

3235 Fernbrook Lane N • Plymouth, MN 55447
 Tel: 763.553.1144 • Fax: 763.553.9326
 Email: judie@jass.biz • Website: www.shinglecreek.org

A combined regular meeting of the Shingle Creek and West Mississippi Watershed Management Commissions will be convened on Thursday, July 11, 2019, at 12:45 p.m. at Edinbrough USA, 8700 Edinbrook Crossing, Brooklyn Park, MN. Agenda items are available at <http://www.shinglecreek.org/minutes--meeting-packets.html>.

1. Call to Order.
 - SCWM a. Roll Call.
 - ✓ SCWM b. Approve Agenda.*
 - ✓ SCWM c. Approve Minutes of Last Meeting.*
2. Reports.
 - ✓ SC a. Treasurer's Report.**
 - ✓ SC b. Approve Claims** - voice vote.
 - ✓ WM c. Treasurer's Report.**
 - ✓ WM d. Approve Claims** - voice vote.
3. Open Forum.
4. Project Reviews.
 - ✓ SC a. SC2019-009 Lake Road Apartments, Robbinsdale.*
 - ✓ WM b. WM2019-005 Data Recognition Center Addition, Brooklyn Park.*
 - ✓ WM c. WM2019-006 Pemberly, Brooklyn Park.*
5. Watershed Management Plan.
 - ✓ SCWM a. Proposed Minor Plan Amendment.*
6. Water Quality.
 - SCWM a. Next TAC meeting –8:30 a.m., Thursday, July 25, 2019, Crystal City Hall.
 - 1) June 21, 2019 TAC Meeting Minutes* - information only.
7. Education and Public Outreach.
 - SCWM a. Education and Outreach – update.**
 - SCWM b. Next WMWA meeting – tentatively 8:30 a.m., Tuesday, August 13, 2019, Plymouth City Hall.
8. Grant Opportunities and Updates.
 - SCWM a. BWSR Clean Water Fund Competitive Grants.*
 - ✓ SC 1) Meadow Lake Grant Application.*
 - SC b. Bass and Pomerleau Lakes Alum Application – verbal update.
 - 1) "As algae blooms spread, ..." MPR News.*
 - SC c. SRP Reduction Project.
9. Communications.
 - SCWM a. Communications Log.*
10. Other Business.
11. Adjournment.


Z:\Shingle Creek\Meetings\Meetings 2019\07 Agenda Regular meeting.docx

* In meeting packet ** Emailed or available at meeting ***Previously transmitted **** Available on website ✓ Item requires action

Shingle Creek Watershed Management Commission - 2019 Treasurer's Report

		2019 Budget	June	July	%age YTD	2019 YTD
REVENUE	%age					
Application Fees		22,000	3,900.00		73.64	16,200.00
Assessments		356,900			100.00	356,900.00
Interest and Dividends		3,000	1,908.20		444.96	13,348.80
Education Reimbursement		33,000			51.52	17,000.00
Rain Garden Workshops		6,000	2,500.00		41.67	2,500.00
<i>Transfer to (from) Grants (see following pages)</i>			-	-		22,165.64
<i>Transfer to (from) CIPs</i>						-
<i>Transfer to (from) Closed Projects Account</i>						-
TOTAL REVENUE		420,900	8,308.20	-		428,114.44
EXPENSES						
ADMINISTRATION						
Administrative Services		71,000	6,466.94	6,117.40	43.93	31,193.60
Engineering Support		17,000	1,334.19	1,394.67	38.40	6,528.31
Project Reviews/WCA-Incl Blue Line Ext.		1,700	165.44	104.55	63.50	1,079.44
Hydraulic/hydrologic Modeling Updates						-
ENGINEERING						
Administration		62,000	8,329.22	15,399.10	82.03	50,861.12
Grant Application Writing		10,000			99.51	9,950.76
Project Reviews/WCA		37,000	3,215.40	3,785.10	86.38	31,959.84
TMDL 5 Year Reviews/CIP Engineering		12,000	5,012.50		100.06	12,007.60
LEGAL - Legal Services		6,000	1,547.70	367.60	43.84	2,630.40
MISCELLANEOUS						
Bookkeeping		7,000	2,124.00	402.48	68.18	4,772.48
Audit		6,000			-	-
Insurance & Bonding		3,100	2,618.00		84.45	2,618.00
Meeting Expense		4,700	325.42		43.58	2,048.08
PROGRAMS						
Citizen Assisted Lake Monitoring (CAMP)		3,800			9.60	364.90
Stream Monitoring		37,100	4,543.12	3,952.70	39.76	14,750.96
Monitoring Equipment		3,000				-
Volunteer Wetland Monitoring (WHEP)		2,000			-	-
Volunteer Stream Monitoring (River Watch)		2,000			-	-
Intensive Lake TMDL Monitoring		22,500	2,026.41	3,366.96	27.79	6,252.77
Annual Monitoring Report		14,000			99.99	13,999.20
Water Quality Education						
Education Program		15,000	3,251.90	1,818.90	74.06	11,108.96
WMWA Ed/Watershed Prep		18,000	1,628.48		26.85	4,833.71
WMWA General Programs		20,000	1,595.76	842.11	24.75	4,949.71
WMWA Special Projects		6,500	378.00	378.00	39.05	2,538.39
Rain Garden Workshops		8,000		4,500.00	112.50	9,000.00
Education Grants		500			-	-
Subwatershed BMP Assessment		0				-
Third Gen Plan/Amendments		1,000	9.07		67.58	675.79
Flood Modeling and Mapping		25,000	2,244.60	8,472.50	120.07	30,017.20
Contribution to 4th Generation Plan		5,000			-	-
<i>Transfer to (from) Grants (see following pages)</i>			37,668.97	21,877.11		116,839.64
<i>Transfer to (from) CIPs</i>			17,500.00			185,601.45
<i>Transfer to (from) Closed Projects Account</i>						-
TOTAL OPERATING EXPENSE		420,900	101,985.12	72,779.18		556,582.31
CASH SUMMARY						
4M Fund Balance at 12/31/18						1,162,466.36
Plus Revenue Received 2018 to date						450,507.21
Minus Claims Approved to Date						(566,016.72)
Minus Claims Presented Current Month						(72,779.18)
Fund Balance			1,046,956.85			974,177.67

Shingle Creek Watershed Management Commission - 2019 Treasurer's Report

Claims Presented July 11, 2019	General Ledger Acct No	June	July	Total
Kennedy & Graven				367.60
Legal - General	52001		367.60	
Lawn Chair Gardener - WMWA Media	57010		378.00	378.00
Metro Blooms - Rain Garden Workshops	57002		4,500.00	4,500.00
Mary Amsden - WMWA Ed Services	57011			-
Mary Amsden - WMWA Ed Reimbursement	57012			
Sharon Meister - WMWA Ed Services	57011			-
Sharon Meister - WMWA Ed Reimbursement	57012			
Wenck Associates				58,791.47
General Engineering	51001		15,399.10	
Grant Applica/Research	51005			
Project Reviews	51002		3,785.10	
Flood Modeling and Mapping	51015		8,472.50	
Plan Amendment	51007			
CAMP	56002			
Stream Monitoring	56004		3,952.70	
Intensive Lake TMDL Monitoring	56010		3,366.96	
TMDL 5-Year Reviews	56011			
Education	57008		1,712.40	
Education - WMWA	57009		225.60	
Annual Water Quality Report	58002			
Twin Lake Carp Management Grant	70723		1,234.00	
BioChar Project Grant	70725		5,864.40	
Minneapolis SWA Grant	70726		1,078.80	
Bass/Pomerleau Alum Trmt Grant	70727		1,968.90	
SRP Reduction Grant	70729		11,731.01	
Judie Anderson's Secretarial Service				616.51
WMWA General Expense	57009		616.51	
WMWA Educators/WS Prep	57011		-	
Judie Anderson's Secretarial Service				8,125.60
Administration	53001		6,117.40	
Project and WCA Review Support	53002		104.55	
Bookkeeping	54002		402.48	
Audit Prep	54002			
Hydraulic/Hydrologic Modeling Updates	53005			
Education Programs	57008		106.50	
Engineering Support	53004		1,394.67	
Engineering Support - CIP General	53004			
Engineering Support - Plan Amendment	53007			
Total Claims				72,779.18
				
Judie A Anderson, Deputy Treasurer				

Shingle Creek Watershed Management Commission - 2019 Treasurer's Report

	Total Grant	June	July	%age YTD	YTD
GRANTS					
Twin Lake Carp Management Grant	100,000				
Revenue					1,965.23
Expense		6,180.80	1,234.00		31,026.99
Balance		(6,180.80)	(1,234.00)		(29,061.76)
BioChar Project Grant	154,300				
Revenue					4,001.49
Expense		6,145.58	5,864.40		20,228.38
Balance		(6,145.58)	(5,864.40)		(16,226.89)
Becker Park Grant	725,000				
Revenue					-
Expense					-
Balance		-	-		-
Minneapolis Subwatershed Assmt Grant	38,000				
Revenue					15,200.00
Expense		2,511.00	1,078.80		20,077.80
Balance		(2,511.00)	(1,078.80)		(4,877.80)
Bass/Pomerleau Lakes Internal Load Reduction	267,040				
Revenue					-
Expense		15,049.62	1,968.90		19,898.82
Balance		(15,049.62)	(1,968.90)		(19,898.82)
BWSR Watershed Based Funding	103,571				
Revenue					-
Expense					-
Balance		-	-		-
SRP Reduction Project	72,170				
Revenue					998.92
Expense		7,781.97	11,731.01		25,607.65
Balance		(7,781.97)	(11,731.01)		(24,608.73)
TOTAL GRANTS					
Revenue					22,165.64
Expense		37,668.97	21,877.11		116,839.64
Balance		(37,668.97)	(21,877.11)		(94,674.00)

Kennedy & Graven, Chartered

200 South Sixth Street, Suite 470
Minneapolis, MN 55402

(612) 337-9300

41-1225694

June 20, 2019

Statement No. 149042

Shingle Creek Watershed Management Commission

Judie Anderson

JASS - Watershed Administrators

3235 Fernbrook Lane

Plymouth, MN 55447


Through May 31, 2019

SH220-00001 General

367.60

Total Current Billing: 367.60

I declare, under penalty of law, that this account, claim or demand is just and correct and that no part of it has been paid.



