Lac Lavon
5. Orchard Lake

Some of the water quality data for the strategic water bodies is presented on the following pages. First are a series of figures that summarize the historical summer average (June 1 through September 30) total phosphorus, chlorophyll *a*, and Secchi disc transparency data. The figures also display the trend lines for the past 10 years’ water quality data, if a trend was observed. The linear best-fits were determined using a “least squares” regression analysis of the summer averages of the past 10 years (2011—2020) of data. Trend analyses were not performed for Keller Lake because of the alum treatment that was conducted in spring 2019. The 2020 CAMP data provided by the Metropolitan Council were preliminary data at the time this report was prepared.

Second are a series of tables that show the results of the water quality monitoring for each data collection date in 2020.

Water quality monitoring data is also available for other “non-strategic” water bodies in the Black Dog WMO. In 2019, the member cities funded participation in the CAMP program for the following non-strategic water bodies

- Earley Lake (City of Burnsville)
- Twin Lake (City of Burnsville)
- Sunset Pond (City of Burnsville)
- Wood Pond (City of Burnsville)
- Lee Lake (City of Lakeville)

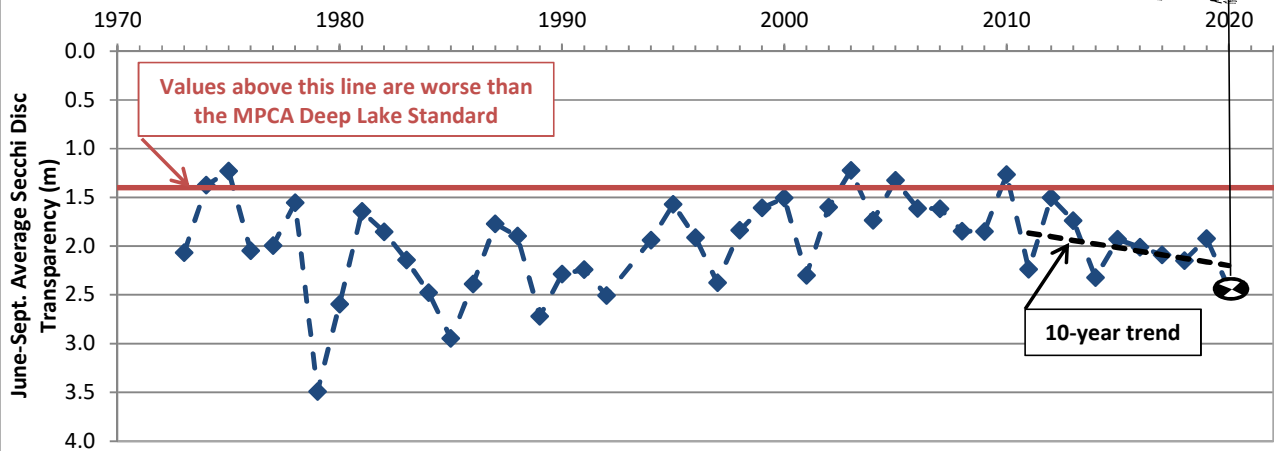
Results of the 2020 water quality monitoring of these water bodies is available from the Metropolitan Council’s CAMP program.

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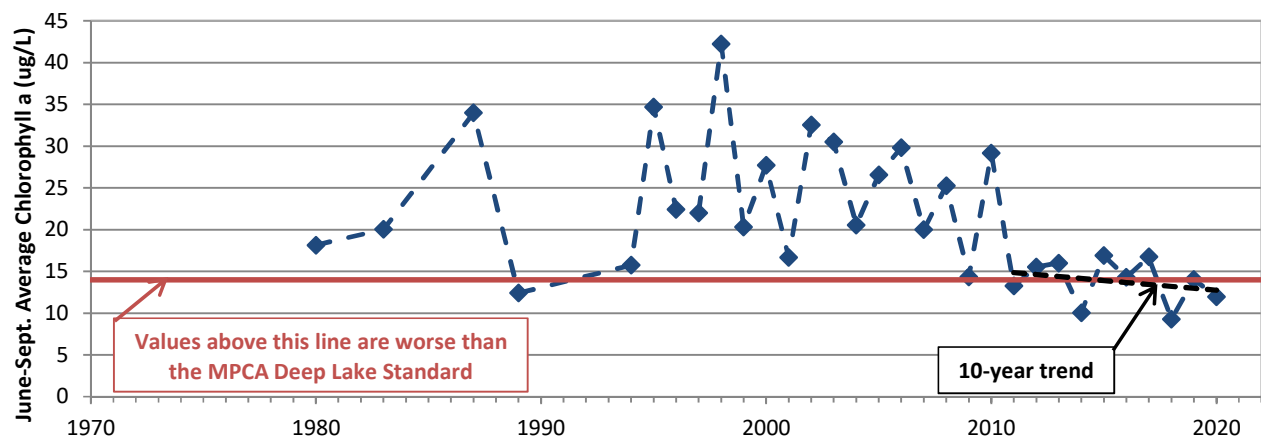
Historical Water Quality Data—Figures

