







## BOARD OF DIRECTORS MEETING AGENDA

7:00 PM October 26<sup>th</sup>, 2022

Vadnais Heights City Hall, Council Chambers; 800 County Road E, East, Vadnais Heights

- I. **Call to Order**, Chair, Jim Lindner
- II. **Approval of Agenda**
- III. **Approval of Board Meeting Minutes dated 8/23/22.**
- IV. **August Visitors and Presentations**
  - A. October TEC report to BOD and financial – Phil Belfiori **Pg. 11**
  - B. Watershed Action Volunteers 2022 summary – Katherine Doll Kanne/Nick introduction **Pg. 21**
- V. **Consent Agenda** 
  - A. Consider website update scope agreement **Pg. 23**
  - B. Annual awards update **Pg. 25**
  - C. Wilkinson Project update **Pg. 26**
  - D. University of Minnesota Community-engaged learning fall semester update **Pg. 27**
  - E. MN DNR watershed visits update **Pg. 28**
  - F. Birch Lake turion survey update **Pg. 29**
- VI. **Business**
  - A. **Administration**
    1. Open public meeting for purposes of receiving public comment on the watershed plan minor amendment- Dawn (5mins.) **Pg. 31 (VI. A. 1 & 2)**
    2. Consider watershed plan minor amendment, Resolution 08-2022 – Dawn (10 mins.) 
    3. Consider approval of storm sewer utility certification lists for 2023, Resolution 09-2022-Phil (5 mins.)  **Pg. 59**
    4. Consider VLAWMO General Engineering Services for 2023 and 24-Phil (10 mins.)  **Pg. 65**
  - B. **Projects**
    1. Consider AFP #1 & AFP #2 payment to Peterson for Biochar Project- Brian (10 mins.)  **Pg. 73**
  - C. **WCA**
    1. Consider Polar industry WCA replacement plan – Brian (5 mins.)  **Pg. 77**
- VII. **Discussion**
- VIII. **Administration Communication**
- XI. **Adjourn: Next regular meeting: December 14, 2022**

**Intentional blank page**

MINUTES OF THE BOARD OF DIRECTORS – August 24, 2022 REGULAR BOARD MEETING

Attendance		Present	Absent
Jim Lindner, Chair	City of Gem Lake	x	
Tom Watson	City of North Oaks		X*
Rob Rafferty	City of Lino Lakes	x	
Ed Prudhon	White Bear Township	x	
Dan Jones, Vice Chair	City of White Bear Lake	x	
Patricia Youker, Secretary-Treasurer	City of Vadnais Heights	x	
Phil Belfiori	Administrator	x	
Brian Corcoran	Water Resources Mgr.	x	
Dawn Tanner	Program Development Coord.	x	
Nick Voss	Education & Outreach Coord.	x	
Lauren Sampedro	Watershed Tech & Program Coord.	x	

\*= with prior notice

**Others in attendance:**

Paul Duxbury, VLAWMO TEC

**I. Call to Order**

The meeting was called to order at 7:02 pm by Chair Lindner.

**II. Approval of Agenda**

The agenda for the August 24, 2022 Board meeting was presented for approval.

A motion was made by Director Jones and seconded by Director Youker to approve the August Board meeting agenda.

Vote: All aye. Motion passed.

**III. Approval of Minutes**

The minutes from the June 22, 2022 Board meeting were placed on the agenda for approval, as presented. No comments from the Directors.

A motion was made by Director Youker and seconded by Chair Lindner to approve the June 2022 Board meeting minutes. Vote: Youker: aye, Lindner: aye, Rafferty: abstain, Jones: abstain, Prudhon: abstain. Motion passed.

**IV. Visitors and Presentations**

**A. TEC Report and Financial Report**

Commissioner Duxbury described the August 2022 TEC report to the Board of Directors as included in the August Board packet.

**Discussion:** Director Rafferty inquired about a reference point for how many carp are in the lake compared to the 21,000 lbs that were harvested from Pleasant Lake. Tanner explained that the

21,000 is ~1000 fish. There are currently two estimates for the carp population in Pleasant Lake. One is 273 (note that this is corrected from the statement made by Tanner at the meeting) kg/ha of carp in the lake, which comes to ~130,000 lbs. Tanner noted that 130,000 pounds of carp were harvested in a commercial harvest prior to the current removal effort (~10-20 years ago). The lake had far less vegetation at that time. She said that because the vegetation is healthy in the lake we suspect that the first estimate was high compared to the amount of carp currently in the lake. The second estimate was lower and put an upper goal for harvest at ~1000 fish. This estimate was done as part of WSB's winter effort and included an abbreviated protocol, which is likely a low estimate. A post-harvest estimate is currently scheduled for late summer/early fall to provide an updated biomass estimate. This will help guide the goals for pounds to remove in 2023.

**B. Public Visitors – non-agenda items**

None.

**V. Consent Agenda**

Chair Lindner asked if any Board members wished to speak on any of the consent agenda items; (none).

Consent agenda items on the agenda and included in the August Board packet were as follows:

- A. Consider solicitation for bi-annual engineering services for 2023/24 🐦
- B. Consider City of Vadnais Heights WCA application 🐦
- C. Consider MAWD request for 2023 resolutions 🐦
- D. Consider review of MAWD draft strategic plan 🐦
- E. Project updates
  - 1. Birch EWM update
  - 2. East Goose ALM update
  - 3. Wilkinson BMP update
  - 4. Pleasant Lake carp update

A motion was made by Director Prudhon and seconded by Director Youker to approve the consent agenda. Vote: Lindner: aye, Youker: aye, Rafferty: aye, Jones: aye, Prudhon: aye. Motion passed.

**VI. Business**

- A. Consider contract with Peterson Companies for construction of Biochar Project and consider amended scope for SEH project inspection services: Res. 06-2022 🐦

Corcoran outlined the bid process that occurred in July 2022. Two quotes were received and reviewed by VLAWMO staff and SEH, with the bid recommendation determined as Peterson Companies on August 11<sup>th</sup>. Corcoran summarized the bidding process noting that the contract and scope of services are included in this month's Board packet, and that they were first drafted at the February 23, 2022 Board meeting. Funding for the effort comes from MPCA 319 grant funds, BWSR Watershed-based Implementation Funding, and the approved 2022 VLAWMO budget.

Staff request the approval of the following Board actions:

1. Approve awarding of the contract for the Biochar project at Whitaker Pond to Peterson Companies Inc. for the construction price of \$132,350;
2. Authorize SEH to sign and transmit the Notice of Award, and Administrator to sign the construction contract and issue the Notice to Proceed on advice of SEH and Counsel and when prerequisites for issuance has been met by the contractor;
3. Authorize Administrator to sign change orders increasing the contract price in an aggregate net amount not exceeding 15 percent of the contract price (\$19,852); and
4. Approve the attached construction and observation amendment in the amount of \$4,000 to the 2-4-2022 SEH scope of services agreement.

**Discussion:**

Director Youker asked if VLAWMO has used Peterson Companies in the past, and whether the construction difficulties from the 2021 Lambert Lake Pond and Meander project are also a concern for the Whitaker biochar project. Corcoran responded that VLAWMO has not contracted with Peterson Companies in this way, but they have done this type of work for other cities and have provided general consulting information for VLAWMO in the past. Tanner provided that the construction for the Whitaker biochar is different due to it not requiring frozen wetland soils to be constructed. The weather and temperature factors have more flexibility for the Whitaker biochar than they did for the Lambert Lake Pond and Meander project.

Director Rafferty provided that Peterson and Co. has completed successful projects in Lino Lakes.

Prudhon inquired if there's a consequence in place for the project to be completed by the deadline outlined in the contract. Corcoran and Belfiori noted that they will seek advisement from Counsel per the proposed resolution language and provided necessary elements in the contract language.

A motion was made by Director Rafferty and seconded by Director Jones to approve Resolution 06-2022:

Vote: Lindner: aye, Rafferty: aye, Jones: aye, Prudhon: aye, Youker: aye. Resolution passed.

**Resolution 06-2022**

Of the Vadnais Lake Area Water Management Organization (VLAWMO)

**Approving award of contract for Biochar Project (Project) ; approve the notice of award; authorizes the VLAWMO Administrator to sign contract upon receipt from contractor; authorize project construction contingency and approve construction observation agreement with SEH**

Resolution 06-2022 was moved by Director Rafferty and seconded by Director Jones:

**Whereas**, the Board of the Vadnais Lake Area Water Management Organization (the “Board”) is proceeding with the Lambert Lake VLAWMO Bacteria, Sediment, and Nutrient Reduction Project as agreed upon in the grant and loan contracts agreed upon and signed with MPCA in 2019;

**Whereas**, the Board of the VLAWMO has received a grant from the MN Board of Water and Soil Resources to implement a subwatershed improvement Project which as been targeted for a water quality improvement project in the Lambert Creek subwatershed;

**Whereas**, the Biochar Project are referenced as “Whitaker Pond Improvement Project” in the formal request for quotes, plans and project specification;

**Whereas**, the Board has reviewed the plans and a summary of specifications during the June, 2022, Board meeting; authorized solicitation of quotes for Project during the June 2022, Board meeting;

**Whereas**, in accordance with applicable legal requirements, VLAWMO solicited quotes from six contractors for the construction of the Project on June 29, 2022. Staff received two quotes for project construction on July 21, 2022.

**Whereas**, S.E.H has submitted a recommendation of award memorandum dated August 11, 2022 in which identified that they reviewed the two quotes received and issued a recommendation to hire Peterson Companies, Inc. in the lump sum amount of \$132,350. In this same memo SEH also recommended a 15% contingency available to cover unforeseen conditions during construction in the amount of \$19,852.

**Whereas**, staff also recommends approval of the SEH scope amendment for construction observation services for the amount of \$4,000

**Therefore** be it resolved that the VLAWMO Board:

1. Approve awarding of the contract for the Biochar project at Whitaker Pond to Peterson Companies Inc. for the lump sum construction price of \$132,350;
2. Authorize SEH to sign and transmit the Notice of Award, and Administrator to sign the construction contract and issue the Notice to Proceed on advice of SEH and Counsel and when prerequisites for issuance has been met by the contractor;
3. Authorize Administrator to sign change orders increasing the contract price in an aggregate net amount not exceeding 15 percent of the contract price (\$19,852); and
4. Approve the attached construction and observation amendment in the amount of \$4,000 to the Feb. 4, 2022 SEH scope of services agreement.

The question was on the adoption of the resolution and there were \_\_ yeas and \_\_ nays as follows:

	<u>Yea</u>	<u>Nay</u>	<u>Absent</u>
<i>Dan Jones</i>	X	<input type="checkbox"/>	<input type="checkbox"/>
<i>Ed Prudhon</i>	X	<input type="checkbox"/>	<input type="checkbox"/>
<i>Rob Rafferty</i>	X	<input type="checkbox"/>	<input type="checkbox"/>
<i>Tom Watson</i>	<input type="checkbox"/>	<input type="checkbox"/>	X
<i>Patricia Youker</i>	X	<input type="checkbox"/>	<input type="checkbox"/>

Jim Lindner

X

\_\_\_\_\_ Board Chair Date

\_\_\_\_\_ Attest Date

**B. Consider authorizing local/agency review of minor watershed plan amendment** 

Tanner explained that one of the reasons for completing a plan amendment now is that VLAWMO has completed all of the projects outlined on the current budget table and the projects need to be updated to support future grant eligibility. VLAWMO strives to complete the minimal amount of changes to the plan while remaining eligible for grants as projects are selected for implementation by partners. A more thorough overhaul to the Plan will begin in 2024.

VLAWMO staff requested that the Board authorize the proposed changes and updates to the Plan and authorize staff to begin the notification, review, and comment process as detailed by BWSR.

Pending comments from review authorities, it is anticipated that a required public meeting will be noticed and held as required by BWSR and that the Board will consider the final version of the amended Plan later in 2022.

**Discussion:**

None

A motion was made by Director Jones and seconded by Director Youker to authorize the proposed changes and updates to the Plan and authorize staff to begin the notification, review, and comment period, as specified by BWSR. Vote: Lindner: aye, Rafferty: aye, Prudhon: aye, Jones: aye, Youker: aye. Motion passed.

**C. Consider SSU rates for 2023: Resolution07-2022** 

Administrator Belfiori introduced the proposed utility rates for 2023. The approved 2023 budget provides that there’s a roughly 6.6% increase for 2023. He also presented a comparison with other watersheds in the vicinity.

The timeline moving forward is to identify any changes in the database to accommodate 2023 rates from August-October. The October 2022 Board meeting will include a full list of parcels to be certified for the Board’s consideration.

**Discussion:**

Chair Lindner commented that VLAWMO utility rates are consistently below the neighboring entities.

A motion was made by Director Rafferty and seconded Director Jones to approve resolution 07-2022. Vote: Rafferty aye, Prudhon: aye, Youker: aye, Lindner: aye, Jones: aye. Resolution passed.