Signature of Claimant

Kennedy & Graven, Chartered

200 South Sixth Street, Suite 470
Minneapolis, MN 55402

Shingle Creek Watershed
Judie Anderson

May 31, 2019

SH220-00001 General

Through May 31, 2019

For All Legal Services As Follows:

			Hours	Amount
5/9/2019	TJG	Prepare for, travel to, and attend meeting	1.80	361.80
			Total Services:	\$ 361.80

For All Disbursements As Follows:

4/11/2019		Troy Gilchrist; Mileage expense		5.80
			Total Disbursements:	\$ 5.80

Total Services and Disbursements: \$ 367.60

Lawn Chair Gardener
5901 Birchwood St.
Shoreview, MN 55126
(651) 485-5171
dawn@lawnchairgardener.com
www.lawnchairgardener.com



Invoice

BILL TO
WMWA
3235 Fernbrook Lane N.
Plymouth, MN 55447

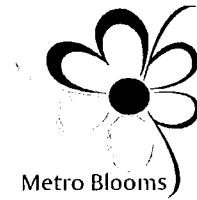
INVOICE # 1171
DATE 07/01/2019
DUE DATE 07/31/2019
TERMS Net 30

ACTIVITY	QTY	RATE	AMOUNT
Social Media June 2019: 2 hours/week x 4 weeks	8	42.00	336.00
Social Media Monthly FB and Twitter Reports	1	42.00	42.00

BALANCE DUE **\$378.00**

Metro Blooms

PO Box 17099
Minneapolis, MN 55417
651-699-2426
www.metroblooms.org



Invoice

INVOICE # 986
DATE 6/13/2019
DUE DATE 7/13/2019
TERMS Net 30

BILL TO

West Metro Water Alliance
ATTN: Amy Juntunen

PO NO:

Balance due on three Creating Resilient Yard Workshops in Champlin, Crystal and Plymouth		4,500.00
MN Sales Tax		0.00

Please remit by check or credit card to:

Metro Blooms
PO Box 17099
Minneapolis, MN 55417

Questions or payments? (651) 699-2426

Total	\$4,500.00
Payments/Credits	\$0.00
Total Due	\$4,500.00

Invoice

July 8, 2019

Invoice No: 11904378



Ms. Judie Anderson
 Shingle Creek Watershed Management Comm.
 3235 Fernbrook Lane
 Plymouth, MN 55447

Responsive partner.
 Exceptional outcomes.

Project Manager Edward Matthiesen

Project B1240-0204 2019 General Engineering

Professional Services Through June 30, 2019

Phase 01 2019 General Engineering

2019 General Engineering

Professional Personnel

	Hours	Rate	Amount	
Harley, Mehdi	5.70	63.00	359.10	
Kaczmarek, Hagen	.30	120.00	36.00	
Langer, Thomas	2.10	130.00	273.00	
Matthiesen, Edward	23.80	198.00	4,712.40	
Spector, Diane	18.50	188.00	3,478.00	
Strom, Jeffrey	3.50	145.00	507.50	
Weigel, Eileen	.30	145.00	43.50	
Totals	54.20		9,409.50	
Total Labor				9,409.50

Reimbursable Expenses

Mileage - Reimbursable	14.50		
Total Reimbursables		14.50	14.50

Unit Billing

00-WAI Vehicle Golden Valley			44.66
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Phase Total \$9,468.66

Phase 02 Shingle Creek Stabilization - Regent Ave

Shingle Creek Stabilization - Regent Ave to Brooklyn Blvd

Task 001 Field Work/Surveying

Professional Personnel

	Hours	Rate	Amount	
Dix, Alec	16.00	63.00	1,008.00	
Harley, Mehdi	3.80	63.00	239.40	
Kaczmarek, Hagen	8.40	120.00	1,008.00	
Landecker, Luke	28.00	97.00	2,716.00	
Totals	56.20		4,971.40	
Total Labor				4,971.40

Reimbursable Expenses

Mileage - Reimbursable	51.04		
Total Reimbursables		51.04	51.04

Unit Billing

01-Survey Supplies/Equipment

440.00

Task Total \$5,462.44

Task 003 Meeting and PM

Professional Personnel

	Hours	Rate	Amount
Kaczmarek, Hagen	3.90	120.00	468.00
Totals	3.90		468.00
Total Labor			468.00

Task Total \$468.00

Phase Total \$5,930.44

Total Invoice Amount \$15,399.10

	Current	Prior	Total
Billing Summary	15,399.10	35,462.02	50,861.12

Invoice

July 8, 2019

Invoice No: 11904383



Ms. Judie Anderson
 Shingle Creek Watershed Management Comm.
 3235 Fernbrook Lane
 Plymouth, MN 55447

Responsive partner.
 Exceptional outcomes.

Project Manager Edward Matthiesen

Project B1240-0209 2019 Project Reviews

Professional Services Through June 30, 2019

Phase 01 2019 General Project Reviews

2019 General Project Reviews

Professional Personnel

	Hours	Rate	Amount	
Harley, Mehdi	3.60	63.00	226.80	
Matthiesen, Edward	1.50	198.00	297.00	
Nalven, Sarah	1.30	108.00	140.40	
Spector, Diane	1.30	188.00	244.40	
Totals	7.70		908.60	
Total Labor				908.60

Unit Billing

00-WAI Vehicle Golden Valley
 01-Boat and Motor
 01-YSI - 6820 (Temp, DO, Cond, pH)

205.80

Phase Total \$1,114.40

Phase 02 WCA Administration

WCA Administration

Professional Personnel

	Hours	Rate	Amount	
Dietrich, Meaghan	.50	120.00	60.00	
Totals	.50		60.00	
Total Labor				60.00
				Phase Total \$60.00

Phase 03 Webber 44

Webber 44

Professional Personnel

	Hours	Rate	Amount	
Kallio, Brian	.70	168.00	117.60	
Nalven, Sarah	2.20	108.00	237.60	
Totals	2.90		355.20	
Total Labor				355.20
				Phase Total \$355.20

Phase 19002 Rockford Road and I-494 Interchange

INVOICES ARE DUE UPON PRESENTATION. Subject to 1-1/2% 18% Annum interest/finance charge. Please reference the invoice number when sending payment. Federal Tax ID #41-1520095 -Wenck Associates, Inc.-1800 Pioneer Creek Center PO Box 249- Maple Plain, MN 55359-0249 Toll Free:800-472-2232 Main:763-479-4200 E-mail:accounting@wenck.com Web www.wenck.com

Rockford Road and I-494 Interchange

Professional Personnel

	Hours	Rate	Amount	
Nalven, Sarah	.40	108.00	43.20	
Totals	.40		43.20	
Total Labor				43.20
Phase Total				\$43.20

Phase 19004 CSAH 81
CSAH 81

Professional Personnel

	Hours	Rate	Amount	
Matthiesen, Edward	.50	198.00	99.00	
Nalven, Sarah	.20	108.00	21.60	
Totals	.70		120.60	
Total Labor				120.60
Phase Total				\$120.60

Phase 19009 Lake Road Apartments
Lake Road Apartments

Professional Personnel

	Hours	Rate	Amount	
Harley, Mehdi	8.70	63.00	548.10	
Matthiesen, Edward	.80	198.00	158.40	
Nalven, Sarah	4.10	108.00	442.80	
Spector, Diane	.80	188.00	150.40	
Totals	14.40		1,299.70	
Total Labor				1,299.70
Phase Total				\$1,299.70

Phase 19010 IBEW Local Union 292 Corp. Office
IBEW Local Union 292 Corp. Office

Professional Personnel

	Hours	Rate	Amount	
Matthiesen, Edward	.50	198.00	99.00	
Nalven, Sarah	4.20	108.00	453.60	
Stone, Alicia	3.80	63.00	239.40	
Totals	8.50		792.00	
Total Labor				792.00
Phase Total				\$792.00

Total Invoice Amount \$3,785.10

Billing Summary	Current	Prior	Total
	3,785.10	28,174.74	31,959.84

Invoice

July 8, 2019

Invoice No: 11904400



Ms. Judie Anderson
 Shingle Creek Watershed Management Comm.
 3235 Fernbrook Lane
 Plymouth, MN 55447

Responsive partner.
 Exceptional outcomes.

Project Manager Eileen Weigel

Project B1240-0201 Shingle Creek HUC 8 Model Update

Professional Services Through June 30, 2019

Phase 01 Meetings

Meetings

Professional Personnel

	Hours	Rate	Amount
Weigel, Eileen	.80	145.00	116.00
Totals	.80		116.00
Total Labor			116.00
Phase Total			\$116.00

Phase 02 Data Organization

Data Organization

Professional Personnel

	Hours	Rate	Amount
Weigel, Eileen	33.70	145.00	4,886.50
Totals	33.70		4,886.50
Total Labor			4,886.50
Phase Total			\$4,886.50

Phase 03 Hydrologic Analysis

Hydrologic Analysis

Professional Personnel

	Hours	Rate	Amount
Weigel, Eileen	12.20	145.00	1,769.00
Totals	12.20		1,769.00
Total Labor			1,769.00
Phase Total			\$1,769.00

Phase 04 Hydraulic Analysis - Detailed Areas

Hydraulic Analysis - Detailed Areas

Professional Personnel

	Hours	Rate	Amount
Harley, Mehdi	6.60	63.00	415.80
Totals	6.60		415.80
Total Labor			415.80
Phase Total			\$415.80

INVOICES ARE DUE UPON PRESENTATION. Subject to 1-1/2% 18% Annum interest/finance charge. Please reference the invoice number when sending payment. Federal Tax ID #41-1520095 -Wenck Associates, Inc.-1800 Pioneer Creek Center PO Box 249- Maple Plain, MN 55359-0249 Toll Free:800-472-2232 Main:763-479-4200 E-mail:accounting@wenck.com Web www.wenck.com

Project	B1240-0201	Shingle Creek HUC 8 Model Update	Invoice	11904400
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Phase 06 GIS Work and Mapping

GIS Work and Mapping
Professional Personnel

	Hours	Rate	Amount	
Stone, Alicia	20.40	63.00	1,285.20	
Totals	20.40		1,285.20	
Total Labor				1,285.20
		Phase Total		\$1,285.20
		Total Invoice Amount		\$8,472.50

Billing Summary	Current	Prior	Total
	8,472.50	22,482.50	30,955.00

Invoice

July 8, 2019
 Invoice No: 11904389



Ms. Judie Anderson
 Shingle Creek Watershed Management Comm.
 3235 Fernbrook Lane
 Plymouth, MN 55447

Responsive partner.
 Exceptional outcomes.