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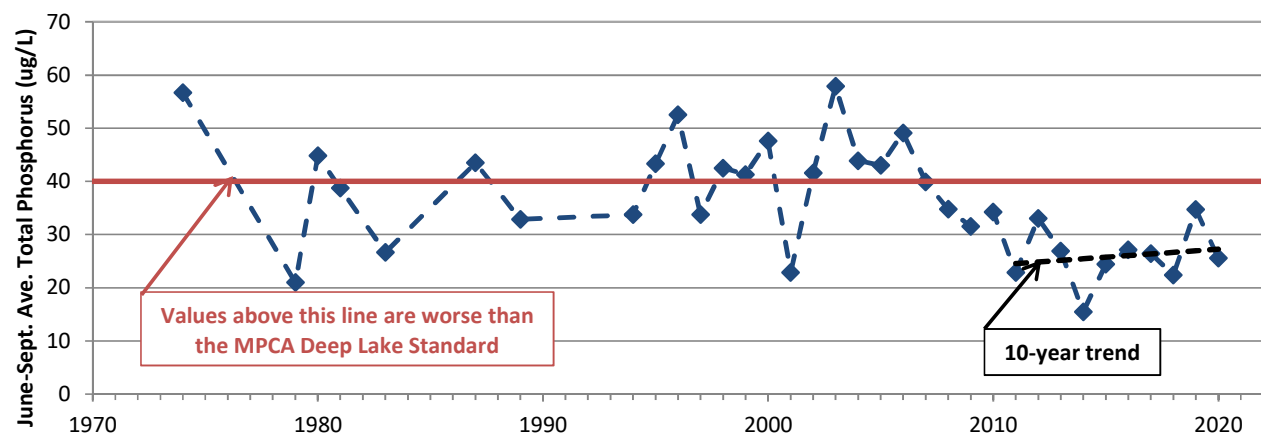
Crystal Lake June-Sept. Secchi Disc Transparency