**RESOLUTION NO. 07-2022  
Of the Vadnais Lake Area Water Management Organization (VLAWMO)**

**A RESOLUTION APPROVING THE STORMSEWER UTILITY RATES FOR 2023.**

**Resolution 07-2022 was moved by Director Rafferty and second by Director Jones.**

WHEREAS, the 2023 Budget of the Vadnais Lake Area Water Management Organization (VLAWMO) has been approved by the VLAWMO Board of Directors and

WHEREAS, Storm Sewer Utility (SSU) Rule of the Vadnais Lake Area Water Management Organization, has been applied to the properties within the boundary,

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF THE VADNAIS LAKE AREA WATER MANAGEMENT ORGANIZATION, The SSU Rates for 2023 will be as follows:

<b>Classification</b>	<b>Total Amount</b>	<b>R. E. F.</b>	<b>Rate</b>
<b>Residential 1-3 Units</b>	<b>\$641,051.40</b>	<b>1.00</b>	<b>\$61.80/ Unit</b>
<b>Residential 4 or more Units</b>	<b>\$42,050.27</b>	<b>2.72</b>	<b>\$89.64/ Acre</b>
<b>Commercial</b>	<b>\$158,932.47</b>	<b>4.23</b>	<b>\$89.64/ Acre</b>
<b>Industrial</b>	<b>\$136,784.48</b>	<b>3.30</b>	<b>\$89.64/ Acre</b>
<b>Institutional</b>	<b>\$92,743.03</b>	<b>3.30</b>	<b>\$89.64/ Acre</b>
<b>Golf Courses</b>	<b>\$14,742.16</b>	<b>0.74</b>	<b>\$89.64/ Acre</b>
<b>Agricultural</b>	<b>\$10,457.93</b>	<b>0.25</b>	<b>\$89.64/ Acre</b>
<b>Vacant Land</b>	<b>\$0</b>	<b>Exempt</b>	<b>\$0.00</b>
<b>Road/Railroad ROW</b>	<b>\$0</b>	<b>Exempt</b>	<b>\$0.00</b>
<b>Wetland/Public Waters</b>	<b>\$0</b>	<b>Exempt</b>	<b>\$0.00</b>
<b>Other Exempt</b>	<b>\$0</b>	<b>Exempt</b>	<b>\$0.00</b>
<b>Totals</b>	<b>\$1,096,761.74</b>		

The question was on the adoption of the resolution and there were \_\_ yeas and \_\_ nays as follows:

	<u>Yea</u>	<u>Nay</u>	<u>Absent</u>
<i>Dan Jones</i>	X	<input type="checkbox"/>	<input type="checkbox"/>
<i>Ed Prudhon</i>	X	<input type="checkbox"/>	<input type="checkbox"/>
<i>Rob Rafferty</i>	X	<input type="checkbox"/>	<input type="checkbox"/>
<i>Tom Watson</i>	<input type="checkbox"/>	<input type="checkbox"/>	X
<i>Patricia Youker</i>	X	<input type="checkbox"/>	<input type="checkbox"/>



*Jim Lindner*

X

\_\_\_\_\_ Board Chair Date

\_\_\_\_\_ Attest Date

**D. Consider spent lime feasibility study for Oak Knoll Pond partnership MOU with City of WBL **

Belfiori provided a background on spent lime research that was conducted at the Ash Street pond in Lino Lakes in 2021. The next stage in that research is to pursue transition to a larger pond to research in an incremental approach the new spent lime technology for water quality improvement. It is proposed by the engineering partners to transition from the Ash Street pond study to the larger Oak Knoll Pond in White Bear Lake. Belfiori explained that before this study is to continue, landowner and site access assessments are to occur. A request to move forward for implementation would be brought to the Board in 2023 if the project is deemed feasible by the Engineer as a result of this study. Tonight’s request is to authorize a scope of work for this feasibility study and a MOU with the City of White Bear Lake to split the cost of study development.

Director Jones inquired as to what the source of water is into Oak Knoll Pond. Belfiori responded that the pond is primarily fed by stormwater and receives little to no groundwater input. Director Jones asked where the pond drains to and Belfiori responded that it drains into East Goose Lake to the north. Director Jones also inquired as to how spent lime was proposed as an alternative alum treatment. Belfiori responded that research on things such as pH, biology, chemistry, and duration of benefit are still underway, and that this study will assist in that understanding. Director Jones asked about the potential for cost savings compared to alum treatment due to the wide availability of spent lime. Belfiori responded that alum as a raw mineral is increasing in cost over the last several years. The potential exists; however engineering and labor costs would still remain, thus an accurate cost savings estimate isn’t available at this time.

Chair Lindner commented that this is a first step in understanding how the project works.

Director Prudhon asked whether there’s any recreational restrictions after a spent lime treatment is applied. Belfiori responded there are no restrictions to his knowledge, but project engineers recommended considering wind during the application to reduce carrying the spent lime to landowners’ nearby plants.

Director Rafferty asked whether there’s a cost to dispose of spent lime slurry at water treatment plants, Director Jones confirmed this is so.

**Discussion:**

A motion was made by Director Youker and seconded by Director Jones to approve the proposed scope of work for the spent lime project study and to approve the MOU in partnership with the City of White Bear Lake. Vote: Lindner: aye. Rafferty: aye, Prudhon: aye, Youker: aye, Jones: aye. Motion passed.

**VII. Discussion/Updates**  
None

**VIII. Administration Communication**

**Discussion:**  
None

**VII. Adjourn**

A motion was made by Director Rafferty and seconded by Director Jones to adjourn at 7:44 pm.  
Vote: all aye.

Minutes compiled and submitted by Nick Voss.

**TEC Report to the Board  
October 2022**

Programs & Projects	Effort Level	Completion Date	Comments				
	LOW						
	MED						
	HIGH						
<b>Projects</b>				<b>Administration &amp; Operation</b>			
319 Biochar		2022	Project construction has started, estimated completion 10.14.22	Audit		2022	work on record keeping continues as needed.
East Goose Lk Adaptive Mgmt.		2022-ongoing	Feasibility study has begun for Spent Lime study on Oak Knoll/Wood Lake pond. Beginning discussions on planning scope of work.	Budget		for 2023 budget	Staff working to prepare utility rates material for consideration at the October VLAWMO Board meeting
Public Ditch Maintenance		ongoing	Work continues on annual drainage report templates	Personnel /HR		ongoing	Staff continue to pursue professional development per their approved training plans.
MPCA 319 /Wilkinson Lake BMP		2021-24	Held kickoff meeting with Houston Eng. (Design engineer for project) and attended on site meeting to review in field conditions of project location. Houston is also conducting wetland delineation work on the site.	SSU		ongoing	Staff working to prepare utility rates material for consideration at the October VLAWMO Board meeting
Pleasant Lake Carp Management		2022-25	More than 15,000 pounds of invasive Common carp harvested by Carp Solutions as of 5/31/2022. Planning for the next 3 years of the project is underway.	Strategic /watershed planning		2022	Watershed plan amendment will be discussed at October TEC meeting and considered for approval at the October Board meeting
<b>Programs</b>							
City/Township MS4		Oct-Dec	Consultations complete with each municipality to design and create additional MS4 materials - material creation to continue into spring, 2023.	<b>FINANCIAL SUMMARY as of 10/1/2022</b>			
Education/Outreach		Oct-Dec	Communications planning surrounding North Oaks entrance raingarden with NOHOA, Vadnais/Sucker park restoration, Whitaker Biochar, and Wilkinson 319.	4M Account (1.10)	4M Plus (1.23)	Total	
Website		Oct -Nov	Scope of services received for website renovation, included for approval in October TEC packet and will also be brought to the VLAWMO October BOD meeting for approval.	\$228,915	\$326,222	\$555,137	
WAV		Oct -Nov	End of year summary and planning for 2023 meeting during late October. Continued efforts in completing the Wetland Health Evaluation Pilot Program with Tamarack Nature Center.				
Cost Share & BWSR WBIF		ongoing	Pollinator garden with White Bear Lake Area Historical Society recently completed through the Soil Health Grant Program. Several 2021 and 2022 grant awarded projects coming to a close. Planning a potential project with a Presbyterian Homes property. Submitted a WBIF budget request through eLINK for FY '22-23 funding; next step is BWSR approval and completion of a work plan.				
GIS		ongoing	working on Amelia Lake SLMR maps.				
Monitoring		ongoing	2022 season is complete, data processing.				
WCA		ongoing	administering WCA as needed.				

Budget Summary	Actual Expense YTD	2022 Budget amended	Remaining in Budget	% YTD
Operations	\$540,464	\$719,988	\$179,524	75%
CIP	\$244,640	\$496,600	\$251,960	49%
<b>Total</b>	<b>\$785,104</b>	<b>\$1,216,588</b>	<b>\$431,484</b>	<b>65%</b>

# VLAWMO TEC Oct 22: Finance Summary

Oct-22		Actual 10/1/22	Actual to Date	2022 Budget	2021 carry over/Grants	Remaining in Budget	2022 Available	Act vs. Budget
<b>BUDGET #</b>	<b>INCOME</b>							
<b>5.11</b>	Storm Water Utility	\$0	\$991,903	\$1,019,521	\$0	\$27,618	\$1,019,521	97%
<b>5.12</b>	Service Fees	\$200	\$300	\$200	\$0	(\$100)	\$200	150%
<b>5.13</b>	Interest + mitigation acct	\$1,112	\$4,863	\$1,500	\$0	(\$3,363)	\$1,500	324%
<b>5.14</b>	Misc. income - WCA admin & other	\$0	\$2,198	\$3,000	\$0	\$802	\$3,000	73%
<b>5.15</b>	Other Income Grants/ <u>loan</u>	\$0	\$62,879	\$324,500	\$0	\$261,621	\$324,500	19%
<b>5.16</b>	Transfer from reserves	\$0	\$0	\$192,367	\$133,751	\$326,118	\$326,118	0%
	<b>TOTAL</b>	<b>\$1,312</b>	<b>\$1,062,143</b>	<b>\$1,541,088</b>	<b>\$133,751</b>	<b>\$612,696</b>	<b>\$1,674,839</b>	<b>69%</b>
<b>EXPENSES</b>								
<b>3.1</b>	<b>Operations &amp; Administration</b>							
<b>3.110</b>	Office - rent, copies, post tel supplies	\$2,040	\$20,962	\$27,097	\$0	\$6,135	\$27,097	77%
<b>3.120</b>	Information Systems	\$1,300	\$17,652	\$25,865	\$0	\$8,213	\$25,865	68%
<b>3.130</b>	Insurance	\$0	\$9,136	\$7,210	\$0	(\$1,926)	\$7,210	127%
<b>3.141</b>	Consulting - Audit	\$0	\$7,896	\$8,191	\$0	\$295	\$8,191	96%
<b>3.142</b>	Consulting - Bookkeeping	\$0	\$0	\$1,500	\$0	\$1,500	\$1,500	0%
<b>3.143</b>	Consulting - Legal	\$0	\$565	\$5,000	\$0	\$4,435	\$5,000	11%
<b>3.144</b>	Consulting - Eng. & Tech.	\$0	\$19,003	\$30,000	\$14,000	\$24,997	\$44,000	43%
<b>3.150</b>	Storm Sewer Utility	\$7,710	\$11,222	\$14,000	\$0	\$2,778	\$14,000	80%
<b>3.160</b>	Training (staff/board)	\$0	\$8,060	\$12,500	\$0	\$4,440	\$12,500	64%
<b>3.170</b>	Misc. & mileage	\$527	\$2,629	\$6,300	\$0	\$3,671	\$6,300	42%
<b>3.191</b>	Administration - staff	\$45,216	\$328,491	\$391,400	\$0	\$62,909	\$391,400	84%
<b>3.192</b>	Employer Liability	\$11,601	\$96,136	\$114,425	\$0	\$18,289	\$114,425	84%
<b>3.2</b>	<b>Monitoring and Studies</b>							
<b>3.210</b>	Lake and Creek lab analysis	\$3,341	\$8,770	\$18,000	\$0	\$9,230	\$18,000	49%
<b>3.220</b>	Equipment	\$68	\$601	\$3,000	\$0	\$2,399	\$3,000	20%
<b>3.230</b>	Wetland assessment & management	\$0	\$0	\$15,000	\$0	\$15,000	\$15,000	0%
<b>3.240</b>	Watershed Plan Amendment	\$0	\$0	\$15,000	\$0	\$15,000	\$15,000	0%
<b>3.3</b>	<b>Education and Outreach</b>							
<b>3.310</b>	Public Education	\$305	\$1,141	\$6,000	\$0	\$4,859	\$6,000	19%
<b>3.320</b>	Marketing	\$0	\$5,827	\$17,500	\$0	\$11,673	\$17,500	33%
<b>3.330</b>	Community Blue Ed Grant	\$0	\$2,373	\$2,000	\$0	(\$373)	\$2,000	119%
<i>Total Core functions: Ops, Monitoring, Education</i>		<i>\$72,108</i>	<i>\$540,464</i>	<i>\$719,988</i>	<i>\$14,000</i>	<i>\$193,524</i>	<i>\$733,988</i>	<i>74%</i>
<b>Capital Improvement Projects and Programs</b>								
<b>3.4</b>	<b>Subwatershed Activity</b>							

3.410	Gem Lake	\$0	\$0	\$10,000	\$0	\$10,000	\$10,000	
3.420	Lambert Creek	\$347	\$26,241	\$44,432	\$70,000	\$88,191	\$114,432	23%
3.421	Lambert Lake Loan	\$0	\$19,284	\$38,568	\$0	\$19,284	\$38,568	50%
3.425	Goose Lake	\$1,020	\$21,895	\$70,000	\$10,000	\$58,105	\$80,000	27%
3.430	Birch Lake	\$0	\$6,057	\$10,000	\$0	\$3,943	\$10,000	61%
3.440	Gilf Black Tam Wilk Amelia	\$7,359	\$46,679	\$93,500	\$12,000	\$58,821	\$105,500	44%
3.450	Pleasant Charley Deep	\$6,829	\$33,901	\$35,000	\$10,000	\$11,099	\$45,000	75%
3.460	Sucker Vadnais	\$0	\$5,618	\$41,500	\$0	\$35,882	\$41,500	14%
3.48	<b>Programs</b>							
3.480	Soil Health Grant	\$4,950	\$6,415	\$5,000	\$0	(\$1,415)	\$5,000	128%
3.481	Landscape 1	\$5,761	\$5,861	\$16,000	\$0	\$10,139	\$16,000	37%
3.482	Landscape 2/BWSR WBF	\$0	\$32,478	\$28,000	\$17,751	\$13,273	\$45,751	71%
3.483	Project Research & feasibility	\$0	\$0	\$0	\$0	\$0	\$0	#DIV/0!
3.485	Facilities Maintenance	\$1,378	\$40,211	\$102,600	\$0	\$62,389	\$102,600	39%
3.5	<b>Regulatory</b>							
3.510	Engineer Plan review	\$0	\$0	\$2,000	\$0	\$2,000	\$2,000	0%
	<i>Total CIP &amp; Program</i>	\$27,644	\$244,640	\$496,600	\$119,751	\$371,711	\$616,351	40%
	<b>Total of Core Operations &amp; CIP</b>	<b>\$99,752</b>	<b>\$785,104</b>	<b>\$1,216,588</b>	<b>\$133,751</b>	<b>\$565,235</b>	<b>\$1,350,339</b>	<b>58%</b>