Project Manager Sarah Nalven

Project B1240-0210 2019 Stream Monitoring

Professional Services Through June 30, 2019

Professional Personnel

	Hours	Rate	Amount	
Berner, Bradley	2.00	86.00	172.00	
Harley, Mehdi	2.30	63.00	144.90	
Langer, Thomas	.50	130.00	65.00	
Nalven, Sarah	17.50	108.00	1,890.00	
Stone, Alicia	17.40	63.00	1,096.20	
Totals	39.70		3,368.10	
Total Labor				3,368.10

Outside Services

RMB Environmental Laboratories, Inc.	479.50			
Outside Services Total			479.50	479.50

Reimbursable Expenses

Tools & Equipment	38.98			
Total Reimbursables			38.98	38.98

Unit Billing

00-WAI Vehicle Golden Valley				66.12
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Total Invoice Amount \$3,952.70

	Current	Prior	Total
Billing Summary	3,952.70	10,798.26	14,750.96

Invoice

July 8, 2019
Invoice No: 11904388



Ms. Judie Anderson
Shingle Creek Watershed Management Comm.
3235 Fernbrook Lane
Plymouth, MN 55447

Responsive partner.
Exceptional outcomes.

Project Manager Sarah Nalven

Project B1240-0208 2019 Lake Monitoring

Professional Services Through June 30, 2019

Professional Personnel

	Hours	Rate	Amount	
Harley, Mehdi	.20	63.00	12.60	
Langer, Thomas	15.00	130.00	1,950.00	
Nalven, Sarah	.70	108.00	75.60	
Omodt, Nicholas	8.60	63.00	541.80	
Totals	24.50		2,580.00	
Total Labor				2,580.00

Outside Services

RMB Environmental Laboratories, Inc.			198.50	
Outside Services Total			198.50	198.50

Unit Billing

00-WAI Vehicle Golden Valley				
01-BioBase Sonar Data Processing				
01-Boat and Motor				
01-Canoe/Kayak				
01-Field Scale				
01-Lowrance Sonar				
01-YSI - 6820 (Temp, DO, Cond, pH)				588.46
			Total Invoice Amount	\$3,366.96

	Current	Prior	Total
Billing Summary	3,366.96	2,885.81	6,252.77

Invoice

July 5, 2019
Invoice No: 11903889



Ms. Judie Anderson
Shingle Creek Watershed Management Comm.
3235 Fernbrook Lane
Plymouth, MN 55447

Responsive partner.
Exceptional outcomes.

Project Manager Diane Spector

Project B1240-0203 2019 Education and Outreach

Professional Services Through June 30, 2019

Phase 01 General Education

General Education

Professional Personnel

	Hours	Rate	Amount	
Spector, Diane	17.60	188.00	3,308.80	
Strom, Jeffrey	.80	145.00	116.00	
Totals	18.40		3,424.80	
Total Labor				3,424.80
				Phase Total
				\$3,424.80

Phase 02 WMWA

WMWA

Professional Personnel

	Hours	Rate	Amount	
Spector, Diane	1.20	188.00	225.60	
Totals	1.20		225.60	
Total Labor				225.60
				Phase Total
				\$225.60

Total Invoice Amount \$3,650.40

Billing Summary	Current	Prior	Total
	3,650.40	14,954.60	18,605.00

SC Education 1712.40
 WmWA 225.60

 1938.00

Wm Education 1712.40

Invoice

July 5, 2019

Invoice No: 11903894



Ms. Judie Anderson
 Shingle Creek Watershed Management Comm.
 3235 Fernbrook Lane
 Plymouth, MN 55447

Responsive partner.
 Exceptional outcomes.

Project Manager Diane Spector

Project B1240-0162 Twin Lake Carp Management

Professional Services Through June 30, 2019

Phase 03 Carp Removal

Carp Removal

Professional Personnel

	Hours	Rate	Amount	
Langer, Thomas	.70	80.00	56.00	
Matthiesen, Edward	.20	127.00	25.40	
Omodt, Nicholas	1.10	80.00	88.00	
Totals	2.00		169.40	
Total Labor				169.40

Unit Billing

00-WAI Vehicle Golden Valley

23.20

Phase Total \$192.60

Phase 06 Semi-annual Reports

Semi-annual Reports

Professional Personnel

	Hours	Rate	Amount	
Spector, Diane	8.20	127.00	1,041.40	
Totals	8.20		1,041.40	
Total Labor				1,041.40

Phase Total \$1,041.40

Total Invoice Amount \$1,234.00

Invoice

July 5, 2019

Invoice No: 11903897



Ms. Judie Anderson
 Shingle Creek Watershed Management Comm.
 3235 Fernbrook Lane
 Plymouth, MN 55447

Responsive partner.
 Exceptional outcomes.

Project Manager Diane Spector

Project B1240-0163 Biochar/Iron Sand Filters

Professional Services Through June 30, 2019

Phase 01C Construction Management

Construction Management

Professional Personnel

	Hours	Rate	Amount	
Berner, Bradley	2.25	80.00	180.00	
Doede, Jerome	1.75	80.00	140.00	
Zhang, Lu	.20	80.00	16.00	
Totals	4.20		336.00	
Total Labor				336.00
		Phase Total		\$336.00

Phase 02A Monitoring

Monitoring

Professional Personnel

	Hours	Rate	Amount	
Harley, Mehdi	5.20	80.00	416.00	
Kaczmarek, Hagen	3.30	90.00	297.00	
Nalven, Sarah	8.80	80.00	704.00	
Spector, Diane	10.80	127.00	1,371.60	
Stone, Alicia	4.50	80.00	360.00	
Zhang, Lu	5.00	80.00	400.00	
Totals	37.60		3,548.60	
Total Labor				3,548.60

Outside Services

Instrumental Research, Inc.	456.00			
Outside Services Total	456.00			456.00

Unit Billing

00-WAI Vehicle Golden Valley				217.50
		Phase Total		\$4,222.10

Phase 02B Evaluation

Evaluation

Professional Personnel

	Hours	Rate	Amount	
Matthiesen, Edward	.70	127.00	88.90	
Zhang, Lu	14.90	80.00	1,192.00	
Totals	15.60		1,280.90	
Total Labor				1,280.90
		Phase Total		\$1,280.90

Phase 04 Semi-annual Reports

Semi-annual Reports

Professional Personnel

	Hours	Rate	Amount	
Spector, Diane	.20	127.00	25.40	
Totals	.20		25.40	
Total Labor				25.40
		Phase Total		\$25.40
		Total Invoice Amount		\$5,864.40

Invoice

July 5, 2019
Invoice No: 11903888



Ms. Judie Anderson
Shingle Creek Watershed Management Comm.
3235 Fernbrook Lane
Plymouth, MN 55447

Responsive partner.
Exceptional outcomes.

Project Manager Diane Spector

Project B1240-0187 Minneapolis Subwatershed Assessment

Professional Services Through June 30, 2019

Phase 01 Modeling and Report
Modeling and Report

Professional Personnel

	Hours	Rate	Amount	
Spector, Diane	5.80	186.00	1,078.80	
Totals	5.80		1,078.80	
Total Labor				1,078.80
		Phase Total		\$1,078.80
		Total Invoice Amount		\$1,078.80

	Current	Prior	Total
Billing Summary	1,078.80	40,694.30	41,773.10

Invoice

July 5, 2019

Invoice No: 11903902



Ms. Judie Anderson
 Shingle Creek Watershed Management Comm.
 3235 Fernbrook Lane
 Plymouth, MN 55447

Responsive partner.
 Exceptional outcomes.

Project Manager Diane Spector

Project B1240-0200 Bass and Pomerleau Lakes Alum Treatment

Professional Services Through June 30, 2019

Phase 01 Technical Services

Technical Services

Professional Personnel

	Hours	Rate	Amount	
Nalven, Sarah	1.00	108.00	108.00	
Totals	1.00		108.00	
Total Labor				108.00
				Phase Total
				\$108.00

Phase 02 Lake WQ Monitoring

Lake WQ Monitoring

Professional Personnel

	Hours	Rate	Amount	
Harley, Mehdi	.20	63.00	12.60	
Langer, Thomas	4.20	130.00	546.00	
Nalven, Sarah	.40	108.00	43.20	
Omodt, Nicholas	9.40	63.00	592.20	
Totals	14.20		1,194.00	
Total Labor				1,194.00

Outside Services

RMB Environmental Laboratories, Inc.			394.50	
Outside Services Total			394.50	394.50

Unit Billing

00-WAI Vehicle Golden Valley
 Boat and Motor (100)
 YSI - 6920 (Temp, DO, Cond, pH)

246.40

Phase Total \$1,834.90

Phase 04 SAV Surveys and Permitting

SAV Surveys and Permitting

Professional Personnel

	Hours	Rate	Amount	
Langer, Thomas	.20	130.00	26.00	
Totals	.20		26.00	
Total Labor				26.00

INVOICES ARE DUE UPON PRESENTATION. Subject to 1-1/2% 18% Annum interest/finance charge. Please reference the invoice number when sending payment. Federal Tax ID #41-1520095 -Wenck Associates, Inc.-1800 Pioneer Creek Center PO Box 249- Maple Plain, MN 55359-0249 Toll Free:800-472-2232 Main:763-479-4200 E-mail:accounting@wenck.com Web www.wenck.com

Project	B1240-0200	Bass and Pomerleau Lakes Alum Treatment	Invoice	11903902
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Phase Total	\$26.00
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Total Invoice Amount	\$1,968.90
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	Current	Prior	Total
Billing Summary	1,968.90	26,637.02	28,605.92

Invoice

July 5, 2019

Invoice No: 11903906



Ms. Judie Anderson
 Shingle Creek Watershed Management Comm.
 3235 Fernbrook Lane
 Plymouth, MN 55447

Responsive partner.
 Exceptional outcomes.