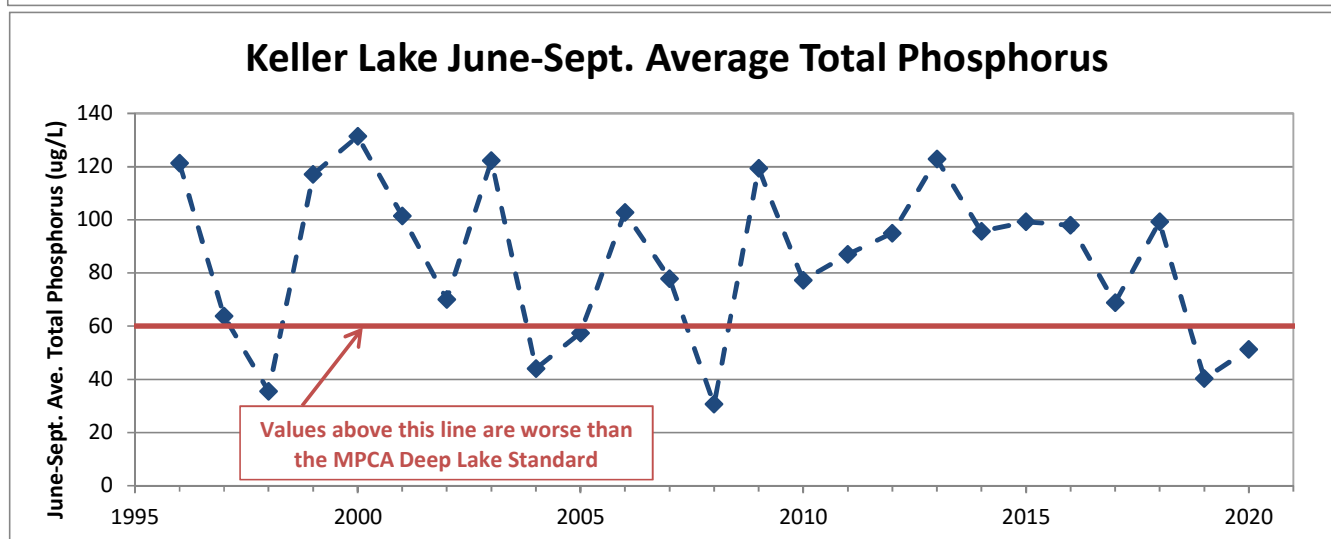
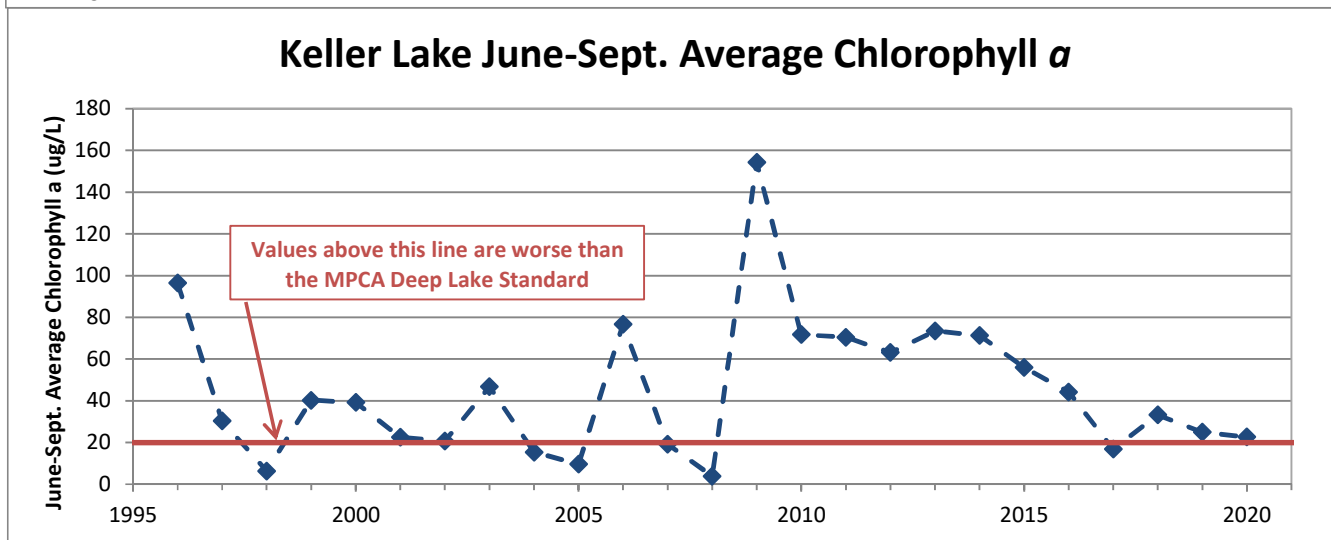
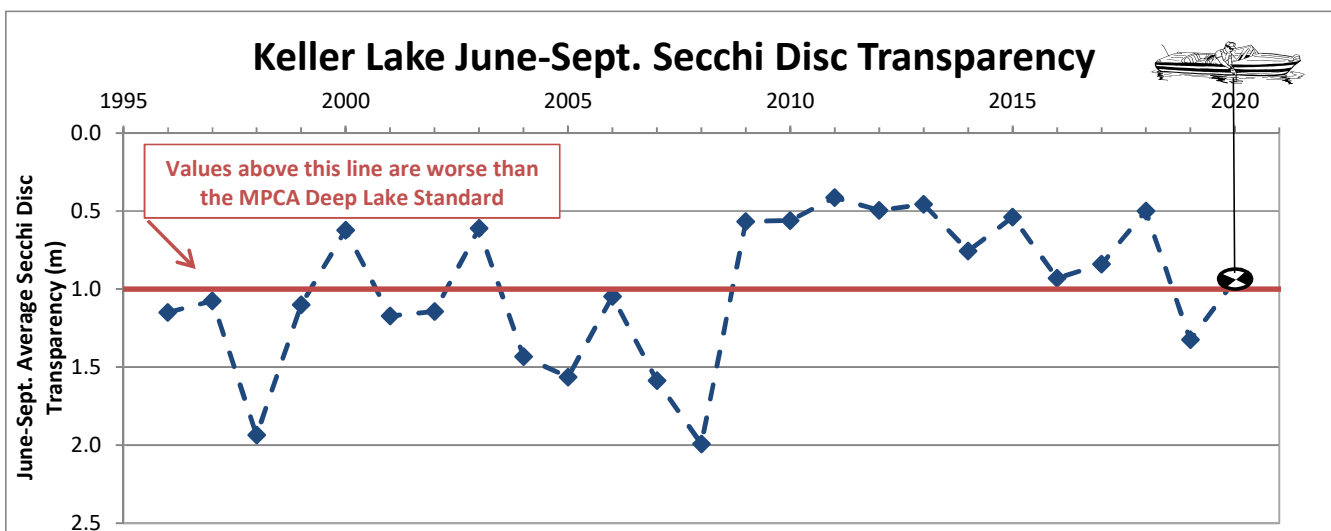