Fund Balance	9/1/2022	10/1/2022
4M Account	\$310,491	\$228,915
4M Plus Savings	\$325,620	\$326,222
Total	\$636,111	\$555,137

Restricted funds	10/1/2022
Mitigation Savings	\$21,013
Term Series	\$500,000

**Vadnais Lake Area Water Management Organiz**  
**Profit & Loss**  
September 15 through October 12, 2022

8:24 AM

10/05/2022

Cash Basis

Sep 15 - Oct 12, 22

Ordinary Income/Expense	
Income	
5.1 · Income	
5.12 · Service Fees	200.00
5.13 · Interest	1,111.75
<b>Total 5.1 · Income</b>	<u>1,311.75</u>
<b>Total Income</b>	<u>1,311.75</u>
<b>Gross Profit</b>	<u>1,311.75</u>
Expense	
3.1 · Administrative/Operations	
3.110 · Office	
Copies	58.18
Phone/Internet/Machine Overhead	295.00
Postage	22.71
Rent	1,665.00
<b>Total 3.110 · Office</b>	<u>2,040.89</u>
3.120 · Information Systems	
IT Support	1,300.19
<b>Total 3.120 · Information Systems</b>	<u>1,300.19</u>
3.150 · Storm Sewer Utility	7,710.40
3.170 · Misc. & mileage	527.71
3.191 · Employee Payroll	
payroll	45,216.03
<b>Total 3.191 · Employee Payroll</b>	<u>45,216.03</u>
3.192 · Employer Liabilities	
Admin payroll processing	44.92
Administration FICA	3,339.86
Administration PERA	3,391.20
Insurance Benefit	4,825.58
<b>Total 3.192 · Employer Liabilities</b>	<u>11,601.56</u>
<b>Total 3.1 · Administrative/Operations</b>	<u>68,396.78</u>
3.2 · Monitoring and Studies	
3.210 · Lake & Creek lab analysis	3,341.06
3.220 · Equipment	68.08
<b>Total 3.2 · Monitoring and Studies</b>	<u>3,409.14</u>
3.3 · Education and Outreach	
3.310 · Public Education	305.16
<b>Total 3.3 · Education and Outreach</b>	<u>305.16</u>
3.4 · Capital Imp. Projects/Programs	
3.420 · Lambert Creek Restoration	
1 · LL grant \$302,679	347.54
<b>Total 3.420 · Lambert Creek Restoration</b>	<u>347.54</u>

3.425 · Goose Lake	1,020.00
3.440 · Gilfillan Black Tamarack Wilkin	
Wilkinson 319 grant 320705.50	7,359.85
	<hr/>
Total 3.440 · Gilfillan Black Tamarack Wilkin	7,359.85
3.450 · Pleasant Charley Deep	6,829.00
	<hr/>
Total 3.4 · Capital Imp. Projects/Programs	15,556.39
3.48 · Programs	
3.480 · Soil Health Grant	4,950.64
3.481 · Landscape 1 - cost-share	5,761.61
3.485 · Facilities & Maintenance	1,378.50
	<hr/>
Total 3.48 · Programs	12,090.75
	<hr/>
Total Expense	99,758.22
	<hr/>
Net Ordinary Income	-98,446.47
	<hr/>
Net Income	<b>-98,446.47</b>
	<hr/> <hr/>

**Vadnais Lake Area Water Management Organization**  
**Check Detail**

8:16 AM

10/05/2022

September 15 through October 12, 2022

Type	Num	Date	Name	Item	Account	Paid Amount	Original Amount
Check	eft	10/01/2022	Reliance Standard		Checking - 1987		-308.62
				Insurance Benefit		-91.50	91.50
				Insurance Benefit		-217.12	217.12
TOTAL						-308.62	308.62
Check	5423	10/12/2022	Lauren Sampedro		Checking - 1987		-80.00
				3.170 · Misc. & mileage		-80.00	80.00
TOTAL						-80.00	80.00
Check	5424	10/12/2022	Nicholas Voss		Checking - 1987		-32.50
				3.170 · Misc. & mileage		-32.50	32.50
TOTAL						-32.50	32.50
Check	5425	10/12/2022	Dawn Tanner		Checking - 1987		-51.25
				3.170 · Misc. & mileage		-51.25	51.25
TOTAL						-51.25	51.25
Check	5426	10/12/2022	Brian Corcoran		Checking - 1987		-214.38
				3.170 · Misc. & mileage		-214.38	214.38
TOTAL						-214.38	214.38
Check	5427	10/12/2022	City Of Roseville		Checking - 1987		-1,300.19
				IT Support		-1,300.19	1,300.19
TOTAL						-1,300.19	1,300.19
Check	5428	10/12/2022	Alison Keleher		Checking - 1987		-563.11
				3.480 · Soil Health Grant		-563.11	563.11
TOTAL						-563.11	563.11
Check	5429	10/12/2022	White Bear Lake Area Historical Society		Checking - 1987		-750.00
				3.480 · Soil Health Grant		-750.00	750.00
TOTAL						-750.00	750.00
Check	5430	10/12/2022	Rapit Printing		Checking - 1987		-305.16
				3.310 · Public Education		-305.16	305.16
TOTAL						-305.16	305.16
Check	5431	10/12/2022	Eric Biese		Checking - 1987		-750.00
				3.480 · Soil Health Grant		-750.00	750.00



TOTAL			-750.00	750.00
	<b>Check 5432</b>	<b>10/12/2022 Alex Tessem</b>	<b>Checking - 1987</b>	<b>-887.53</b>
			3.480 · Soil Health Grant	-887.53      887.53
TOTAL			-887.53	887.53
	<b>Check 5433</b>	<b>10/12/2022 Leslie Scherer</b>	<b>Checking - 1987</b>	<b>-1,000.00</b>
			3.480 · Soil Health Grant	-1,000.00      1,000.00
TOTAL			-1,000.00	1,000.00
	<b>Check 5434</b>	<b>10/12/2022 City of White Bear Lake</b>	<b>Checking - 1987</b>	<b>-56,508.97</b>
			payroll	-45,216.03      45,216.03
			Administration FICA	-3,339.86      3,339.86
			Administration PERA	-3,391.20      3,391.20
			Insurance Benefit	-4,516.96      4,516.96
			Admin payroll processing	-44.92      44.92
TOTAL			-56,508.97	56,508.97
	<b>Check 5435</b>	<b>10/12/2022 Houston Engineering, Inc</b>	<b>Checking - 1987</b>	<b>-8,738.35</b>
			Wilkinson 319 grant 320705.50	-7,359.85      7,359.85
			3.485 · Facilities & Maintenance	-1,378.50      1,378.50
TOTAL			-8,738.35	8,738.35
	<b>Check 5436</b>	<b>10/12/2022 RMB Environmental Laboratories, Inc.</b>	<b>Checking - 1987</b>	<b>-3,341.06</b>
			3.210 · Lake & Creek lab analysis	-751.41      751.41
			3.210 · Lake & Creek lab analysis	-789.53      789.53
			3.210 · Lake & Creek lab analysis	-124.15      124.15
			3.210 · Lake & Creek lab analysis	-751.41      751.41
			3.210 · Lake & Creek lab analysis	-173.15      173.15
			3.210 · Lake & Creek lab analysis	-751.41      751.41
TOTAL			-3,341.06	3,341.06
	<b>Check 5437</b>	<b>10/12/2022 wsb</b>	<b>Checking - 1987</b>	<b>-1,819.00</b>
			3.450 · Pleasant Charley Deep	-1,819.00      1,819.00
TOTAL			-1,819.00	1,819.00
	<b>Check 5438</b>	<b>10/12/2022 Innovative Office Solutions</b>	<b>Checking - 1987</b>	<b>-68.08</b>
			3.220 · Equipment	-68.08      68.08
TOTAL			-68.08	68.08
	<b>Check 5439</b>	<b>10/12/2022 Ramsey County - Plato</b>	<b>Checking - 1987</b>	<b>-4,330.40</b>
			3.150 · Storm Sewer Utility	-4,330.40      4,330.40
TOTAL			-4,330.40	4,330.40
	<b>Check 5440</b>	<b>10/12/2022 Ehlers &amp; Associates, Inc.</b>	<b>Checking - 1987</b>	<b>-3,380.00</b>

		3.150 · Storm Sewer Utility	-3,380.00	3,380.00
TOTAL			<u>-3,380.00</u>	<u>3,380.00</u>
	<b>Check 5441</b>	<b>10/12/2022 Ingrid Devries</b>		<b>Checking - 1987</b>
				<b>-1,000.00</b>
		3.480 · Soil Health Grant	-1,000.00	1,000.00
TOTAL			<u>-1,000.00</u>	<u>1,000.00</u>
	<b>Check 5442</b>	<b>10/12/2022 carp solutions</b>		<b>Checking - 1987</b>
				<b>-5,010.00</b>
		3.450 · Pleasant Charley Deep	-5,010.00	5,010.00
TOTAL			<u>-5,010.00</u>	<u>5,010.00</u>
	<b>Check 5443</b>	<b>10/12/2022 SEH</b>		<b>Checking - 1987</b>
				<b>-347.54</b>
		1 · LL grant \$302,679	-347.54	347.54
TOTAL			<u>-347.54</u>	<u>347.54</u>
	<b>Check 5444</b>	<b>10/12/2022 Press Publications</b>		<b>Checking - 1987</b>
				<b>-149.58</b>
		3.170 · Misc. & mileage	-149.58	149.58
TOTAL			<u>-149.58</u>	<u>149.58</u>
	<b>Check 5445</b>	<b>10/12/2022 Joe Coyne</b>		<b>Checking - 1987</b>
				<b>-4,921.61</b>
		3.481 · Landscape 1 - cost-share	-4,921.61	4,921.61
TOTAL			<u>-4,921.61</u>	<u>4,921.61</u>
	<b>Check 5446</b>	<b>10/12/2022 Laura Smith</b>		<b>Checking - 1987</b>
				<b>-840.00</b>
		3.481 · Landscape 1 - cost-share	-840.00	840.00
TOTAL			<u>-840.00</u>	<u>840.00</u>
	<b>Check 5447</b>	<b>10/12/2022 City of Vadnais Heights</b>		<b>Checking - 1987</b>
				<b>-2,040.89</b>
		Rent	-1,665.00	1,665.00
		Phone/Internet/Machine Overhead	-295.00	295.00
		Postage	-22.71	22.71
		Copies	-58.18	58.18
TOTAL			<u>-2,040.89</u>	<u>2,040.89</u>
	<b>Check 5448</b>	<b>10/12/2022 Barr Engineering Co</b>		<b>Checking - 1987</b>
				<b>-1,020.00</b>
		3.425 · Goose Lake	-1,020.00	1,020.00
TOTAL			<u>-1,020.00</u>	<u>1,020.00</u>

**Vadnais Lake Area Water Management Organization**  
**Custom Transaction Detail Report**  
 August 1 through October 1, 2022

12:07 PM  
 10/04/2022  
 Accrual Basis

	Type	Date	Num	Name	Memo	Account	Clr	Split	Amount	Balance
<b>Aug 1 - Oct 1, 22</b>										
	Credit Card Charge	08/01/2022		Google*SVCAPPS_VLAWM		US Bank CC	√	WEB	42.00	42.00
	Credit Card Charge	08/05/2022		Prairie Moon Nursery	seed	US Bank CC	√	4th & Otter project	114.00	156.00
	Credit Card Charge	08/09/2022		adobe *photography plan		US Bank CC	√	Software	9.99	165.99
	Credit Card Charge	08/12/2022		University of Minnesota	WRC Phil 2022	US Bank CC	√	3.160 · Training (staff/board)	325.00	490.99
	Credit Card Charge	08/12/2022		Amazon.com	micro usb - phil	US Bank CC	√	Hardware	17.97	508.96
	Credit Card Charge	08/12/2022		Prairie Moon Nursery	seed	US Bank CC	√	4th & Otter project	201.78	710.74
	Transfer	08/22/2022			Funds Transfer	US Bank CC	√	Checking - 1987	-264.68	446.06
	Credit Card Charge	08/26/2022		Adobe "Creative Cloud		US Bank CC	√	Software	32.20	478.26
	Credit Card Charge	09/02/2022		Google*SVCAPPS_VLAWM		US Bank CC	√	WEB	42.00	520.26
<b>Aug 1 - Oct 1, 22</b>									<b>520.26</b>	<b>520.26</b>

**Intentional blank page**

To: VLAWMO Board of Directors

From: Nick Voss

Date: October 26, 2022

**Re: IV. B. Watershed Action Volunteers 2022 summary**

Katherine Doll Kanne joined VLAWMO as a trained volunteer through the Minnesota Water Stewards program in 2019, facilitated by Freshwater Society and sponsored by the VLAWMO Watershed Action Volunteers (WAV).