Project Manager Diane Spector

Project B1240-0212 Shingle Creek SRP Reduction Project

Professional Services Through June 30, 2019

Phase 01 Design

Design

Professional Personnel

	Hours	Rate	Amount	
Project Manager				
Spector, Diane	1.80	137.52	247.54	
Scientist II				
Nalven, Sarah	14.90	97.48	1,452.45	
Scientist III				
Kallio, Brian	13.60	137.52	1,870.27	
Toso, Joel	.50	137.52	68.76	
Totals	30.80		3,639.02	
Total Labor				3,639.02

Unit Billing

00-WAI Vehicle Golden Valley
 00-WAI Vehicle Woodbury

160.40

Phase Total \$3,799.42

Phase 02 Filter Installation

Filter Installation

Professional Personnel

	Hours	Rate	Amount	
Scientist I				
Stone, Alicia	1.50	78.09	117.14	
Scientist II				
Nalven, Sarah	14.90	97.48	1,452.45	
Weis, Rena	1.70	97.48	165.72	
Scientist III				
Kallio, Brian	9.80	137.52	1,347.70	
Matthiesen, Edward	.70	137.52	96.26	
Field Technician I				
Johnson, Thomas	2.00	78.09	156.18	
Totals	30.60		3,335.45	
Total Labor				3,335.45

Reimbursable Expenses

Tools & Equipment	3,789.98	
Total Reimbursables	3,789.98	3,789.98

INVOICES ARE DUE UPON PRESENTATION. Subject to 1-1/2% 18% Annum interest/finance charge. Please reference the invoice number when sending payment. Federal Tax ID #41-1520095 -Wenck Associates, Inc.-1800 Pioneer Creek Center PO Box 249- Maple Plain, MN 55359-0249 Toll Free:800-472-2232 Main:763-479-4200 E-mail:accounting@wenck.com Web www.wenck.com

Unit Billing

00-WAI Vehicle Golden Valley

29.00

Phase Total \$7,154.43

Phase 03 Monitoring
Monitoring

Professional Personnel

	Hours	Rate	Amount
Scientist I			
Stone, Alicia	9.60	78.09	749.66
Totals	9.60		749.66
Total Labor			749.66

Phase Total \$749.66

Phase 06 Semiannual/Annual Reports
Semiannual/Annual Reports

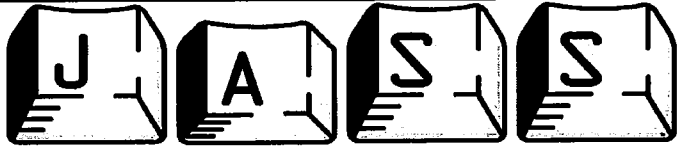
Professional Personnel

	Hours	Rate	Amount
Project Manager			
Spector, Diane	.20	137.52	27.50
Totals	.20		27.50
Total Labor			27.50

Phase Total \$27.50

Total Invoice Amount \$11,731.01

Billing Summary	Current	Prior	Total
	11,731.01	10,676.64	22,407.65



Your Virtual Administrator

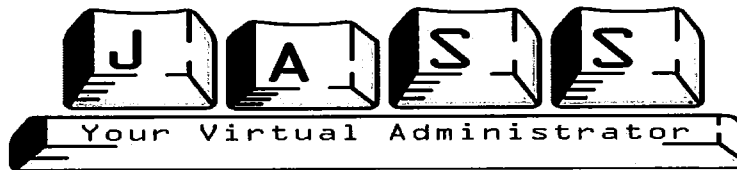
3235 Fernbrook Lane Plymouth MN
55447

Shingle Creek Watershed Management Commission
3235 Fernbrook Lane
Plymouth MN 55447

9-Jul-19

Re: 2019 WMWA General Expense and Watershed PREP

Description	Rate	Hours/ No.	Amount	Total
General Expense				
Secretarial	55.00	1.11	61.05	
Secretarial	50.00		-	
Administrative	60.00	3.70	222.00	
Administrative - website, Facebook, Twitter	60.00		-	
Offsite, WMWA meetings, Blue Thumb, Watershed Partners, Home Expo, Henn County, city events	70.00	4.08	285.60	
Website hosting, domain registration one year	1.00		-	
Reimbursables	1.00	47.86	47.86	
Total General Expense				616.51
Watershed PREP				
Secretarial	55.00		-	
Administrative	60.00		-	
Offsite	70.00		-	
Reimbursables	1.00		-	
Total Watershed PREP				-
Total this invoice				616.51
Partner Share				154.13



3235 Fernbrook Lane
Plymouth MN 55447

Shingle Creek / West Mississippi Watershed Management Commissions
3235 Fernbrook Lane
Plymouth, MN 55447


July 9, 2019

	Share	G/L	Shingle Creek			West Mississippi			Total Project Area	
			SC	WM		SC	WM		SC	WM
Administrative		53001	1.08	55.00	59.40	1.08	55.00	59.40		
Administrative	70-30	53001	3.41	55.00	131.29		55.00	56.27		
Administrative		53001	28.72	60.00	1,723.20	8.88	60.00	532.80		
Administrative	70-30	53001	46.07	60.00	1,934.94		60.00	829.26		
Admin - Offsite	70-30	53001	4.20	70.00	205.80		70.00	88.20		
Office Support	70-30	53001	10.25	200.00	1,435.00		200.00	615.00		
Admin Reimbursables			627.77	1.00	627.77	324.21	1.00	324.21	6,117.395	2,505.135
Bookkeeping	80-20	54022		55.00	-		55.00	-		
Bookkeeping	80-20	54022	7.76	60.00	372.48		60.00	93.12		
Audit Prep		54022	0.50	60.00	30.00		60.00	-	402.480	93.120
Project / WCA Reviews - Secre		53002		55.00	-		55.00	-		
Project / WCA Reviews - Admin		53002	0.83	60.00	49.80	1.34	60.00	80.40		
Project Reviews - File Mgmt		53002		55.00	-		55.00	-		
Reimbursable Expenses		53002	54.75	1.00	54.75	153.70	1.00	153.70	104.550	234.100
Website	50-50	57008		55.00	-		55.00	-		
Website	50-50	57008	3.55	60.00	106.50		60.00	106.50		
Renew website domain	50-50	57008		1.00	-		1.00	-		
Education Reimbursables	50-50	57008		1.00	-		1.00	-	106.500	106.500
Engineering Support - Admin		53004		55.00	-		55.00	-		
Engineering Support - Admin		53004		60.00	-		60.00	-		
Engineering Support - Admin	70-30	53004	19.89	60.00	835.38		60.00	358.02		
Engineering Support - Offiste	70-30	53004	2.43	70.00	119.07		70.00	51.03		
Engineering Support Rembursables		53004	440.22	1.00	440.22	188.67	1.00	188.67	1,394.670	597.720
									8,125.595	3,536.575

West Mississippi Watershed Management Commission
2019 Treasurer's Report

	2019 Budget	June	July	%age YTD	2019 YTD
REVENUE					
Application Fees	20,000	4,400.00		58.00	11,600.00
Assessments	153,600			100.00	153,600.00
Interest & Dividend Income	2,000	984.95		299.06	5,981.10
Reserve - Flood Mapping	25,000			0.00	-
Miscellaneous Income					-
<i>Transfer to (from) CIPs (see CIP Tracker page)</i>					-
<i>To (From) Reserve</i>					-
TOTAL REVENUE	200,600	5,384.95	-		171,181.10
EXPENSES					
ADMINISTRATION					
Administrative Services	31,000	2,262.56	2,505.14	44.58	13,820.11
Engineering Support	4,500	621.43	597.72	53.66	2,414.48
Project Reviews	1,500	124.61	234.10	38.40	576.02
ENGINEERING					
Administration	30,000	3,192.40	3,230.30	57.50	17,250.18
Grant Application Writing	1,500			0.00	-
Project Review	27,000	1,455.80	4,806.04	55.71	15,040.94
LEGAL					
Legal Services	5,000	643.20	367.60	34.12	1,705.80
MISCELLANEOUS					
Bookkeeping	2,800	510.00	93.12	58.46	1,637.01
Audit	5,000			0.00	-
Insurance & Bonding	2,800	2,518.00		89.93	2,518.00
Meeting Expense	2,500	139.46		35.11	877.74
PROJECTS					
Macroinvertebrate Monitoring	1,000			0.00	-
Volunteer Wetland Monitoring (WHEP)	2,000			0.00	-
Outfall and Stream Monitoring	18,000	4,236.73	1,764.48	52.80	9,503.83
Annual Water Quality Report	6,000			99.99	5,999.65
Water Quality Education					
Education	15,000	3,299.90	1,818.90	74.71	11,206.96
Rain Garden Workshops	2,000		1,000.00	100.00	2,000.00
Education Grants	500			0.00	-
WMWA General Programs	5,000			60.00	3,000.00
WMWA Educators/Watershed Prep	4,500			44.44	2,000.00
WMWA Special Projects	2,000			0.00	-
Third Gen Plan/amendments	1,000	3.89		28.96	289.62
Contribution to Construction/Grant Match	5,000			0.00	-
Flood modeling and mapping	25,000			0.00	-
<i>Transfer to (from)CIPs</i>					-
<i>To (from) Reserves</i>					-
TOTAL OPERATING EXPENSE	200,600	19,007.98	16,417.40		89,840.34
CASH SUMMARY					
4M Fund Balance at 12/31/18					479,512.33
Plus Revenue Received to Date					171,725.39
Minus Claims Approved to Date					(89,646.26)
Minus Claims Presented Current Month					(16,417.40)
Fund Balance		561,591.46			545,174.06

**West Mississippi Watershed Management Commission
2019 Treasurer's Report**

Claims Presented July 11, 2019	General Ledger Acct No	June	July		
					Total
Kennedy & Graven					367.60
Legal - General	52001		367.60		
Shingle Creek - Rain Garden Workshops	57002		1,000.00		1,000.00
Wenck Associates					11,513.22
General Engineering	51001		3,230.30		
Project Reviews	51002		4,806.04		
Project Management Plan	51003				
Grant Applica/Research	51005				
Plan Amendment	51007				
Education Program	57008		1,712.40		
Intensive BMPs	57011				
Annual Water Quality Report	58002				
Water Monitoring Program	58011		1,764.48		
Judie Anderson's Secretarial Service					3,536.58
Administration	53001		2,505.14		
Bookkeeping	54002		93.12		
Audit Prep	54002				
Project and WCA Review Support	53002		234.10		
Education Programs	57008		106.50		
Engineering Support	53004		597.72		
Engineering Support - CIPs	53004				
Engineering Support - Plan Amendment	53007				
Total Claims					16,417.40
					
Judie A Anderson, Deputy Treasurer					

Kennedy & Graven, Chartered

200 South Sixth Street, Suite 470
Minneapolis, MN 55402

(612) 337-9300

41-1225694

June 20, 2019

Statement No. 149054

West Mississippi Watershed Management Commission

JASS - Watershed Administrators
3235 Fernbrook Lane
Plymouth, MN 55447


Through May 31, 2019

WE405-00001 General

367.60

Total Current Billing: 367.60

I declare, under penalty of law, that this account, claim or demand is just and correct and that no part of it has been paid.