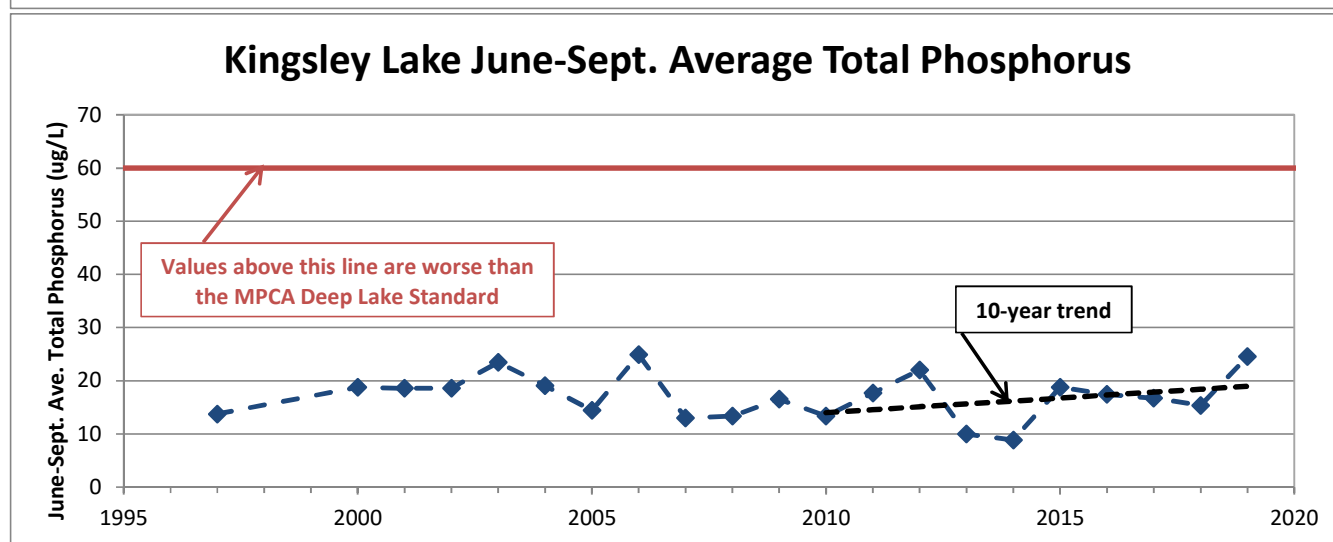
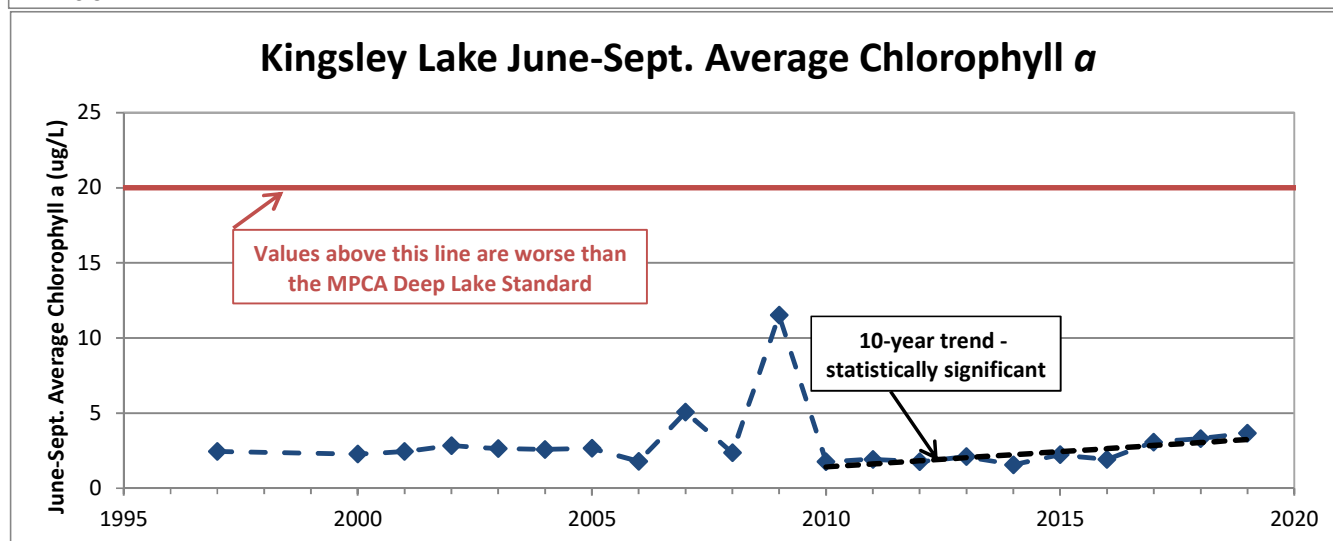