Katherine will provide a brief powerpoint in the meeting outlining the successes in the VLAWMO WAV group in 2022. Highlights will include:

- Completion of the Good Neighbor Guide resource
- Renovation of the Saint Mary's of the Lake raingarden
- Public boothing/tabling
- Volunteer planting field day
- Facilitation of the Bridgewood Park raingarden open house

VLAWMO staff and Katherine will field any questions and provide a look at prospective volunteer efforts coming in 2023.

**Intentional blank page**

To: VLAWMO Board of Directors

From: Nick Voss

Date: October 26, 2022

**Re: V. A. Website update scope agreement**

VLAWMO staff have prepared a scope of services for a Phase 1 website renovation with existing web consultants HDR. The scope was approved at the October 12, 2022 TEC meeting to be recommended to the VLAWMO Board in October 2022. The scope outlined in phase 1 is valued at \$12,980. The outline of the services offered in this scope include:

- One homepage and five primary landing pages
- Event calendar
- Storymap embedding feature
- News feed and news page template
- Project page template and page list
- Waterbody page template and page list
- Board meeting template and page list
- Four template pages (to be developed and utilized among VLAWMO staff)
- Design mockup and staging site for testing
- Planning meeting, training, and support

For budget purposes, some tasks outlined in the summer '22 community website review survey have been delineated for a phase 2 that will occur at a later time.

Tasks and services intended for phase 2 include:

- Back-end file clean-up and development of file organization system
- Filterable photo gallery, file library, and web calendar
- Glossary

Please see the scope of services attached in the October 2022 BOD packet. The attached scope of services is pending legal review by legal professionals associated with VLAWMO and HDR. Any recommendations regarding legal language will be updated prior to the VLAWMO October 2022 Board meeting.

#### **Staff Recommendation**

Consistent with the TEC recommendation to the Board at their Oct. 12 meeting, Staff recommends approval of agenda item V. A.– approval of Website Renovation Scope of Services with HDR with non material changes and upon advice of legal council.

### Proposed Motion

Moved by \_\_\_\_\_ and seconded by \_\_\_\_\_ to approve agenda item V. A.–  
Website Renovation Scope of Services with HDR with non material changes and  
upon advice of legal council.

### Attachment Link:

Agreement with HDR and attached scope or work

[https://www.vlawmo.org/index.php/download\\_file/4156/](https://www.vlawmo.org/index.php/download_file/4156/)



To: VLAWMO Board of Directors

From: Nick Voss

Date: October 26, 2022

**Re: V. B. Annual watershed awards**

The nomination period for the 2022 watershed awards opens on the day of the September TEC meeting. Nomination forms (download and online) as well as examples of past recipients can be found at [vlawmo.org/get-involved](http://vlawmo.org/get-involved).

The nomination period closes on November 2, 2022 at 12 pm.

There are two categories for nomination:

- Watershed Steward Award (volunteers, residents, businesses)
- Watershed Partner Award (city, township, or county/municipal partners).

Self-nominations are accepted and nominations may be made anonymously. Past year nominations that weren't selected as recipients are still valid for re-nomination in 2022.

Nomination forms and more information are found at:

<https://www.vlawmo.org/get-involved/awards/>

Thank you for helping us showcase the fabulous watershed leadership we see on a regular basis in our community.

To: VLAWMO Board of Directors

From: Dawn Tanner

Date: October 14, 2022

**Re: V. C. Wilkinson BMP update**

Houston Engineering, Inc. continues work on modeling and design for this project, following obtaining survey data in the field late this summer. Wetland delineation work is underway. Work with permitting authorities will resume during fall 2022.

To: VLAWMO Board of Directors

From: Dawn Tanner

Date: October 14, 2022

**Re: V. D. UMN CEL fall semester update**

VLAWMO staff presented to 2 University of Minnesota classes this fall (Ethics in Natural Resources and English: Nature Writing) about VLAWMO projects and CEL opportunities working with us on restoration efforts. We have a cohort of 10 students for fall semester. Students meet with VLAWMO staff on Fridays and experience a range of activities including, seed collection, site prep, invasive species removal, bare-root planting, and the students recently attended the Cooperative Weed Management Area (CWMA) meeting to learn more about county-wide invasive species control and habitat restoration efforts. As part of that meeting, they saw a demonstration of the “green climber,” which is a new remote-controlled forestry mower that the City of St. Paul is using to accelerate their woody invasive species removal efforts.

<p>Students learning about control functions and care for the green climber</p>	<p>The green climber in action, cutting woody vegetation along the stream in an area that is being targeted for a shoreline restoration</p>
	

To: VLAWMO Board of Directors

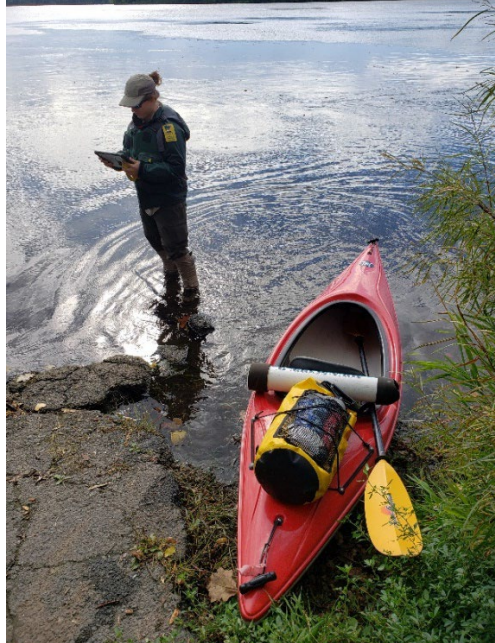

From: Dawn Tanner

Date: October 14, 2022

**Re: V. E. MN DNR watershed visits**

MN DNR/Biological Survey visited the watershed during September to update species of conservation concern reports and update the Natural Heritage Information System (NHIS) inventory. Specifically, DNR collected Water willow specimens from Amelia and Deep Lake. These specimens are vouchers to support the NHIS entries. They will be catalogued and become part of the Bell Museum Herbarium collections. MN DNR is also interested in better understanding the distribution of less common aquatic plants and macrophytes. VLAWMO staff provided aquatic macrophyte surveys completed in the watershed for Amelia, Deep, Wilkinson, Charley, and Pleasant Lakes. Bearded nitella is a macroalga (looks like a plant but does not have roots, stems, and leaves) that is uncommon in MN. MN DNR collected specimens of Bearded nitella on Amelia, Wilkinson, Deep, and Pleasant Lakes. Specimens will be included in the herbarium and are going to be part of an upcoming research article documenting the distribution of Bearded nitella in the Midwest. Prior to the DNR visit, Bearded nitella was only known in ~20 locations in MN.

Metro Fisheries was also active in the watershed in Sept. They stocked walleye fry in East Goose Lake again this spring and conducted follow-up trap net surveys to see if fry survived.

<p>MN DNR conducting survey work on Pleasant Lake</p>	<p>Bearded nitella, an uncommon species in MN, is the focus of a current research project and forthcoming article documenting its distribution</p>
	



To: VLAWMO Board of Directors

From: Dawn Tanner

Date: October 14, 2022

**Re: V. F. Birch Lake invasive species sediment survey (Curly-leaf pondweed turions) with**

**RCSWCD:** Following up on the detection of invasive Curly-leaf pondweed on Birch Lake this summer, VLAWMO and RCSWCD staff conducted a turion survey on Birch Lake. Turions are wintering buds that becomes detached from Curly-leaf pondweed plants and remain dormant at the bottom of the lake until conditions are right for growth. Turions move with the water currents, before settling on the bottom, so they can spread Curly-leaf pondweed quickly in a lake. So far, it appears that the Curly-leaf pondweed infestation is in early stages and confined to localized areas in Birch Lake. We'll be continuing our invasive species work with BLID, MN DNR, and RCSWCD, as we work toward early eradication of this newly established plant pest.

<p>RCSWCD staff setting the Ekman dredge to collect a sample of lake sediment to check for turions</p>	<p>The sample is deposited onto the screen. Turions are large enough that they will not pass through and can be easily detected by sifting through the sediment sample. No turions were detected during this sampling effort. Only a few plants have been found so far. Those will be targeted for removal during the year 2 EWM/CLP removal effort on Birch Lake.</p>
	

**Intentional blank page**

To: VLAWMO Board of Directors

From: Dawn Tanner

Date: October 14, 2022

**Re: VI. A. 1 and 2, Watershed plan minor amendment;  
Hold public meeting first, and then Consider watershed plan minor amendment**

**1. Hold required public meeting on proposed Plan minor amendment**

As required in Minnesota Rule 8410.0140, the first step for the VLAWMO Board related to this agenda item is to open and hold a “public meeting to explain the amendments”. At the October 26th meeting, staff will request that: 1) the Board chair open a public meeting for purposes of receiving any public comments on the proposed plan amendments pursuant to MR 8410.0140, and then 2) staff will provide a short presentation to explain the amendments, and then 3) staff will then request the Board Chair ask if any member of the public wishes to make comment.

**2. Minor Watershed Management Plan Amendment:**

The abridged updated amendment (pg. 53-65) is included in the packet with the 2 additions received since the August Board meeting.

View the complete amended plan document here:

[https://www.vlawmo.org/index.php/download\\_file/4145/](https://www.vlawmo.org/index.php/download_file/4145/)

The request for comment by reviewing entities ended on Sept. 25. VLAWMO received “no comment” email and letter responses from MPCA (represented by Brittany Faust), MDA (represented by Jeffrey Berg), and the Metropolitan Council (represented by Maureen Hoffman). VLAWMO received 3 comments from the City of White Bear Lake (represented by Connie Taillon). Two of those comments have been implemented into the current amendment draft for TEC and Board. The third comment will be included in the next full plan update. The amendment attachment included in the packet shows all comments received.

VLAWMO received a formal notification from BWSR (represented by Michelle Jordan) that BWSR has accepted the amendment content and considers the amendment to be minor. The letter from BWSR is included in the attached responses.

VLAWMO noticed the required public meeting in the Oct. 5 and 12 issues of the Vadnais Heights and White Bear Lake Press Publications. The public meeting will be held at the beginning of the Oct. 26, 2022, regular Board meeting.

The TEC recommended the amendment with the requested changes to the Board at the Oct. 12, 2022, meeting.

**Requested Action:** VLAWMO requests that the Board authorize Resolution 08-2022 and authorize staff to notify review authorities and post the accepted amendment on the VLAWMO website, as directed by BWSR.

**Attachments:**

- 1: Powerpoint – for public meeting presentation
- 2. VLAWMO CWMP Minor Amendment- abridged (pg. 53-65)
- 3: BWSR Minor Amendment Determination & Approval Letter dated Sept. 30
- 4: Review Authority Comments from MPCA, MDA, Met. Council and City of White Bear Lake
- 5: Resolution 08-2022



# Agenda item VI. A. 1 and 2

## Public meeting and Consideration CWMP Minor amendment

Attachment 1

**Dawn Tanner, Phil Belfiori, Lauren Sampedro**  
**Board Meeting**  
**10/26/2022**



## Hold required public meeting



- As required in Minnesota Rule 8410.0140, the first step for the VLAWMO Board related to this agenda item is to open and hold a “public meeting to explain the amendments”.

### Steps in Public Meeting:

1. Board chair open a public meeting for purposes of receiving any public comments on the proposed plan amendments pursuant to MR 8410.0140
2. Staff will provide a short presentation to explain the amendments
3. Board Chair ask if any member of the public wishes to make comment?

*Vadnais Lake Area Water Management Organization*

## Minor amendment



VLAWMO is updating the Plan to:

1. Incorporate 2 updated policies that were authorized by the Board during 2022
2. Update project table and subwatershed project descriptions for accuracy in later years of the plan
3. Remain eligible for grants for possible projects included in the budget table and subwatershed descriptions (a requirement for BWSR)

*Vadnais Lake Area Water Management Organization*

## Minor amendment



- Requested changes in amendment brought to TEC and Board in August
- Proposed amendment provided to agencies for review and comment period (ended Sept. 25)
- Abridged Plan document with red-lined changes provided, as per BWSR requirements.  
Full plan document viewable online: [https://www.vlawmo.org/index.php/download\\_file/4104/](https://www.vlawmo.org/index.php/download_file/4104/)

*Vadnais Lake Area Water Management Organization*

## Review and comment



- VLAWMO sent amendment to the plan review authorities for review and comment allowing at least 30 days for receipt of comments; comments sent to VLAWMO with BWSR cc'd
- No comment was received from:
  - MPCA, MDA, Metropolitan Council
- 3 comments were received from the City of White Bear Lake (2 included and the remaining 1 will be incorporated with the next major Plan update)
  - Page 45: City of WBL added as potential partner for Gem Lake subwatershed projects
  - Page 46: Added "Assess potential for stormwater management projects that coincide with road reconstruction projects or are identified as optimal retrofit and restoration opportunities." to Lambert Subwatershed Targeted Activities
- BWSR board has agreed that the amendment is minor (provided in packet)
- The TEC has recommended the updated amendment to the Board for authorization (Oct. 12)

*Vadnais Lake Area Water Management Organization*

## Public meeting



- VLAWMO holds a public meeting (during Oct. 26 regular Board meeting) to allow comments from the public
- Legal notice of the meeting is being completed at least 7 and 14 days before the date of the meeting
  - Legal notice in the WBL and VH Press Pubs on Oct. 5 and Oct. 12

*Vadnais Lake Area Water Management Organization*

## Public meeting



Any member of the public wish to make comment?