Signature of Claimant

Kennedy & Graven, Chartered

200 South Sixth Street, Suite 470
Minneapolis, MN 55402

West Mississippi Watershed

May 31, 2019

WE405-00001 General

Through May 31, 2019

For All Legal Services As Follows:

			Hours	Amount
5/9/2019	TJG	Prepare for, travel to, and attend meeting	1.80	361.80
Total Services:			\$	361.80

For All Disbursements As Follows:

4/11/2019	Troy Gilchrist;	Mileage expense		5.80
Total Disbursements:			\$	5.80

Total Services and Disbursements: \$ 367.60



3235 Fernbrook Lane · Plymouth, MN 55447
Telephone (763)553-1144 · FAX (763)553-9326

Sold To:

WEST MISSISSIPPI WMO

Invoice Number:
277

Invoice Date:
July 1, 2019

Due Date:
July 31, 2019

Description	Amount
2019 Rain Garden Workshops-Second half pmt	1,000.00

Please make check payable to Shingle Creek WMO
and mail to:

Judie A. Anderson, Deputy Treasurer
Shingle Creek WMO
3235 Fernbrook Lane
Plymouth, MN 55447

Subtotal	1,000.00
Total Invoice Amount	1,000.00
Payment/Credit Applied	
TOTAL	1,000.00

If you have questions regarding this invoice, please call 763-553-1144

Judie A. Anderson, Deputy Treasurer

Invoice

July 8, 2019
Invoice No: 11904379



Ms. Judie Anderson
West Mississippi Watershed Mgmt. Comm.
3235 Fernbrook Lane
Plymouth, MN 55447

Responsive partner.
Exceptional outcomes.

Project Manager Edward Matthiesen

Project B1241-0073 2019 General Engineering

Professional Services Through June 30, 2019
Professional Personnel

	Hours	Rate	Amount	
Harley, Mehdi	3.90	63.00	245.70	
Matthiesen, Edward	3.30	198.00	653.40	
Spector, Diane	12.40	188.00	2,331.20	
Totals	19.60		3,230.30	
Total Labor				3,230.30
		Total Invoice Amount		\$3,230.30

	Current	Prior	Total
Billing Summary	3,230.30	14,019.88	17,250.18

Invoice

July 8, 2019

Invoice No: 11904385



Ms. Judie Anderson
 West Mississippi Watershed Mgmt. Comm.
 3235 Fernbrook Lane
 Plymouth, MN 55447

Responsive partner.
 Exceptional outcomes.

Project Manager Edward Matthiesen

Project B1241-0076 2019 Project Reviews

Professional Services Through June 30, 2019

Phase 01 2019 General Project Reviews

2019 General Project Reviews

Professional Personnel

	Hours	Rate	Amount	
Harley, Mehdi	2.10	63.00	132.30	
Matthiesen, Edward	3.20	198.00	633.60	
Nalven, Sarah	4.10	108.00	442.80	
Spector, Diane	.20	188.00	37.60	
Totals	9.60		1,246.30	
Total Labor				1,246.30

Unit Billing

00-WAI Vehicle Golden Valley

19.14

Phase Total \$1,265.44

Phase 02 2019 WCA Administration

2019 WCA Administration

Professional Personnel

	Hours	Rate	Amount	
Boll, Wesley	.30	158.00	47.40	
Dietrich, Meaghan	1.00	120.00	120.00	
Totals	1.30		167.40	
Total Labor				167.40

Phase Total \$167.40

Phase 19003 610 Crossings 2nd Addition Regional Pond

610 Crossings 2nd Addition Regional Pond

Professional Personnel

	Hours	Rate	Amount	
Matthiesen, Edward	.10	198.00	19.80	
Nalven, Sarah	1.50	108.00	162.00	
Totals	1.60		181.80	
Total Labor				181.80

Phase Total \$181.80

Phase 19004 TH 169 and 101st Ave Interchange

TH 169 and 101st Ave Interchange

INVOICES ARE DUE UPON PRESENTATION. Subject to 1-1/2% 18% Annum interest/finance charge. Please reference the invoice number when sending payment. Federal Tax ID #41-1520095 -Wenck Associates, Inc.-1800 Pioneer Creek Center PO Box 249- Maple Plain, MN 55359-0249 Toll Free:800-472-2232 Main:763-479-4200 E-mail:accounting@wenck.com Web www.wenck.com

Professional Personnel

	Hours	Rate	Amount	
Matthiesen, Edward	.70	198.00	138.60	
Nalven, Sarah	6.60	108.00	712.80	
Totals	7.30		851.40	
Total Labor				851.40
				Phase Total
				\$851.40

Phase 19005 Data Recognition Center Addition
 Data Recognition Center Addition

Professional Personnel

	Hours	Rate	Amount	
Harley, Mehdi	9.20	63.00	579.60	
Matthiesen, Edward	.30	198.00	59.40	
Nalven, Sarah	6.70	108.00	723.60	
Totals	16.20		1,362.60	
Total Labor				1,362.60
				Phase Total
				\$1,362.60

Phase 19006 Pemberly
 Pemberly

Professional Personnel

	Hours	Rate	Amount	
Harley, Mehdi	4.00	63.00	252.00	
Matthiesen, Edward	.50	198.00	99.00	
Nalven, Sarah	5.80	108.00	626.40	
Totals	10.30		977.40	
Total Labor				977.40
				Phase Total
				\$977.40

Total Invoice Amount \$4,806.04

	Current	Prior	Total
Billing Summary	4,806.04	10,234.90	15,040.94

Invoice

July 5, 2019
 Invoice No: 11903889



Ms. Judie Anderson
 Shingle Creek Watershed Management Comm.
 3235 Fernbrook Lane
 Plymouth, MN 55447

Responsive partner.
 Exceptional outcomes.

Project Manager Diane Spector

Project B1240-0203 2019 Education and Outreach

Professional Services Through June 30, 2019

Phase 01 General Education

General Education

Professional Personnel

	Hours	Rate	Amount	
Spector, Diane	17.60	188.00	3,308.80	
Strom, Jeffrey	.80	145.00	116.00	
Totals	18.40		3,424.80	
Total Labor				3,424.80
				Phase Total
				\$3,424.80

Phase 02 WMWA

WMWA

Professional Personnel

	Hours	Rate	Amount	
Spector, Diane	1.20	188.00	225.60	
Totals	1.20		225.60	
Total Labor				225.60
				Phase Total
				\$225.60

Total Invoice Amount \$3,650.40

Billing Summary	Current	Prior	Total
	3,650.40	14,954.60	18,605.00

SC Education 1712.40
 WmWA 225.60

 1938.00

Wm Education 1712.40

Invoice

July 8, 2019
Invoice No: 11904390



Responsive partner.
Exceptional outcomes.

Ms. Judie Anderson
West Mississippi Watershed Mgmt. Comm.
3235 Fernbrook Lane
Plymouth, MN 55447

Project Manager Sarah Nalven

Project B1241-0077 2019 Stream and Outlet Monitoring

Professional Services Through June 30, 2019

Professional Personnel

	Hours	Rate	Amount	
Harley, Mehdi	2.30	63.00	144.90	
Langer, Thomas	2.20	130.00	286.00	
Nalven, Sarah	7.20	108.00	777.60	
Stone, Alicia	4.90	63.00	308.70	
Totals	16.60		1,517.20	
Total Labor				1,517.20

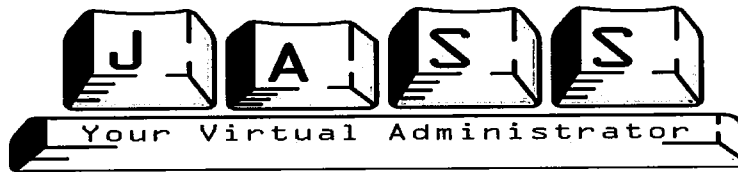
Outside Services

RMB Environmental Laboratories, Inc.			119.50	
Outside Services Total			119.50	119.50

Unit Billing

01-Sontek Flow Tracker				
01-YSI - 6820 (Temp, DO, Cond, pH)				
00-WAI Vehicle Golden Valley				127.78
Total Invoice Amount				\$1,764.48

	Current	Prior	Total
Billing Summary	1,764.48	7,739.35	9,503.83



3235 Fernbrook Lane
Plymouth MN 55447

Shingle Creek / West Mississippi Watershed Management Commissions
3235 Fernbrook Lane
Plymouth, MN 55447