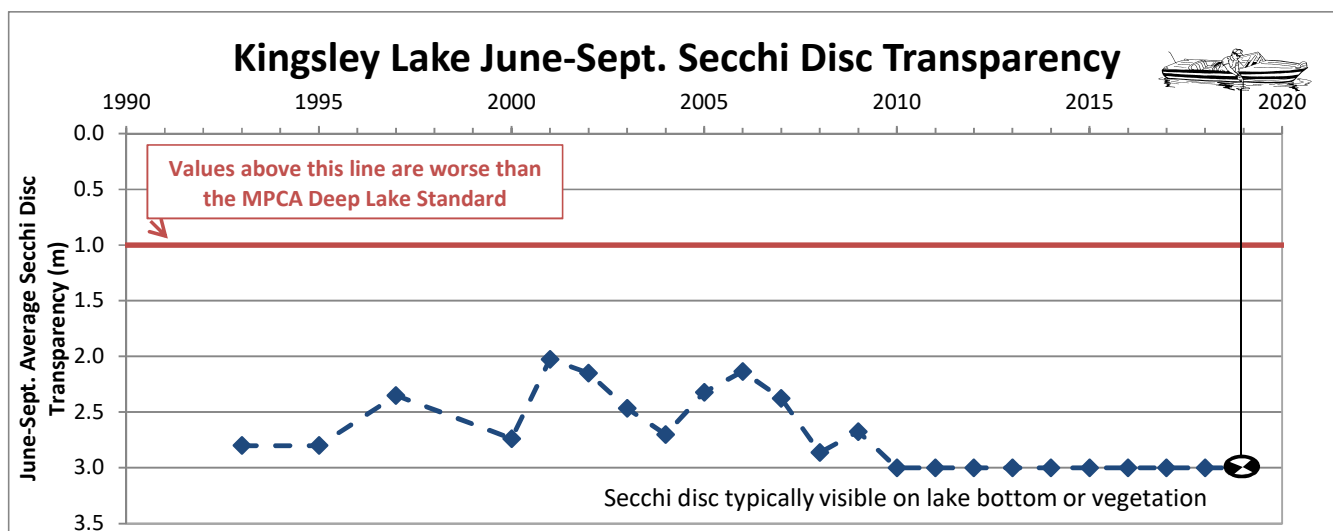
Crystal Lake June-Sept. Average Chlorophyll *a*