*Vadnais Lake Area Water Management Organization*

## Final steps



- Following tonight's meeting, amendment will be adopted, notice shared with review authorities, and the amended Plan will be posted on the VLAWMO website

*Vadnais Lake Area Water Management Organization*

## Requested Board action



VLAWMO staff request that the Board adopt Resolution 08-2022, and authorize staff to provide pages with changes to review authorities and post the updated Plan on the VLAWMO website as required by BWSR.

*Vadnais Lake Area Water Management Organization*

## 4 SUBWATERSHED ACTIVITIES

### INTRODUCTION

This chapter provides a list of specific activities planned for each of the VLAWMO subwatersheds (identified in Figure 4). For each subwatershed, there is a table which identifies the water resources VLAWMO actively manages and includes a management classification, along with any correlating issues or constraints and potential partners for programs and projects.

There are three management classifications for the waterbodies:

**Restore** – for waterbodies which have threatened or impaired water quality, such as those listed on the Impaired Waters List. These may have more involved studies or projects planned in order to meet state standards.

**Protect** – for waterbodies that currently meet state standards. Activities will be focused on protecting the water quality and preventing degradation.

**Monitor** – for waterbodies that are meeting state standards or are trending towards meeting state standards. All waterbodies are monitored as part of VLAWMO’s core activities. If a waterbody is given this classification, it is meant to represent that VLAWMO will be carefully considering the water quality data to determine if future actions are needed for those that are close to the state standards.

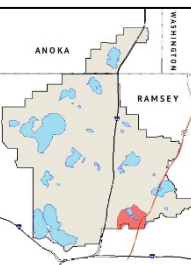
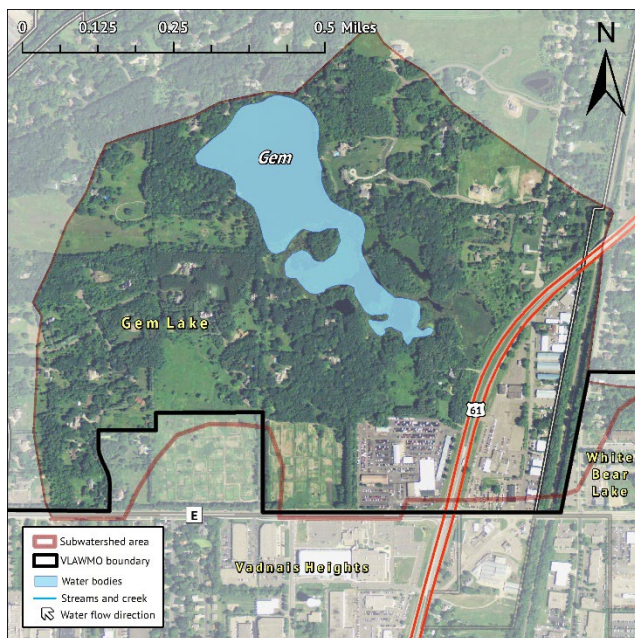
Waterbodies may have more than one management classification. These classifications serve as a guide for what activities may need to be implemented.

The activities identified are for those outside of the watershed-wide core activities described in Chapter 3. Note that in this Chapter, the Lambert Creek subwatershed has been subdivided further to separate out the Goose Lake drainage area. The Goose Lake drainage area requires significant effort to meet the water quality goals for the 2 basins and there are numerous activities planned over the next 10 years, which justified the creation of its own activity page.

The action steps presented in this section are a starting point for implementation of programs and projects to achieve goals. Funding for some activities will require assistance from grants and/or partner contribution. VLAWMO staff will communicate with relevant stakeholders for each subwatershed regularly to coordinate implementation of projects and programs in each subwatershed. Annual reviews will determine if changes to activities are necessary.

More information about the waterbodies is available in Appendix B of this Plan and on the VLAWMO website.

## 4.1 GEM LAKE SUBWATERSHED



Gem Lake is currently impaired for nutrients, but may be removed from the Impaired List by 2020 based on current monitoring data which shows it has met the nutrient standard for shallow lakes between 2010 and 2014. The lake has no public access and there are imposed buffers for all properties around the lake. Studies indicate no curly leaf pondweed or rough fish. If water quality data indicates an increase in nutrients, another fish survey may be completed to determine if rough fish are now present and/or expanded water sampling and biotic studies may occur to better ascertain sources of nutrients.

Water Resource	Gem Lake
Management Classification	Monitor/Protect
Issues or Constraints	Impaired for nutrients (may be removed from Impaired List)
Potential Partners	City of Gem Lake, MnDOT, Ramsey County, <a href="#">City of White Bear Lake</a>

### Monitoring:

- Complete fish, bathymetric and vegetation surveys when the SLMP is updated (2024).
- If water quality data shows degradation, pursue another fish survey to determine if rough fish are now present and expand monitoring to better characterize watershed loadings.

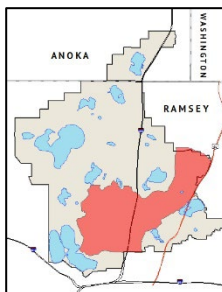
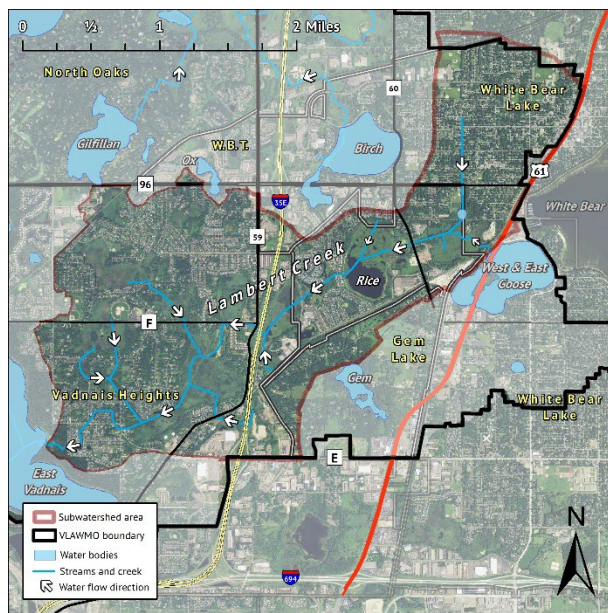
### Education and Outreach:

- Support septic system management by passing information on programs through to landowners interested testing, maintaining, or upgrading their systems.
- Support evolution of a lake association as interest arises.

### Capital Projects and Programs:

- Work with the Cities of Gem Lake and White Bear Lake to discuss stormwater management and retrofit opportunities ~~with future redevelopment of properties along Hoffman Road~~. Evaluate cost and benefit of stormwater BMPs and prioritize for implementation accordingly. Pursue implementation with partners when feasible within budget constraints.

## 4.2 LAMBERT CREEK SUBWATERSHED TARGETED ACTIVITIES



Lambert Creek flows through the southern portion of VLAWMO. It starts at Goose Lake and its tributaries include storm sewers from the City of White Bear Lake, City of Vadnais Heights, and White Bear Township. VLAWMO has implemented a bacterial source study to better assess where efforts should be placed to reduce *E.coli* levels in the creek. VLAWMO is also interested in continuing to implement projects to protect the stream banks and prevent erosion.

Water Resource	Lambert Creek
Management Classification	Restore/Protect
Issues or Constraints	Impaired for <i>E.coli</i> Possible future impairment for nutrients Altered hydrology and habitat
Potential Partners	City of Vadnais Heights, City of White Bear Lake, White Bear Township, Ramsey County, SPRWS

### Monitoring:

- Develop stage/discharge relationships at all Lambert Creek sampling locations. Install a pressure transducer at 1-3 locations (downstream is highest priority, major pour points or storm sewer outfalls are the second priority).
- Conduct monitoring and inspection to assess public ditch status and determine maintenance needs.

### Education and Outreach:

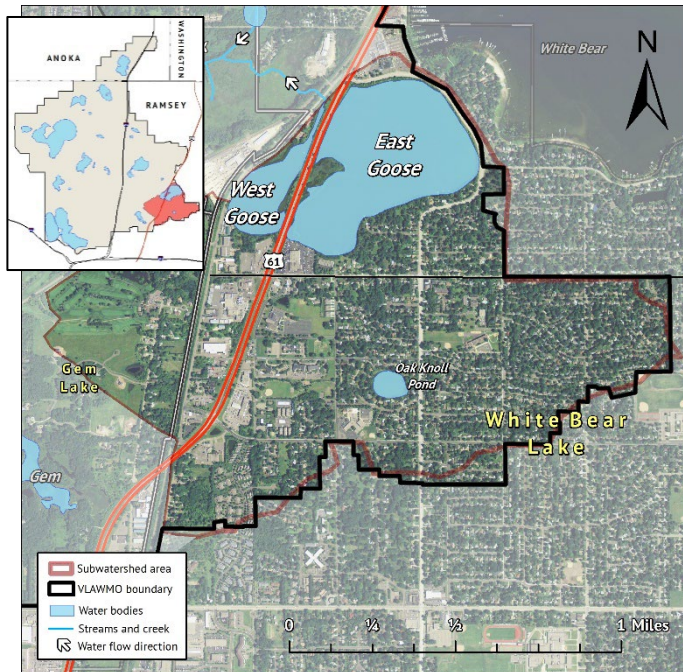
- Work with the MS4s to actively manage pet waste along the creek through education and/or ticketing campaign.

### Capital Projects and Programs:

- Conduct a wildlife survey to determine contribution to the bacteria impairment and a stream restoration assessment. Implement restoration and stabilization projects based on cost-benefits and opportunistic partnerships.
- Implement enhanced wetland project at Whitaker Pond targeting bacteria and nutrient removal with grant assistance using LCCMR funds; pursue expansion of the project is successful.
- Address capital maintenance and repair needs for Lambert Lake pond and the public ditch system, and pursue restoration opportunities with the potential to improve water quality, bacterial impairment, and/or wetland functional capacity.
- Assess potential for stormwater management projects that coincide with road reconstruction projects or are identified as optimal retrofit and restoration opportunities.



## 4.25 GOOSE LAKE (EAST & WEST) SUBWATERSHED TARGETED ACTIVITIES



East and West Goose Lakes are on the 303d Impaired Waters List for high nutrients. Internal loading is the primary source of the impairments. The internal load in East Goose has been impacted by historical discharge from the former White Bear Lake Waste Water Treatment Plant. East Goose Lake requires a 91% load reduction which will come primarily from internal sources with some watershed load reduction. The required 70% load reduction to meet state standards in West Goose Lake will come from internal, watershed, and East Goose Lake load reductions. Other factors that influence water quality in the two lakes are rough fish and invasive aquatic macrophytes. West Goose Lake is also used for extensive waterskiing, which a recent study has shown impacts lake water quality.

Water Resource(s)	East and West Goose Lakes
Management Classification	Restore
Issues or Constraints	Impaired for nutrients
Potential Partners	City of White Bear Lake, Ramsey County, SPRWS

### Monitoring:

- Conduct a fish survey every 3-4 years to monitor rough fish populations.
- Complete bathymetric and vegetation surveys when SLMP is updated (2023).
- Possible expansion of water sample collections to better characterize watershed loads.
- Investigate the need to manage curly leaf pond weed populations in the lake by quantifying the impact of curly leaf on summer internal loads.

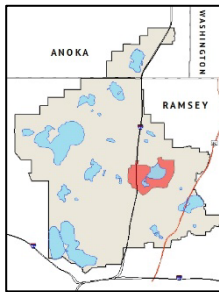
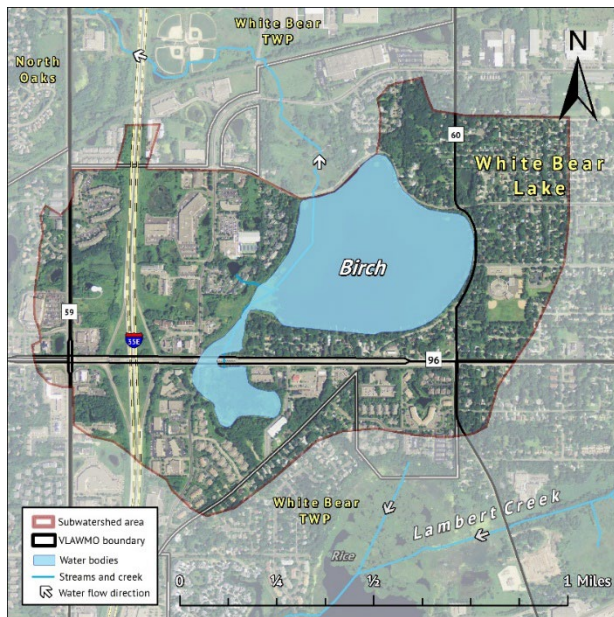
### Education and Outreach:

- Due to the recreational use of the lake, provide proactive education to partners and other affected parties for nutrient reduction activities.

### Capital Projects and Programs:

- Ongoing management of rough fish populations through harvesting and other technologies.
- Complete internal loading core study and prepare a feasibility study to identify internal load management strategies which may include recreational management, whole or partial lake alum applications, dredging, and other technologies.
- Pursue vegetative restoration, AIS management, or other treatment options to target watershed load and internal loading.
- Implement BMPs to reduce nutrients being delivered to the lake and reduce internal loading.

### 4.3 BIRCH LAKE SUBWATERSHED TARGETED ACTIVITIES



Birch Lake’s water quality meets state standards. The Birch Lake Improvement District (BLID) had concerns regarding the potential for increasing chloride levels in this shallow lake due to its proximity to major roadways: Highway 96 and Interstate 35E. In 2015, the BLID provided funds for VLAWMO staff to measure for chloride throughout the year rather than the standard protocol of one measurement in the spring. Currently the level of chloride is not a concern but VLAWMO will continue to collect the additional measurements if the BLID supports that activity. Due to the abundance of vegetation in the lake, the BLID operates a harvester to manage nuisance levels.