July 9, 2019

	Share	G/L	Shingle Creek			West Mississippi			Total Project Area	
			SC	WM		SC	WM		SC	WM
Administrative		53001	1.08	55.00	59.40	1.08	55.00	59.40		
Administrative	70-30	53001	3.41	55.00	131.29		55.00	56.27		
Administrative		53001	28.72	60.00	1,723.20	8.88	60.00	532.80		
Administrative	70-30	53001	46.07	60.00	1,934.94		60.00	829.26		
Admin - Offsite	70-30	53001	4.20	70.00	205.80		70.00	88.20		
Office Support	70-30	53001	10.25	200.00	1,435.00		200.00	615.00		
Admin Reimbursables			627.77	1.00	627.77	324.21	1.00	324.21	6,117.395	2,505.135
Bookkeeping	80-20	54022		55.00	-		55.00	-		
Bookkeeping	80-20	54022	7.76	60.00	372.48		60.00	93.12		
Audit Prep		54022	0.50	60.00	30.00		60.00	-	402.480	93.120
Project / WCA Reviews - Secre		53002		55.00	-		55.00	-		
Project / WCA Reviews - Admin		53002	0.83	60.00	49.80	1.34	60.00	80.40		
Project Reviews - File Mgmt		53002		55.00	-		55.00	-		
Reimbursable Expenses		53002	54.75	1.00	54.75	153.70	1.00	153.70	104.550	234.100
Website	50-50	57008		55.00	-		55.00	-		
Website	50-50	57008	3.55	60.00	106.50		60.00	106.50		
Renew website domain	50-50	57008		1.00	-		1.00	-		
Education Reimbursables	50-50	57008		1.00	-		1.00	-	106.500	106.500
Engineering Support - Admin		53004		55.00	-		55.00	-		
Engineering Support - Admin		53004		60.00	-		60.00	-		
Engineering Support - Admin	70-30	53004	19.89	60.00	835.38		60.00	358.02		
Engineering Support - Offiste	70-30	53004	2.43	70.00	119.07		70.00	51.03		
Engineering Support Reimbursables		53004	440.22	1.00	440.22	188.67	1.00	188.67	1,394.670	597.720
									8,125.595	3,536.575

WEST MISSISSIPPI WATERSHED MANAGEMENT COMMISSION

PROJECT REVIEW WM2019-006: Pemberly

Owner: Paul Heuer
Company: Pulte Homes of Minnesota, LLC
Address: 7500 Flying Cloud Drive St. 670
Eden Prairie, MN 55344

Engineer: Robert Molstad
Company: Sathre-Bergquist Inc
Address: 150 Broadway Ave S
Wayzata, MN 55391
Phone: 952-476-6000
Email: molstad@sathre.com

Purpose: Construction of residential townhome development on 14.9 acres.

Location: 5300 94th Avenue North, Brooklyn Park, MN (Figure 1).

- Exhibits:**
1. Project review application and project review fee of \$2,200, dated 6/12/19, received 6/12/19.
 2. Site plan, preliminary plat, grading (Figure 2), utility, erosion control, and landscaping plans dated 5/31/19, received 6/11/19.
 3. Hydrologic calculations by AE2S, dated 5/8/19, received 6/11/19.

- Findings:**
1. The proposed project is the construction of a residential townhome development. The site is 14.9 acres. Following development, the site will be 41 percent impervious with 14.2 acres of impervious surface, an increase of 6.0 acres.
 2. The complete project application was received on 6/11/19. To comply with the 60-day review requirement, the Commission must approve or deny this project no later than the 8/8/19 meeting. Sixty calendar-days expires on 8/10/19.
 3. To comply with the Commission's water quality treatment requirement, the site must provide ponding designed to NURP standards with dead storage volume equal to or greater than the volume of runoff from a 2.5" storm event, or BMPs providing a similar level of treatment - 85% TSS removal and 60% TP removal. Infiltrating 1.3-inches of runoff, for example, is considered sufficient to provide a similar level of treatment. If a sump is used the MnDOT Road Sand particle size distribution is acceptable for 80% capture.

Runoff from the site is proposed to be routed through a series of three infiltration basins, ending with the largest basin in the southeast corner of the site. This basin then discharges into existing City storm sewer associated with Regent Avenue. Prior to entering each infiltration basin, runoff will be pretreated using three sumps of 4 ft. depth and 4 ft. diameter, each with 4 ft. SAFL Baffle inserts. Because the site is located in a Drinking Water Supply Management Area (Figure 3), the applicant proposes to add 3 inches of compost to the bottom of each infiltration basin and then till the top 12 inches of soil. This will provide adequate

water filtration prior to infiltration. The applicant meets Commission water quality treatment requirements.

4. Commission rules require that site runoff is limited to predevelopment rates for the 2-, 10-, and 100-year storm events. Runoff from the site will be routed to a series of three infiltration basins (Figure 2), which slow the rate of runoff before discharge to the City storm sewer. The series of infiltration basins begins in the northwest portion of the site (9.2 acres total with 2.4 acres impervious surface), where runoff will be routed to an infiltration basin in the northwest corner of the site. Discharge from this basin, in addition to runoff from the northeast portion of the site (3.6 acres total with 1.3 acres of impervious), will drain to the infiltration basin located in the northeast corner of the site. The discharge from this northeast basin, in addition to discharge from two offsite infiltration basins and the remaining part of the site (10.4 total acres with 3.8 acres of impervious) will discharge to the infiltration basin in the southeast. The applicant meets Commission rate control requirements (Table 1).

Table 1. Runoff from site (cfs).

Drainage Area	2-year event		10-year event		100-year event	
	Pre-	Post-	Pre-	Post-	Pre-	Post-
Total Drainage	0.15	0.00	2.38	0.44	12.34	11.89

5. Commission rules require the site to infiltrate 1.0 inch of runoff from new impervious area within 48 hours. The new impervious area on this site is 6.0 acres, requiring infiltration of 0.49 acre-feet within 48 hours. The applicant proposes to route runoff through a series of infiltration basins which have the capacity to infiltrate the required volume. The applicant meets Commission volume control requirements.
6. The Hennepin County Wetlands Inventory identifies two potential wetlands on the site. One potential wetland is 7.27 acres with 4.86 acres on the site and the other is 0.15 acres, with just 0.03 acres on the site. Although Hennepin County identifies these areas as potential wetlands, it is evident that these areas have been used recently as cultivated cropland. There are no jurisdictional wetlands on site. The applicant meets Commission wetland requirements.
7. There are no Public Waters on this site. The applicant meets Commission Public Waters requirements.
8. There is no floodplain on this site. The low floor elevations of the buildings are at least two feet higher than the high water elevation of the infiltration basins according to Atlas 14 precipitation. The applicant meets Commission floodplain requirements.
9. The erosion control plan includes a rock construction entrance, perimeter silt fence, silt fence surrounding infiltration basins, inlet protection, rip rap at inlets and outlets, rip rap and vegetation on emergency overflows slope checks, and native seed specified on the pond slopes. The erosion control plan meets Commission requirements.

WM 2019-006: Pemberly

10. A public hearing on the project will be conducted on 7/10/19 as part of Planning Commission and City Council review of this project, meeting Commission public notice requirements.
11. A draft Operations & Maintenance (O&M) agreement between the applicant and the City of Brooklyn Park has been provided.
12. A Project Review Fee of \$2,200 has been received.

Recommendation: Recommend approval subject to the following condition(s):

1. Provide a complete O&M agreement between the applicant and the City of Brooklyn Park for all stormwater facilities on the project site. (A draft agreement has been provided.)
2. Demonstrate by post-construction double ring infiltrometer or witness test that the site can meet the design infiltration rates.

Wenck Associates, Inc.
Engineers for the Commission

Ed Matthiesen, P.E.

Date

WM 2019-006: Pemberly

Figure 1. Site location.



Figure 2. Site grading plan.