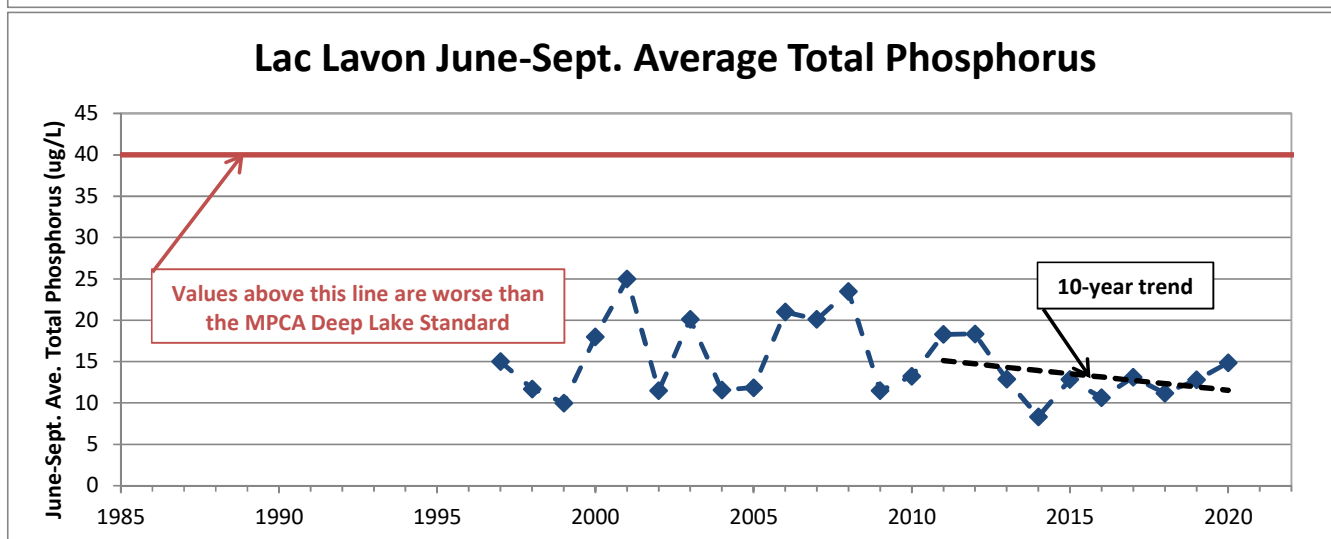
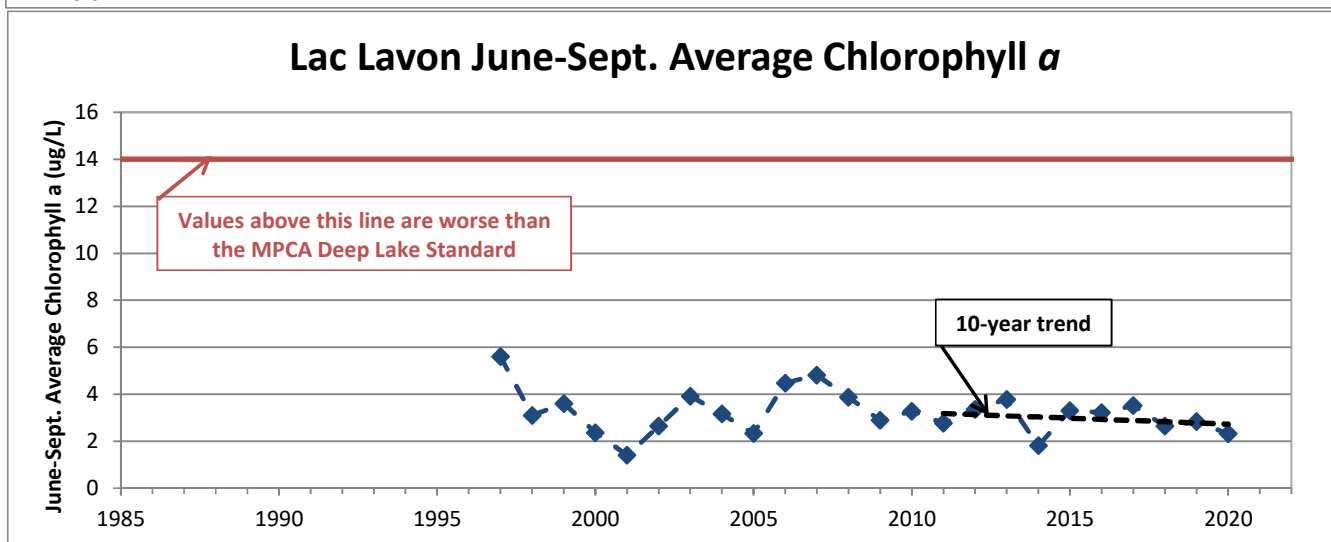