Water Resource	Birch Lake
Management Classification	Protect
Issues or Constraints	Proximity to major roads
Potential Partners	City of White Bear Lake, Ramsey County, MnDOT, BLID

#### Monitoring:

- Support the BLID in their fish and vegetation surveys.
- Explore costs and benefits of better characterization of watershed loading through automated sampling.

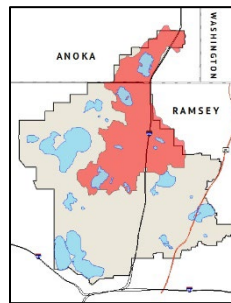
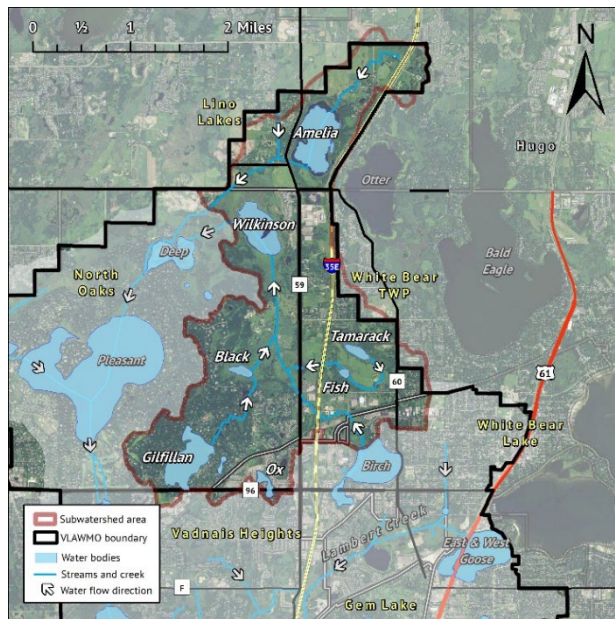
#### Education and Outreach:

- Engage with the City and offer support towards better street sweeping and road salt application methods (assist with training for their Public Works staff) with guidance from the Twin Cities Metropolitan Area Chloride Management Plan (link in the References section).
- Use existing educational materials and/or create materials for homeowners about chloride, raking leaves, and other water friendly yard management techniques. Materials may include postcards or handouts, as well as content for the City’s website and newsletter consistent with the Education and Outreach Plan. Engage with the City’s Environmental Commission with this information to help spread the word. Send direct mailings/postcards to those who live on the lake and/or within the subwatershed area.

#### Capital Projects and Programs:

- Assess potential for stormwater management projects that coincide with road reconstruction projects or are identified as optimal retrofit and restoration opportunities at 4<sup>th</sup> and Otter Lake Road and implement if feasible.
- Pursue subwatershed raingarden projects or other stormwater BMP projects runoff projects, and restoration projects, and implement when feasible to proactively protect Birch Lake.

## 4.4 GILFILLAN-TAMARACK-BLACK-WILKINSON-AMELIA SUBWATERSHED TARGETED ACTIVITIES



VLAWMO actively manages five water bodies in this subwatershed and they are all shallow lakes. Three of the five are on the Impaired List for nutrients (Tamarack, Gilfillan and Wilkinson). The water bodies are connected through a series of ditches, storm sewers, ponds and numerous wetlands and ultimately discharge to Deep Lake. The recent diversion of high-quality water from Pleasant Lake to augment Gilfillan Lake levels is improving water quality in Gilfillan which is typically a land locked basin. Amelia and Black Lakes are currently meeting state standards. Wilkinson will be a focus for nutrient source studies and project implementation.

Water Resource	Gilfillan Lake	Tamarack Lake	Black Lake	Wilkinson Lake	Amelia Lake
Management Classification	Monitor	Restore	Protect	Restore	Protect
Issues or Constraints	Impaired for nutrients	Impaired for nutrients	None identified	Impaired for nutrients	None identified
Potential Partners	City of North Oaks, NOHOA	Ramsey County, Tamarack Nature Center	City of North Oaks, NOHOA	City of North Oaks, North Oaks Company, NOHOA	City of Lino Lakes

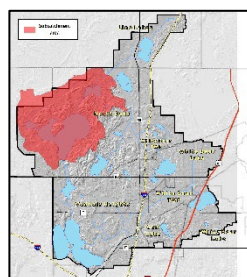
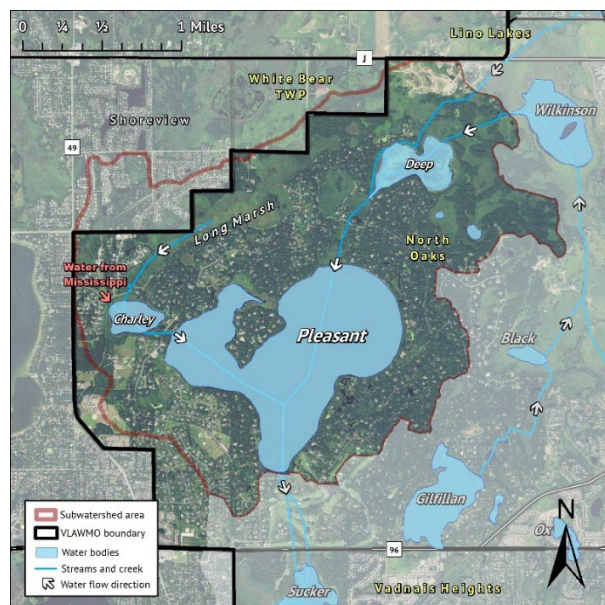
### Monitoring:

- On Black Lake, survey wild rice and other vegetative communities every 3-4 years.
- On Gilfillan, Tamarack, Black and Amelia, complete fish, bathymetric and vegetation surveys when SLMPs are written or updated.
- Conduct fish survey on Wilkinson to assess rough fish population.
- Utilize auto-sampler at one of the inlet areas at Wilkinson and do grab samples at other inlet and outlet.

### Capital Projects and Programs:

- Conduct watershed and internal load assessment on Wilkinson and Tamarack Lakes for nutrient mitigation project development and implementation. Implement identified projects when feasible.
- Possible rough fish management on Wilkinson if deemed feasible.
- Offer assistance to the City of North Oaks and North Oaks Company to discuss and review development plans and offer possible partnership for stormwater management opportunities. Assist with implementation when feasible.
- Implement subwatershed BMPs and/or restoration partnership projects.

## 4.5 Pleasant-Charley-Deep Subwatershed Targeted Activities



Pleasant, Charley and Deep Lakes are part of the SPRWS chain of lakes. Pleasant Lake is on the Impaired Waters List for high nutrient levels and is actively managed by the SPRWS. Charley Lake is the first in the chain of lakes, receiving Mississippi water via pipe. There is concern from the City of North Oaks regarding the buildup of sediment in Charley Lake from the river water. Though past aerial photos have shown algae blooms at major stormwater inlets in Charley Lake and Pleasant Lake, the primary sources of nutrients to the lakes are the Mississippi River and potentially internal loading.

Water Resource	Pleasant Lake, Charley Lake, Deep Lake
Management Classification	Monitor/Restore
Issues or Constraints	Potential excess nutrients, Mississippi River inputs
Potential Partners	City of North Oaks, SPRWS, Met Council, NOHOA

### Monitoring:

- Complete fish, bathymetric, [AIS](#), and vegetation surveys/[monitoring](#) when SLMPs are written or updated, [or as prioritized by the Board and as per the budget.](#)

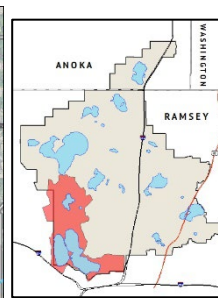
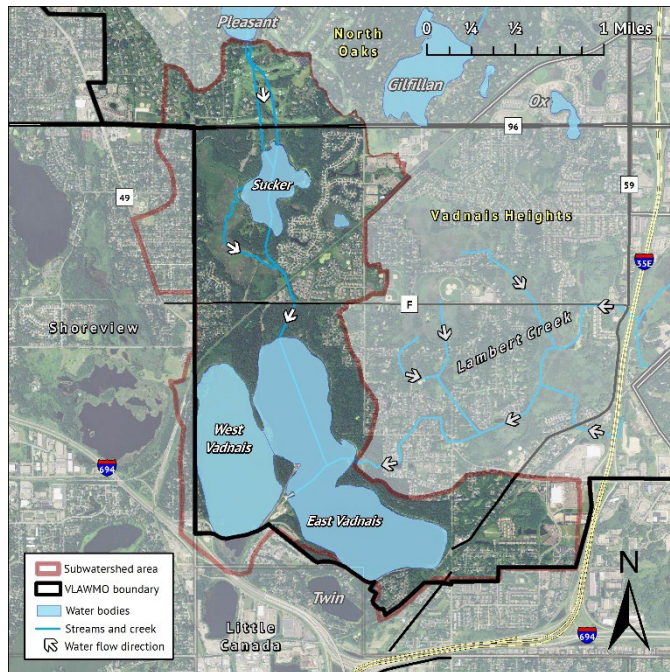
### Education and Outreach:

- Attend SPRWS Board meetings and communicate regularly with SPRWS staff to discuss upcoming projects and coordination and partnership with VLAWMO.

### Capital Projects and Programs:

- Conduct a water and nutrient balance study for the lakes; this may be conducted as part of a feasibility study in preparation to assess impacts of potential operational changes intended by the SPRWS.
- ~~Partner with the City of North Oaks and the SPRWS on a feasibility study regarding the effect on water quality due to possible increased pumping of water by the SPRWS.~~
- Conduct watershed load assessment ~~on Deep Lake~~ and implement [BMP](#) projects based on outcomes.
- Consider BMPs to improve water quality ~~on Deep Lake~~ including but not limited to controlling rough fish. Implement when feasible with involvement of partners.
- Conduct a sedimentation study on Charley and Pleasant Lakes.
- Partner on shoreline stabilization projects [and subwatershed raingarden projects](#) on Pleasant Lake where deemed appropriate.
- Partner with the City of North Oaks, the City of Vadnais Heights, and the SPRWS on a feasibility study regarding the effect on water quality due to possible increased pumping of water by the SPRWS.

## 4.6 SUCKER-VADNAIS SUBWATERSHED TARGETED ACTIVITIES



Sucker and East Vadnais are part of the SPRWS chain of lakes and are surrounded by parkland and protected open space. SPRWS monitors and manages Sucker and East Vadnais. East Vadnais is the drinking water reservoir and water is continuously pumped to the SPRWS treatment facility located in Roseville. West Vadnais Lake is on the Impaired Waters List for high nutrients. It has a small drainage area and it is unknown if there is an underground connection to East Vadnais Lake.

Water Resource	Sucker Lake, East Vadnais Lake	West Vadnais Lake
Management Classification	Monitor/Protect	Monitor/Restore
Issues or Constraints	Potential excess nutrients, Mississippi River input	Nutrient impairment; proximity to major road.
Potential Partners	SPRWS, City of Vadnais Heights, Ramsey County	City of Vadnais Heights, Ramsey County

### Monitoring:

- Complete bathymetric and vegetation surveys when SLMPs are written or updated.

### Education and Outreach:

- Attend SPRWS Board meetings and communicate regularly with SPRWS staff to discuss upcoming projects and coordination and partnership with VLAWMO.

### Capital Projects and Programs:

- Complete internal loading study on West Vadnais and prepare a feasibility study to identify internal load management strategies and implement projects.
- Partner with the City of North Oaks, the City of Vadnais Heights, and the SPRWS on a feasibility study regarding the effect on water quality due to possible increased pumping of water by the SPRWS.
- Assess wetland health, especially in native vegetation areas, implementing restoration when feasible.
- Conduct research on indicator species in the watershed. Conduct or partner on invasive species management including rough fish for West Vadnais Lake.
- Conduct subwatershed feasibility studies, and implement BMP projects/retrofits where feasible.

# 5 PLAN IMPLEMENTATION AND ROLES

## 5.1 RESPONSIBILITIES OF VLAWMO AND ITS PARTNERS

The Metropolitan Surface Water Management Act defines specific authorities and requirements for different types of watershed management organizations. As a Joint Powers watershed management organization (WMO) the following table identifies those responsibilities as mandatory (M) or discretionary (D) and the role VLAWMO will assume in each case.

TABLE 4: VLAWMO DUTIES AND RESPONSIBILITIES

Duties and Responsibilities	Joint Powers WMO	Vadnais Lake Area WMO
Adopt a Watershed Management Plan	M	Adopts a Watershed Management Plan
Prepare an Annual Report	M	Prepares an annual report
Appoints an advisory committee	M	Appoints a TEC and convenes the WAV
Manage transferred drainage system	D	VLAWMO accepted drainage authority over Co. ditches 13 (Dillon) and 14(Lambert)
Receive drainage system improvement & establishment petitions	D	VLAWMO manages the ditches as urban stormwater conveyance systems with its partner municipalities
Adopt water management rules	D	Water management standards have been adopted in its Water Policy
Receive petitions for projects	D	Solicits and acts upon project requests
Conducts hearing on annual budget	D	Public review of the annual budget is at its regular June meeting prior to adoption
Hire employees	D	Employees are hired by VLAWMO
Enters into contracts & agreements	D	Enters into contracts & agreements
Regulate development	D	No
Administers the Wetland Conservation Act	D	Yes
Initiates projects	D	Initiates projects
Approve local water management plans	M	Approves LWMPs
Finance Authority	D	Storm sewer utility

As noted above, VLAWMO does not exercise land use or permitting authority at this time. VLAWMO may assume a permitting program under the following circumstances:

- A local government does not have an approved and adopted local water management plan or has not adopted the standards identified in the VLAWMO Water Policy or official controls to implement those standards.
- A permit application to a local government requires an amendment or variance from the adopted local water management plan or official controls.