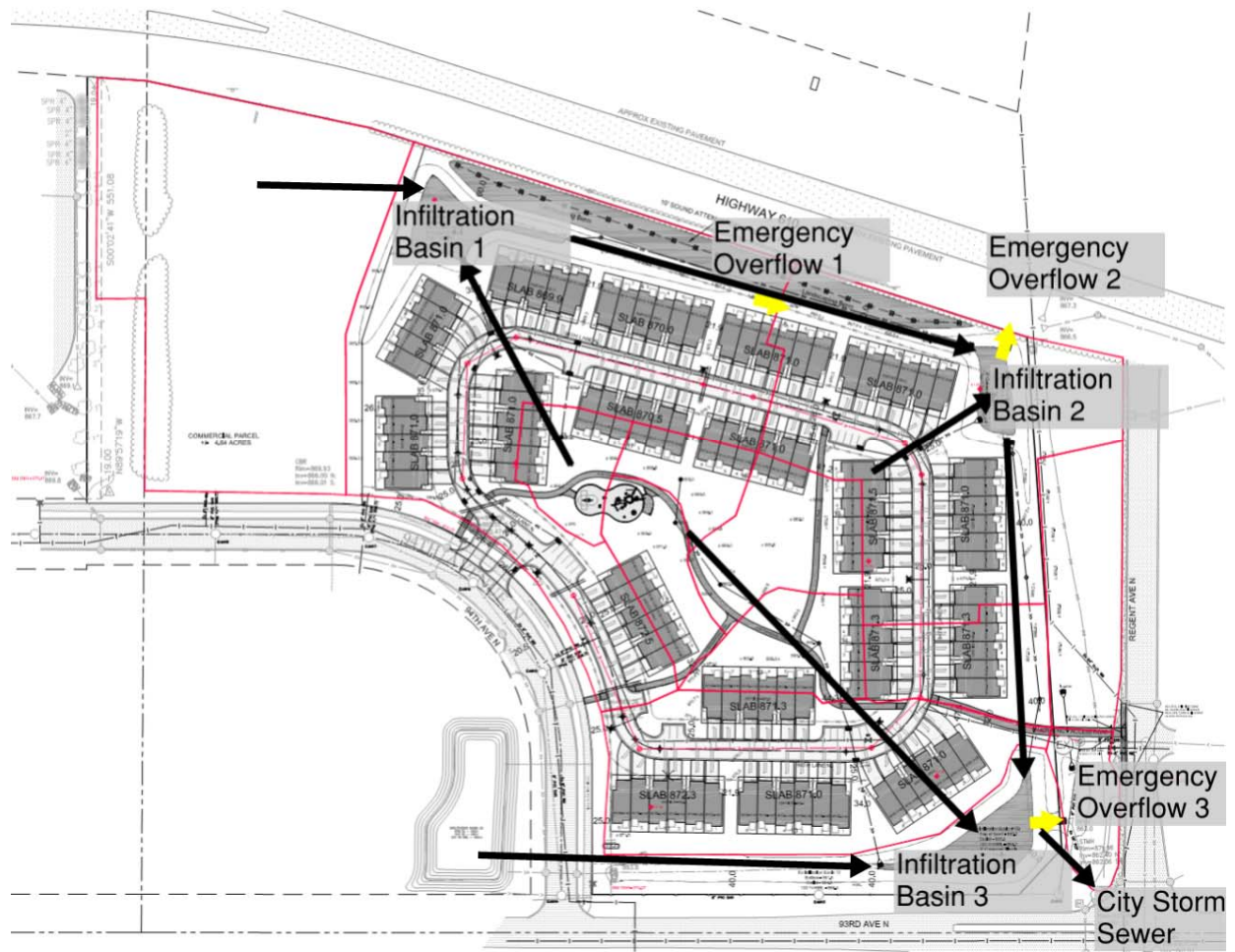
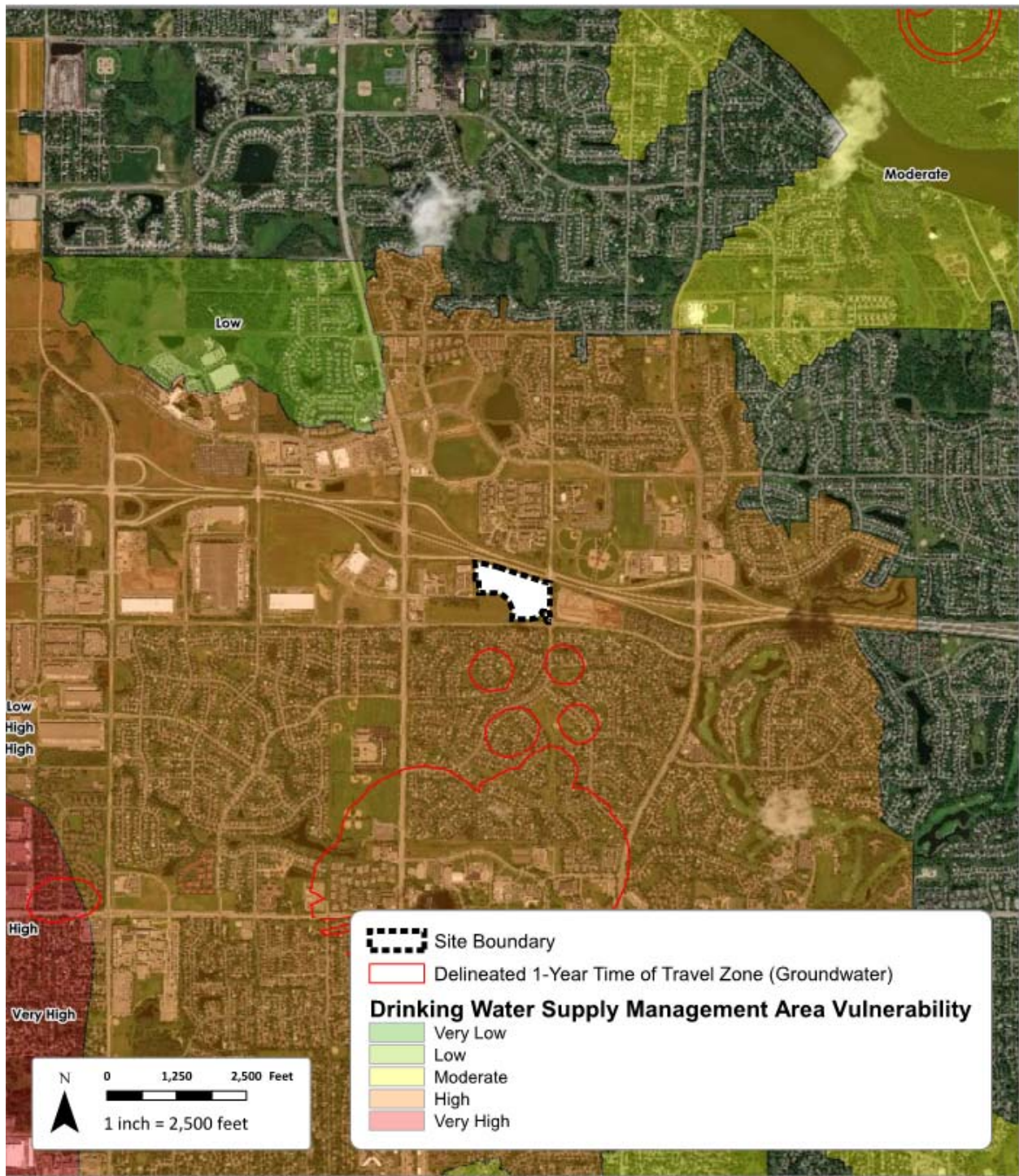


Figure 3. Site location in high risk area of Brooklyn Park DWSMA.



Technical Memo



Responsive partner.
Exceptional outcomes.

To: Shingle Creek/West Mississippi WMC Commissioners
From: Diane Spector
Date: July 10, 2019
Subject: Education and Outreach Update

WMWA. WMWA met on Tuesday, July 9, 2019. The next meeting will be Tuesday, August 13, 2019 at Plymouth City Hall.

Watershed PREP and Education and Outreach Events. Educators have finished up spring classroom visits, and Spring 2019 school visits are detailed in the attachment. The educators are finding that schools are tending to schedule them more in the fall semester than in the spring semester. A reminder that the educators are available to table at city and school events, contact Amy Juntunen at amy@jass.biz. The educators are still researching options to make a short, 3-5 minute promotional video for Watershed PREP for use both in marketing to schools in the four watersheds as well as informing other watershed organizations about the program.

Website. The group will be reviewing the WMWA website to refresh and update content. Any input is appreciated. westmetrowateralliance.org/

Special Project Discussion. Each year the four watersheds budget \$8,000 to undertake a larger project. The group continues to discuss purchasing a copy of the Blue Thumb native plant root puller display, which is extremely popular among both adults and youth. The nonprofit Blue Thumb has these custom displays made for about \$3,500. The displays educate users about one of the many features of native plants, their root lengths compared to turf grass and ornamental plants. This makes them ideal for stabilizing streambanks and lakeshores and for promoting infiltration by creating deep root channels. The display allows the user to pull out a string that is as long as the roots are deep.

In addition, WMWA is discussing reallocating some of the admin budget and some of the special projects budget to contract with a part-time coordinator to provide enhanced general education and coordination across the four member watersheds. Some of the potential activities include coordinating chloride management education and outreach to private entities; restarting the lake association summit; coordinating with the Master Water Stewards in the area; and enhanced outreach to the media.

And just as a reminder, Blue Thumb is a valuable source of information, including educational materials, how-to guides, a plant finder tool, and more. <http://www.blue-thumb.org/public-resources/>



Website/Social Media. The website Google Analytics for June 2019 are attached, as are the Facebook insights for the last 30 days for both Shingle Creek and WMWA and the WMWA Twitter metrics. As a reminder, Facebook Impressions is the number of times a post was viewed in a feed, Engagement is an action- a click, comment, share, or reaction.

Left: Source: MCWD

Below: Source: Washington Conservation District



2019 School Visits

Lesson 1: What is a Watershed and Why do we Care?

Date	School	School District	City	Watershed	Classes	Students
2/28	Hassan	Elk River	Rogers	Elm	4	119
2/21	Lakeview Elementary	Robbinsdale	Robbinsdale	Shingle	3	62
3/25	Plymouth Creek	Wayzata	Plymouth	Bassett	4	110
3/27	Sunset Hill	Wayzata	Plymouth	Bassett	4	116
4/4	Neill Elementary	Robbinsdale	Crystal	Bassett	3	68
4/12	Gleason Lake	Wayzata	Plymouth	Minnehaha	4	92
4/30	Meadow Ridge Elementary	Wayzata	Plymouth	Elm	4	116
5/1	Meadow Ridge Elementary	Wayzata	Plymouth	Elm	2	58
5/3	Oakwood	Wayzata	Plymouth	Minnehaha	3	84
5/13-15	Kimberly Lane	Wayzata	Plymouth	Bassett	6	145
5/14	Zachary Lane Elementary	Robbinsdale	Plymouth	Bassett	4	96
4/30	Northport Elementary	Robbinsdale	Brooklyn Ctr	Shingle	2	45
5/14	Forest Elementary	Robbinsdale	Crystal	Shingle	3	83
5/21&22	Rush Creek	Osseo	Maple Grove	Elm	5	127
Total					51	1321

Lesson 2: The Incredible Journey

Date	School	School District	Watershed	Classes	Students	
2/27	Hassan	Elk River	Rogers	Elm	4	118
2/6	Lakeview Elementary	Robbinsdale	Robbinsdale	Shingle	3	61
4/3	Neill Elementary	Robbinsdale	Crystal	Bassett	3	68
4/23&24	Rush Creek	Osseo	Maple Grove	Elm	5	127
29-Apr	Northport Elementary	Robbinsdale	Brooklyn Ctr	Shingle	2	46
5/7	Forest Elementary	Robbinsdale	Crystal	Shingle	3	84
Total				20	504	

Other

Date	Event	Location	Watershed	# of Attendees
4/27	Arbor Day Event	Maple Grove	EC/SC	64
	62 children "planted" trees in the watershed			

Shingle Creek FB Metrics

June 2019: 142 total Likes (1 new), 543 Impression, 53 Engagements.