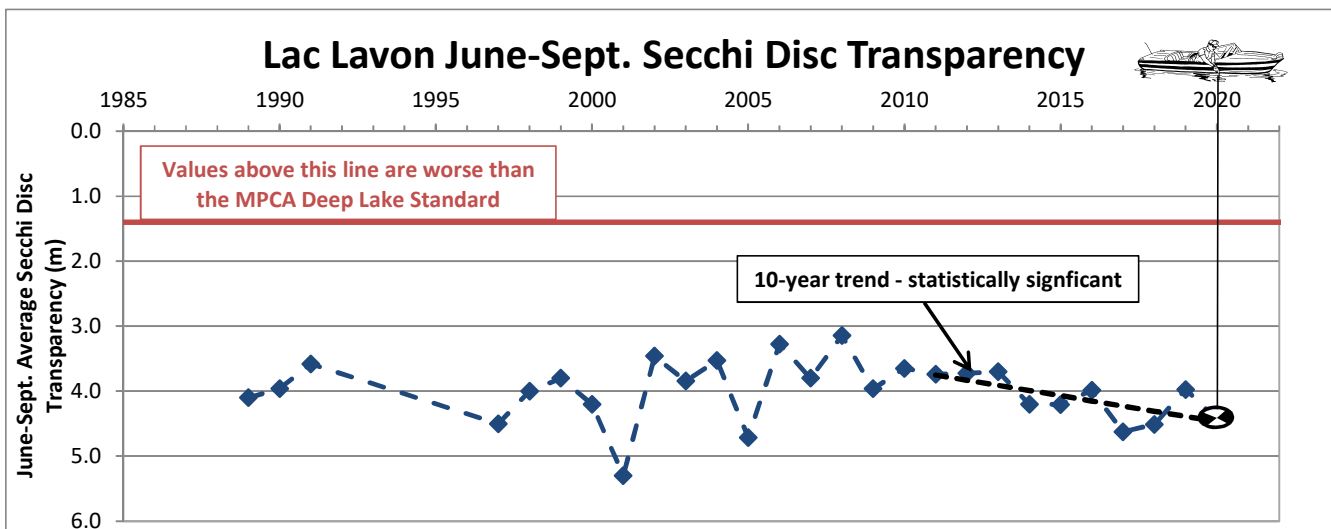