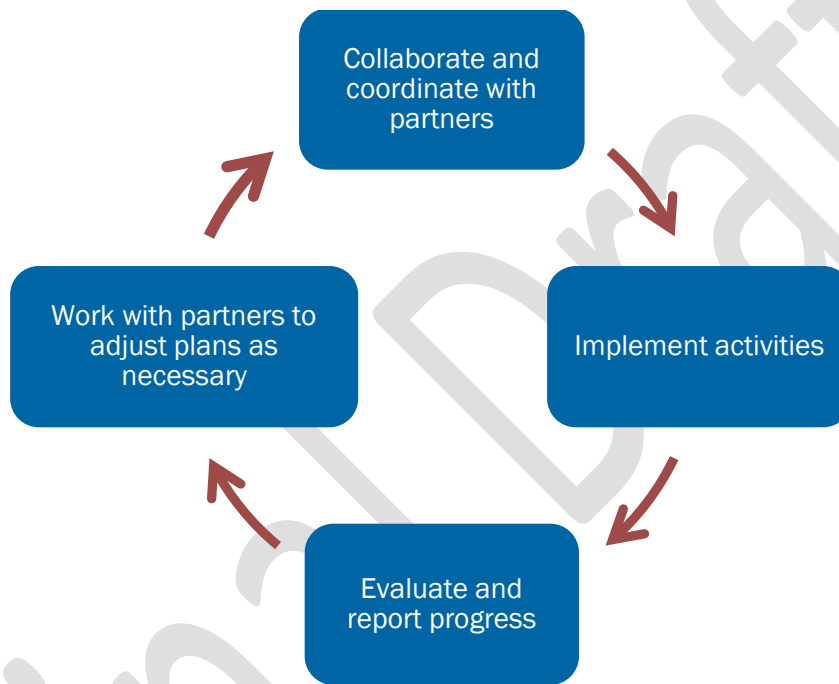
During the 2007-2016 VLAWMO Watershed Management Plan, all 6 local governments developed and adopted an approved LWMP. The annual reporting and evaluation requirement in Minnesota Rules 8410.0150 specify that VLAWMO evaluated the status of local water plan adoption and local implementation of activities required by the watershed management organization. Oversight of LWMP implementation has been informal to date. In 2017, VLAWMO will develop a more formal oversight process for local government implementation of official controls.

# 5 PLAN IMPLEMENTATION AND ROLES

## 5.2 Annual Review Process

Programmatic and project specific gaps will be identified through internal evaluations and regular meetings between VLAWMO and its partners. This allows all local and state units of government to make minor adjustments during the next 10 years by selecting from the prioritized list of actions, also by adding to the list and deleting items as the science is updated and the policies or resources change. This will be done on a subwatershed basis and with consideration to VLAWMO's core activities.

FIGURE 12: IMPLEMENTATION AND REVIEW PROCESS



During this Plan period, the Board will annually review progress towards goals. This self- assessment will be done through the annual reporting process which takes into consideration the annual water quality monitoring report and evaluation of the success of core activities and subwatershed activities Report cards for each subwatershed will aid in tracking progress (Figure 13). The VLAWMO Annual Report will compile all of the evaluations and adjustments will be considered where necessary.

To assist in this self- assessment process VLAWMO will meet with member cities and townships annually to assess progress towards goals. Core activities will be reviewed to assure that they are still supporting the mission and priorities of the watershed. Results of that self-assessment will be reflected in the Annual Report as well as direction for the next year. The review of the annual work plan includes the goal being addressed, the strategy being implemented and a description of the results.

# 5 PLAN IMPLEMENTATION AND ROLES

FIGURE 13: EXAMPLE OF SUBWATERSHED REPORT CARD

2018 REPORT CARD			
BIRCH LAKE	2017 Activities and Results	Progress in 2018	Plans and Goals for 2019
Monitoring:			
TP (ug/L)			
Chl A (ug/L)			
SDT (m)			
Support BLID in fish and vegetation surveys			
Education and Outreach:			
Engage partners on additional street sweeping and chloride management			
Capital Projects and Programs:			
Assess potential for stormwater management project at 4th & Otter Lk Rd			
Support stormwater management activities during redevelopment			
Landscape Grant Projects completed			



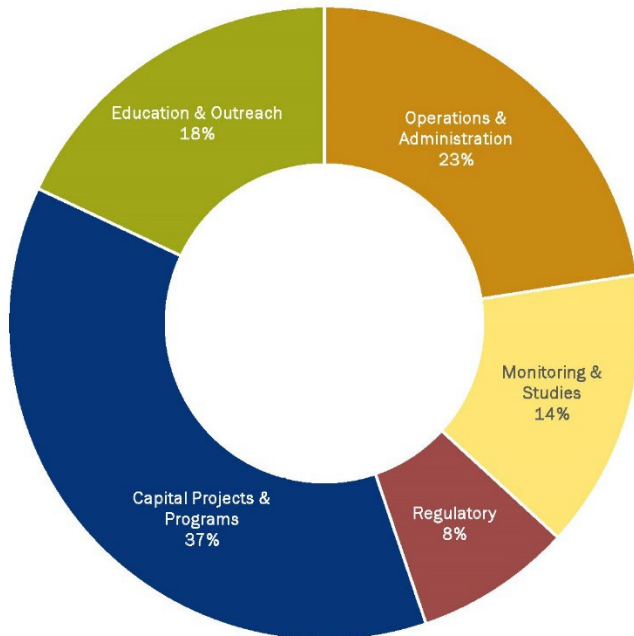
# 5 PLAN IMPLEMENTATION AND ROLES

## 5.3 VLAWMO IMPLEMENTATION BUDGET AND SCHEDULE

VLAWMO's Joint Powers Agreement allows for a variety of funding mechanisms. The chief funding method that will continue to be used is the Storm Sewer Utility (SSU) fee. The SSU Rule is included in Appendix C of this Plan. It was adopted by the Board in 2007 and provides a funding mechanism based on land use classification. Fees are collected by the counties through the property tax collection system. The SSU continues to provide a stable source of funding for the watershed. A small portion of funding may also come from service fees, WCA grant reimbursement, and interest from bank accounts. The funding is used to conduct VLAWMO's core activities.

Figure 14 shows how the 2017 budget is expected to be spread among the five core activities. Employee salaries and associated human resources costs are prorated among the various core

FIGURE 14: 2017 VLAWMO BUDGET DISTRIBUTION FOR CORE ACTIVITIES



activities to demonstrate the level of involvement required for each activity. Large capital projects may be funded through a variety of mechanisms. SSU fees collected over time, partner contributions, grant funding, in-kind labor or material contributions, or special assessment areas set up through our municipal partners may all play a role. VLAWMO's grant funding has ranged from \$0 to \$500,000 per year for the past 5 years.

The overall cost, sequencing, and potential partnerships for implementation of this Plan is shown in Figure 15.

FIGURE 15: 2017 - 2026 IMPLEMENTATION SCHEDULE AND BUDGET

VLAWMO IMPLEMENTATION BUDGET													
	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	Partners		
<b>Core Activities</b>													
Operations & Administration	\$146,420	\$150,800	\$155,300	\$190,000	\$194,800	\$199,700	\$204,800	\$210,000	\$215,400	\$221,000			
Monitoring & Studies	\$92,640	\$95,400	\$98,300	\$111,200	\$114,200	\$117,300	\$120,500	\$123,800	\$127,200	\$130,700	SPRWS, CLMP Volunteers		
Education & Outreach	\$119,790	\$123,400	\$127,100	\$130,900	\$134,800	\$138,800	\$143,000	\$147,300	\$151,700	\$156,300	Member MS4s and others		
Capital Projects and Programs	\$196,630	\$202,500	\$208,600	\$214,900	\$221,300	\$227,900	\$234,700	\$241,700	\$249,000	\$256,500	MS4s, BWSR, RCD & others		
Regulatory Program	\$49,760	\$51,300	\$52,800	\$54,400	\$56,000	\$57,700	\$59,400	\$61,200	\$63,000	\$64,900	Member MS4s and others		
<b>Subwatershed Activities</b>													
<b>Gem Lake</b>													
Fish survey (done during SLMP years)										\$1,600	Contractor		
Bathymetry & vegetation surveys (done during SLMP years)										\$3,200	RCD		
<b>Commercial area retrofit feasibility study &amp; project implementation</b> Retrofit and other stormwater BMP partner feasibility studies and projects						\$150,000		\$150,000		\$95,000	City of Gem Lake, City of White Bear Lake, Ramsey Co		
<b>Lambert Creek</b>													
Pet Waste Management	\$1,000	\$1,000									MS4s		
Bacteria reduction project implementation				\$50,000		\$30,000					Contractor, Consultant, MS4s		
Wildlife survey & stream restoration assessment		\$22,000									DNR, Consultant		
Stream restoration, watershed protection, and retrofit projects			\$200,000	\$100,000	\$100,000	\$100,000	\$200,000	\$85,000		\$105,000	Contractor, Consultant, MS4s		
Public drainage program maintenance and inspection								\$30,000	\$45,000	\$45,000	City of Vadnais Heights, City of White Bear Lake		
Ditch repair and maintenance projects								\$50,000	\$100,000	\$200,000	City of Vadnais Heights, City of White Bear Lake		
Debt service on infrastructure replacement								\$40,000	\$40,000	\$40,000			
Whitaker Pond wetlands retrofit installation	\$400,000	\$20,000	\$80,000								LCCMR, Contractor, Consultant, MS4s		
Whitaker Pond wetlands expansion and/or restoration					\$500,000			\$70,000			Contractor, Consultant, MS4s		
<b>Goose Lake</b>													
Curlyleaf Pondweed Survey			\$3,000								RCD		
Load assessment for nutrient mitigation project development	\$10,000										Consultant, MS4s, SPRWS		
Internal load mitigation project implementation & invasive species treatment				\$220,000				\$205,000	\$55,000	\$185,000	Consultant, MS4s, DNR		
Bathymetry & vegetation surveys (done during SLMP years)									\$5,000		RCD		
Fish survey & rough fish harvest	\$4,000				\$4,500				\$5,000		MS4s		
Subwatershed loading project implementation			\$99,000	\$30,000	\$30,000		\$50,000	\$25,000	\$90,000	\$50,000	\$150,000	Consultant, MS4s, SPRWS, Property Owners	
<b>Birch Lake</b>													
Bathymetry, vegetation & fish surveys (done during SLMP years)			\$5,000								RCD, BLID		
Engage partners on additional street sweeping & chloride management			\$1,200	\$1,200	\$1,200	\$1,200	\$1,200	\$1,200	\$1,200	\$1,200	City of White Bear Lake, RCD, MNDOT, BLID		
Subwatershed neighborhood raingarden and restoration projects				\$7,500		\$30,000		\$20,000	\$10,000	\$10,000	City of White Bear Lake, BLID		
Support BLID efforts			\$1,000	\$1,500	\$1,500	\$1,500	\$1,500	\$2,000	\$2,000	\$2,000	BLID		
4th and Otter Lake Road project development		\$8,000									City of White Bear Lake, RCD, WFB Grant, BLID		
4th and Otter Lake Road project implementation Reconstruction and retrofit project development and implementation			\$127,000					\$70,000		\$20,000	WBF Grant, City of White Bear Lake, BLID		
<b>Giffilan-Tamarack-Black-Wilkinson-Amelia</b>													
Wilkinson - Bathymetry, vegetation, & fish surveys	\$2,600							\$8,000			RCD, NOHOA, City of North Oaks		
Wilkinson - Load assessment and related feasibility studies for nutrient mitigation project development	\$15,000								\$15,000		NOHOA, City of North Oaks, Consultant		
Wilkinson - Rough fish management		\$3,000		\$3,000		\$3,000		\$3,000			NOHOA, City of North Oaks		
Wilkinson and/or Tamarack - Nutrient reduction (watershed and internal load) project implementation			\$50,000	\$20,000	\$50,000			\$163,000	\$200,000	\$283,000	NOHOA, City of North Oaks, NOC, Anoka County, Ramsey County, WBT		
Giffilan/Tam/Black/Amelia - Bathymetry, veg, & fish surveys (SLMP years)				\$3,000	\$5,000	\$3,200	\$5,000				RCD, NOHOA, MS4s, Ramsey Co Parks		
North Oaks Stormwater management and restoration opportunities		\$24,000			\$24,000			\$10,000		\$125,000	NOHOA, City of North Oaks, Lino Lakes, Anoka County		
<b>Pleasant-Charley-Deep Lakes</b>													
Bathymetry & vegetation surveys (done during SLMP years)	\$1,200	\$5,000									RCD		
Fish survey and carp/AIS mgmt			\$5,000	\$10,000	\$4,500			\$25,000	\$10,000	\$35,000	SPRWS, NOHOA, City of North Oaks		
Watershed load mitigation project implementation - Deep				\$50,000			\$30,000	\$30,000	\$10,000	\$45,000	NOHOA, City of North Oaks, SPRWS		
Pleasant Lake shoreline stabilization and subwatershed raingarden projects							\$15,000		\$15,000	\$10,000	NOHOA, City of North Oaks, SPRWS		
Charley & Pleasant Lakes sedimentation study			\$15,000										
Water and nutrient balance study for the three lakes						\$165,000					Consultant, SPRWS, NOHOA, City of NO, Met Council		
<b>Sucker-East &amp; West Vadnais Lakes</b>													
Bathymetry & vegetation surveys (done during SLMP years)			\$9,000	\$12,000							RCD		
West Vadnais internal loading study & TMDL development					\$23,000			\$50,000			City of Vadnais Heights, SPRWS, MPCA, Consultant, RWMWD		
West Vadnais nutrient reduction project development and implementation, including rough fish study/removal						\$10,000		\$15,000	\$100,000	\$125,000	City of Vadnais Heights, SPRWS, RWMWD		
West Vadnais nutrient reduction project implementation							\$50,000				City of Vadnais Heights, SPRWS		
Retrofit, restoration, and other stormwater BMP partner feasibility studies and projects								\$65,000	\$45,000	\$85,000	City of Vadnais Heights, SPRWS, Ramsey County, North Oaks, City/Golf Course		
Sucker & East Vadnais Human Alteration Impact Study						\$165,000					City of Vadnais Heights, SPRWS, Met Council		
Source of Funding													
Core Activities	\$ 605,240	\$ 623,400	\$ 642,100	\$701,400	\$721,100	\$741,400	\$762,400	\$784,000	\$806,300	\$829,400	← Storm Sewer Utility		
Subwatershed Activities Total	\$433,800	\$83,000	\$589,200	\$458,200	\$793,700	\$508,900	\$352,700	\$14,200	\$1,117,200	\$68,200	\$658,200	← Grant Funding/ Partner Contribution	
<b>Total</b>	<b>\$1,039,040</b>	<b>\$706,400</b>	<b>\$1,231,300</b>	<b>\$1,159,600</b>	<b>\$1,514,800</b>	<b>\$1,230,300</b>	<b>\$1,115,100</b>	<b>\$798,200</b>	<b>\$1,901,200</b>	<b>\$864,500</b>	<b>\$1,464,500</b>	<b>\$847,400</b>	<b>\$2,395,400</b>

This page is intentionally left blank.