Published	Post	Type	Targeting	Reach	Engagement
06/26/2019 10:38 AM	 Shingle Creek Watershed Management Organization			34	0 0
06/25/2019 9:34 AM	 Shingle Creek Watershed Management Organization			54	8 3
06/25/2019 9:33 AM	 Shingle Creek Watershed Management Organization			59	22 11
06/25/2019 9:33 AM	 Shingle Creek Watershed Management Organization			42	15 1
06/13/2019 1:54 PM	 What a beautiful sound! One more reason we protect our water.			40	2 2
06/12/2019 12:47 PM	 Shingle Creek Watershed Management Organization			41	2 1
06/03/2019 1:20 PM	 Wolves, deer and a new state bee: How the environment fared at the			55	2 0
06/03/2019 9:17 AM	 Here's a quick 60-second video from Minnehaha Creek Watershed of how			35	2 1
05/31/2019 5:00 PM	 Shingle Creek Watershed Management Organization			39	1 2
05/30/2019 12:04 PM	 Want to learn more about adopting your storm drain and how it can keep			24	1 0
05/30/2019 11:28 AM	 Program to pay Minnesota homeowners to let their lawn go to			74	18 7
05/29/2019 9:07 AM	 Shingle Creek Watershed Management Organization			54	2 5



Your Tweets earned **2.6K impressions** over this **28 day** period

<p>Tweets</p> <p>12</p> <p>tweets</p> <p>↑8 from 4</p>	<p>Followers</p> <p>137</p> <p>followers</p> <p>↑27 from 110</p>	<p>Engagement</p> <p>18</p> <p>engagements</p> <p>↑14 from 4</p>
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<p>WMWA @WestMetroWater · Jun 26</p> <p>Watershed Wednesday tip: get your soil tested before applying fertilizers. You would take medicine that you don't need, maybe your soil doesn't need anything either. At any rate, get your soil tested first. Buy a soil test kit or take it to your county extension office. pic.twitter.com/scmlPMDT1X</p> <p>View Tweet activity</p>	154	1
<p>WMWA @WestMetroWater · Jun 19</p> <p>Watershed-friendly Wednesday tip: stop water from flowing over hard surfaces (like a parking lot) with a rain garden. pic.twitter.com/0F2G9YFhgv</p> <p>View Tweet activity</p>	273	10
<p>WMWA @WestMetroWater · Jun 13</p> <p>If you need tips on how to restore your shore, visit bluethumb.org. @BlueThumbMN twitter.com/PriorSpringWD/...</p> <p>View Tweet activity</p>	155	2
<p>WMWA @WestMetroWater · Jun 12</p> <p>It's watershed-friendly Wednesday! Keep those streets, sidewalks and parking lots clean. Otherwise, what's on the street will end up in the lakes and creeks. pic.twitter.com/c7cKyNfMib</p> <p>View Tweet activity</p>	550	21
<p>WMWA @WestMetroWater · Jun 6</p> <p>Yay! twitter.com/MonarchsJV/sta...</p> <p>View Tweet activity</p>	62	0
<p>WMWA @WestMetroWater · Jun 6</p> <p>Cool article. Global climate change affects our water quality--especially with massive storms that are becoming more common place. twitter.com/PriorSpringWD/...</p> <p>View Tweet activity</p>	168	4
<p>WMWA @WestMetroWater · Jun 6</p> <p>I know July doesn't seem like a time to talk about winter salting, but it's a critical issue. Mark your calendars for July 24. Salt is in our freshwaters all year round due to oversalting. We get it. We need to be safe, but there's a better way to salt. twitter.com/brookeMPCA/sta...</p> <p>View Tweet activity</p>	110	1
<p>WMWA @WestMetroWater · Jun 6</p> <p>Everyone is jumping on board with eco-friendly practices in their yards! #Pledge2Plant westmetrowateralliance.org twitter.com/dakota_swcd/st...</p> <p>View Tweet activity</p>	76	2
<p>WMWA @WestMetroWater · Jun 5</p> <p>Wednesday Watershed Tip! Commercial building owners, how about some native plants rather than turf? Native plantings only need to be maintained monthly, not weekly. This will save you money and help protect our water and pollinators. pic.twitter.com/lcyfv3ovoZ</p> <p>View Tweet activity</p>	101	0

Posts

19 posts

↑8 from 11

Fans

149 fans

0 from 149

Engagement

77 engagements

↑31 from 46

Published	Post	Type	Targeting	Reach	Engagement
06/30/2019 10:00 PM	Could you do a "bee lawn" like this one?	Image	Global	32	6 1
06/28/2019 5:58 PM	Native plants bring back magical fireflies!	Image	Global	62	2 5
06/26/2019 7:25 AM	Watershed Wednesday tip: get your soil tested before applying	Image	Global	71	5 2
06/25/2019 9:33 AM	West Metro Water Alliance	Image	Global	35	5 0
06/23/2019 7:47 PM	Isn't this meadow beautiful? Lawns are great to play in, but if the only	Image	Global	51	13 2
06/20/2019 8:10 PM	Read about Maya paddling the ENTIRE length of the Mississippi	Image	Global	61	9 6
06/20/2019 9:47 AM	West Metro Water Alliance	Image	Global	66	5 7
06/19/2019 7:25 AM	Watershed-friendly Wednesday tip: stop water from flowing over hard	Image	Global	49	3 4
06/15/2019 6:43 AM	Butterfly Count	Image	Global	25	4 1
06/15/2019 6:42 AM	Beautiful work by our friends at Metro Blooms!	Image	Global	49	3 2
06/13/2019 3:12 PM	Exactly. We are still looking for people to pledge to plant for	Image	Global	64	7 5
06/13/2019 10:47 AM	What a beautiful sound! One more reason we protect our water.	Image	Global	38	10 3
06/12/2019 7:25 AM	It's watershed-friendly Wednesday! Keep those streets, sidewalks and	Image	Global	98	10 11
06/11/2019 1:18 PM	The Birds, the Bees and the Trees	Image	Global	43	1 0

Reach: Organic / Paid
Post Clicks
Reactions, Comments & Shares

Published	Post	Type	Targeting	Reach 	Engagement
06/11/2019 1:18 PM	 The Birds, the Bees and the Trees			43 	1 0 
06/08/2019 12:56 AM	 Incredible!			58 	4 4 
06/06/2019 7:02 AM	 Want to learn how to Install Turf Alternatives? Find out tonight! @			24 	0 0 
06/06/2019 6:52 AM	 Do you have a pollinator-friendly patch in your yard? Please record			54 	6 1 
06/05/2019 7:25 AM	 Wednesday Watershed Tip! Commercial building owners, how			142 	8 5 
06/03/2019 1:19 PM	 Wolves, deer and a new state bee: How the environment fared at the			49 	1 0 
06/03/2019 9:17 AM	 Here's a quick 60-second video from Minnehaha Creek Watershed			38 	5 2 
06/01/2019 10:13 AM	 West Metro Water Alliance			58 	5 0 

As algae blooms spread, more Minn. lakes get chemical treatment

[Environment](#) [Daniel Ackerman](#) · Plymouth · Jul 5, 2019



Crews fill a tanker barge with aluminum sulfate on Bass Lake in Plymouth on May 15. Daniel Ackerman for MPR News

LISTEN

4min 21sec

(https://www.mprnews.org/listen?name=/minnesota/news/features/2019/07/05/190705_ackerman_20190705_64.mp3)

Bass Lake in Plymouth has a problem — a green one.

"It can look like pea soup in July," said Julie Olsen, who has lived on Bass Lake for 19 years. When her kids were younger, Olsen's family would waterski, kayak and "look out over the water and enjoy all the nature."

But Bass Lake is threatened by an explosion of tiny floating plants called algae. These algae feast on phosphorus, a nutrient that bubbles up from the lakebed sediment and causes the algae to reproduce like crazy. Algae blooms can turn the whole lake green. They can also stink, scaring away would-be swimmers or anglers.

<https://www.mprnews.org/story/2019/07/05/algae-lake-chemical-treatment>

Page 1 of 4



When lake temperatures warm, algae thrives. Dan Kraker | MPR News 2017

And Bass Lake is not alone in its water woes. Harmful algae blooms are growing more common across the state, according to research from the University of Minnesota.

To combat the aquatic scourge, lake managers are increasingly turning to aluminum sulfate, or "alum" for short. The chemical blankets the sediment, keeping the lake's phosphorus levels in check. And without phosphorus, the algae starve. That can turn the lake from grimy green to crystal clear.

That's why lake scientist John Holz came to Bass Lake. After 16 years researching lake chemistry, Holz founded HAB Aquatic Solutions. The company has injected alum into more than 80 lakes since 2013, including 16 in Minnesota. Holz's crew applies the chemical to Bass Lake from their high-tech tanker barge.

"The barge is automated. It has a computer on board," Holz said. "There are also automated valves that open and close as needed to keep the flow constant to achieve that target dose rate."



A tanker barge dispenses aluminum sulfate into Bass Lake. Daniel Ackerman for MPR News

The barge looks like a multirow planter that might be found on a farm field, rather than on a lake. It sports two wings covered in dozens of vertical tubes that shoot alum down into the water.

While the alum smothers phosphorus in the lake bed, it cannot stop phosphorus carried into lakes by streams. So Holz emphasized that alum treatments work best only after lake managers have reduced phosphorus in a lake's in-flowing streams.

Holz added that the process is benign. "As long as it's applied safely, there are really no negative components to an alum application," said Holz.

Most outside experts agreed that harmful side effects are rare. However, if the lake turns too acidic during an alum treatment, it could kill fish. Holz is monitoring the acidity throughout the day, so the lake should stay safe — not just for fish but also for human swimmers. In fact, Holz uses the same food-grade alum that water treatment plants use to purify drinking water.

But stopping algae blooms doesn't always mean a clean bill of aquatic health. The clearer water can give a boost to invasive aquatic plants.

After an alum treatment, "you get a little more light penetration that goes through that water column," said Department of Natural Resources scientist Kylie Cattoor. "That's going to promote more plant growth."

One invasive plant is particularly concerning to Cattoor — curly-leaf pondweed. She said the plant can grow "all the way to the top of the water and obviously interfere with things like boating, recreating and fishing."

The DNR has issued a permit for the Shingle Creek Watershed Management Commission, which manages Bass Lake, to apply herbicide that will prevent curly-leaf pondweed from taking over after the alum treatment. The DNR will also monitor plant growth in the lake in the months and years following the alum treatment.

In addition to Bass Lake, at least half a dozen other Minnesota lakes are slated for alum treatments this year.

Invasive plants aside, local residents like Julie Olsen are happy that pea soup in Bass Lake will soon be a thing of the past.

"I expect it to be more clear, probably the most clear that I've ever seen it," said Olsen. "We'll have to have a celebration."

About the author

Daniel Ackerman

- Science Communication Fellow | Water Main

Daniel Ackerman joined the Water Main team in 2019 as a science communication fellow.