Crystal Lake June-Sept. Average Total Phosphorus

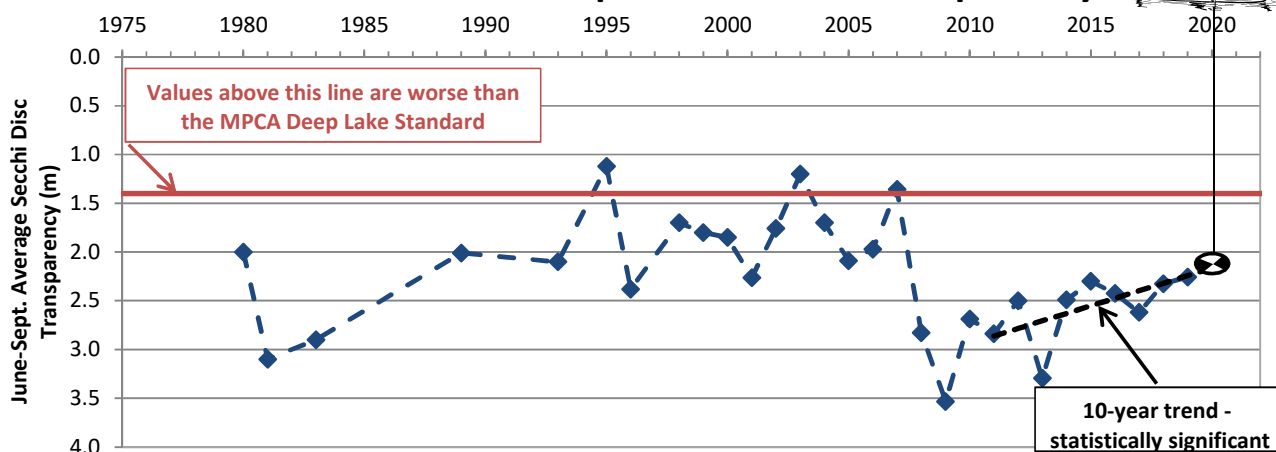




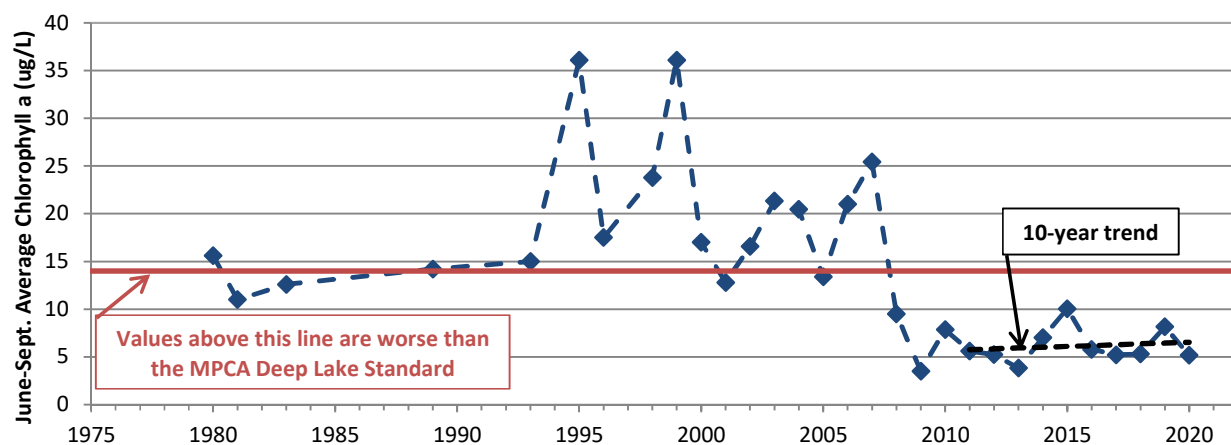




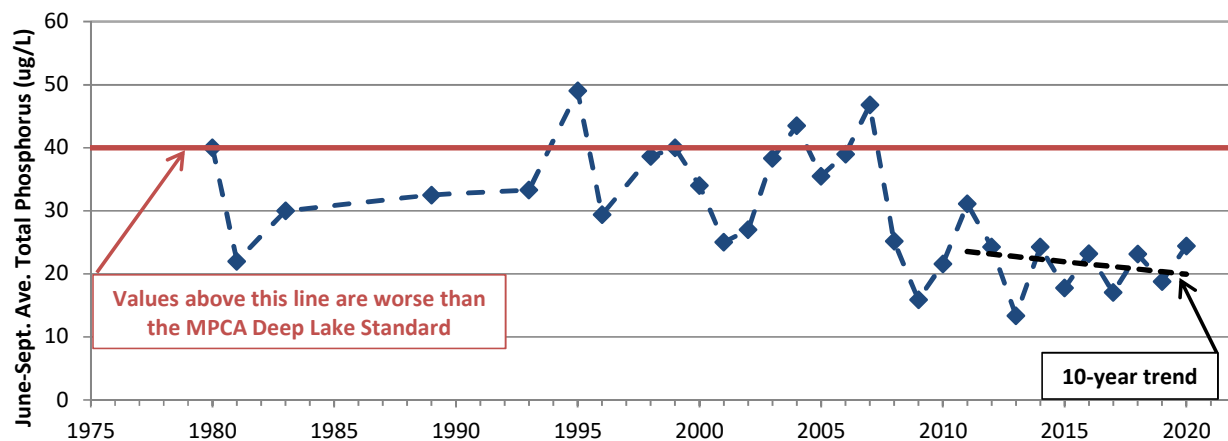
Orchard Lake June-Sept. Secchi Disc Transparency



Orchard Lake June-Sept. Average Chlorophyll *a*



Orchard Lake June-Sept. Average Total Phosphorus



2020 Water Quality Data—Tables

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2020 Annual Finance Statement

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