Dawn Tanner &lt;dawn.tanner@vlawmo.org&gt;

---

## Request for comment: VLAWMO Comprehensive Watershed Management Plan Amendment

---

Jordan, Michelle (BWSR) &lt;Michelle.Jordan@state.mn.us&gt;

Fri, Sep 30, 2022 at 2:19 PM

To: Dawn Tanner &lt;dawn.tanner@vlawmo.org&gt;

Cc: Phil Belfiori <phil.belfiori@vlawmo.org>, "Westrick, Marcey (BWSR)" <marcey.westrick@state.mn.us>, "Sventek, Judy" <judy.sventek@metc.state.mn.us>, "Risberg, Jeff (MPCA)" <jeff.risberg@state.mn.us>, "Freitag, John (MDH)" <john.freitag@state.mn.us>, "Weisman, Barbara (DNR)" <barbara.weisman@state.mn.us>, "Lais, Dan R (DNR)" <dan.lais@state.mn.us>, "renee.sande@co.anoka.mn.us" <renee.sande@co.anoka.mn.us>, "Berg, Jeffrey (MDA)" <jeffrey.berg@state.mn.us>, "Neuendorf, Beth (DOT)" <beth.neuendorf@state.mn.us>, "Churchich, Molly" <Molly.Churchich@co.ramsey.mn.us>, Andrew Nelson <anelson3@linolakes.us>, Jim Lindner <lindner1858@yahoo.com>, "kkress@northoaksmn.gov" <kkress@northoaksmn.gov>, Jesse Farrell <jesse.farrell@cityvadnaisheights.com>, Connie Taillon <ctaillon@whitebearlake.org>, "pat.christopherson@whitebeartownship.org" <Pat.Christopherson@whitebeartownship.org>, Chris Lord <chris.lord@anokaswdc.org>, "Ann WhiteEagle-Ramsey Co. Cons. Dist." <Ann.WhiteEagle@co.ramsey.mn.us>, "Roe, Justine (CI-StPaul)" <justine.roe@ci.stpaul.mn.us>, Kristie Elfering <ASCKristie@nohoa.org>

Good afternoon Dawn,

I am writing in response to the August 25<sup>th</sup>, 2022submittal of proposed changes to the Vadnais Lake Area Watershed Management Organization (VLAWMO) Watershed Management Plan (Plan). The email submittal indicated the intent to follow the minor plan amendment procedure as defined in MN Rules 8410.0140 Subp.2. As per the rule, the proposed plan amendment was sent to the plan review authorities and the Board of Water and Soil Resources (BWSR) for a minimum 30-day review period, which ended September 25<sup>th</sup>, 2022

Responses were received from three state review agencies and one municipality. The Minnesota Pollution Control Agency responded that they appreciated the opportunity to participate and did not have further comment on the proposed amendment. The Minnesota Department of Agriculture thanked VLAWMO for the opportunity to review, and stated they did not have comments. The City of White Bear Lake requested that VLAWMO consider adding language to the Lambert Creek "Capital Projects and Improvements" similar to the revised language for the Birth Lake subwatershed, consider adding the City to the potential partners table, and consider revising the date when the City's local water management plan was adopted. VLAWMO responded to the City of White Bear Lake that they would include the first two suggestions in this amendment, and include the third in the next round of the Plan.

No county board has filed an objection to the amendment with BWSR during the comment period, and the amendments are not necessary to make the plan consistent with an approved and adopted county groundwater plan. The VLAWMO plans to hold a public hearing on the proposed plan amendment in accordance with the rule requirements on October 26, 2022.

**In reviewing this information, BWSR agrees that these revisions constitute a minor plan amendment in accordance with MN Rules 8410.0140 Subp.2.**

We commend the VLAWMO for maintaining a current watershed management plan. Once the VLAWMO completes the public hearing and adopts the changes, please distribute the final amendment in the form of replacement pages for the Plan in accordance with MN Rules 8410.0140 Subp's. 4 and 5. Refer to the Metro Plan Review Roster on the BWSR website for the plan format review agencies have requested.

Please consider this email the official BWSR response and retain it for your records. If you have any follow-up questions or concerns, please do not hesitate to reach out.

Sincerely,

**Michelle Jordan | Board Conservationist**

Minnesota Board of Water and Soil Resources (BWSR)

520 Lafayette Road North

St. Paul, MN, 55155

651-308-6724

(she/her)

---

**From:** Dawn Tanner <dawn.tanner@vlawmo.org>

**Sent:** Thursday, August 25, 2022 11:06 AM

**To:** Berg, Jeffrey (MDA) <jeffrey.berg@state.mn.us>; Westrick, Marcey (BWSR) <marcey.westrick@state.mn.us>; Weisman, Barbara (DNR) <barbara.weisman@state.mn.us>; Lais, Dan R (DNR) <dan.lais@state.mn.us>; Freitag, John (MDH) <john.freitag@state.mn.us>; Risberg, Jeff (MPCA) <jeff.risberg@state.mn.us>; Sventek, Judy <judy.sventek@metc.state.mn.us>

**Cc:** Jordan, Michelle (BWSR) <Michelle.Jordan@state.mn.us>; Phil Belfiori <phil.belfiori@vlawmo.org>

**Subject:** Request for comment: VLAWMO Comprehensive Watershed Management Plan Amendment

**This message may be from an external email source.**

Do not select links or open attachments unless verified. Report all suspicious emails to Minnesota IT Services Security Operations Center.

---

Dear review authority members:

VLAWMO has been working on an Amendment to our Comprehensive Watershed Management Plan with our Technical Commission, Board of Directors, and BWSR. Our Board approved the Amendment and authorized VLAWMO to distribute the Draft Amendment and notice our public meeting. We request your comments by September 25, 2022.

Please find the Draft Amendment attached to this email and linked here:  
[https://www.vlawmo.org/index.php/download\\_file/4059/](https://www.vlawmo.org/index.php/download_file/4059/)

The attached letter provides a detailed account of all changes included in the plan.

Thank you for your involvement in this process. We appreciate your time and effort.

Sincerely,

Dawn Tanner

--

 **DAWN TANNER, PhD**  
Program Development Coordinator  
651.204.6074 | www.vlawmo.org  
800 E County Rd E, Vadnais Heights, MN 55127  
Vadnais Lake Area Water Management Organization



**Attachment to TEC Packet for Projects/Minor Watershed Plan Amendment  
Comments Received**

MPCA, represented by Brittany Faust (see also letter from MPCA included in the packet):

The screenshot shows an email interface with a toolbar at the top containing icons for back, delete, info, trash, mail, clock, reply, folder, and print. The page number '3 of 104' is visible in the top right. The email subject is 'Response to Request for Comments for VLA WMO Proposed Plan Amendment' with a yellow 'External' tag and a grey 'Official Notifications/Plan Amendment' tag. The sender is 'Faust, Brittany (MPCA)' with a profile picture 'F'. The recipient is 'to me, Michelle'. The email content includes a greeting 'Hi Dawn,' followed by a paragraph: 'Please find attached the MPCA's comments for the proposed amendments to the Vadnais Lake Area Watershed Management Organization Comprehensive Watershed Management Plan. Thank you for the detailed letter describing the changes as well as the opportunity to provide comments.' Below this is a sign-off 'Best,' and contact information for Brittany Faust: 'Brittany Faust (she/her) | Environmental Specialist, Minnesota Pollution Control Agency (MPCA), Watershed Division, 520 Lafayette Rd N | St. Paul, MN | 55155, Phone: 651-757-2596, [Brittany.Faust@state.mn.us](mailto:Brittany.Faust@state.mn.us) | [www.pca.state.mn.us](http://www.pca.state.mn.us)'. At the bottom is the MPCA logo.

MDA, represented by Jeffrey Berg:

The screenshot shows an email interface with a toolbar at the top containing icons for back, delete, info, trash, mail, clock, reply, folder, and print. The page number '2 of 104' is visible in the top right. The email subject is 'VLA WMO Watershed Management Plan amendment' with a yellow 'External' tag and a grey 'Official Notifications/Plan Amendment' tag. The sender is 'Berg, Jeffrey (MDA)' with a profile picture 'B'. The recipient is 'to me, Michelle'. The email content includes a greeting 'Greetings Dawn,' followed by a paragraph: 'I have reviewed the proposed amendments to the VLA WMO Watershed Management Plan. Minnesota Department of Agriculture has no comments on the VLA WMO Watershed Management Plan amendment. Thanks for the opportunity to review.' Below this is a sign-off 'Regards,' and contact information for Jeffrey Berg: 'Jeff Berg, Water Policy Specialist, Minnesota Department of Agriculture, 651 201 6338, [Minnesota Department of Agriculture](http://www.mda.state.mn.us), 625 Robert Street North'. At the bottom is the MDA logo.

Metropolitan Council, represented by Maureen Hoffman:

← 📎 ⌚ 🗑️ 📧 ⌚ ↻ 📧 📧 ⋮ 1 of 1 < >

 **Dawn Tanner** Fri, Aug 26, 9:24 AM ☆  
----- Forwarded message ----- From: Jordan, Michelle (BWSR) <Michelle.Jordan@state.mn.us> Date: Fri, Aug 26, 2022 at 9:22 A...

---

 **Hoffman, Maureen** <Maureen.Hoffman@metc.state.mn.us> Mon, Sep 26, 2:17 PM (8 days ago) ☆ ↶ ⋮  
to me ▾

Hello Dawn,


I apologize for the lateness of my response! The Metropolitan Council (Council) has completed review of the Vadnais Lake Area Water Management Organization (VLAWMO) amended watershed management plan. The amendments are consistent with the Council's Water Resources Policy Plan. Council staff appreciate the edits, updates, and revisions of the plan. They ensure the plan is current and updates to the budget were formed through excellent partnership with the municipalities contained within the watershed.

Thank you for opportunity to comment on this plan amendment. We do not have any comments regarding this change. If you have any questions, please let me know!

Thank you,  
Maureen Hoffman

City of White Bear Lake, represented by Connie Taillon:

← 📎 ⌚ 🗑️ 📧 ⌚ ↻ 📧 📧 ⋮ 10 of 12 < >

 **Connie Taillon** 📧 Fri, Sep 23, 10:10 AM (11 days ago) ☆ ↶ ⋮  
to michelle.jordan@state.mn.us, Paul, Nathan, me ▾

Hi Dawn,

Thank you for the opportunity to provide comments on the VLAWMO Comprehensive Watershed Management Plan amendment. Understanding that this plan amendment is to update budgeting and programs only and is not a comprehensive update, please consider the following comments only as you see fit within the context of this amendment.

-

City of White Bear Lake Comments

- 1) The City plans to rehabilitate streets within the Lambert Creek subwatershed in the near future. If VLAWMO's intent is to assess the potential for stormwater management projects that coincide with street reconstruction projects within all subwatersheds, consider adding language to the Lambert Creek 'Capital Projects and Improvements' on page 46 similar to the Birch Lake subwatershed revised language on page 48, and include a budget item in the plan implementation table if needed.
- 2) Because the City of White Bear Lake is referenced as a partner for projects within the Gem Lake subwatershed, consider adding the City of White Bear Lake as one of the 'Potential Partners' in the table on page 45 for consistency.
- 3) Consider revising the date when the City's LWMP was adopted in Table 5 on page 60. The City's latest LWMP update was in 2021.

**Attachment 5**

**RESOLUTION NO. 08-2022  
Of the Vadnais Lake Area Water Management Organization (VLAWMO)**

**A RESOLUTION APPROVING THE MINOR WATER PLAN AMENDMENT**

**Resolution 08-2022 was moved by Director \_\_\_\_\_ and second by Director \_\_\_\_\_.**

WHEREAS, in January 2022, VLAWMO conducted a strategic direction process that was supported with grant funding from BWSR to review VLAWMO activities over recent years, identify priorities for project implementation, and discuss policy gaps;

WHEREAS, VLAWMO staff conducted meetings with identified possible project partners during February 2022 and created an updated project table to reflect projects identified;

WHEREAS, VLAWMO staff plan to make annual meetings with partners an annual process to keep project planning current and identify partnerships as early as possible in the planning process;

WHEREAS, the VLAWMO Board authorized the public drainage policy and full water management policy in June 2022;

WHEREAS, the TEC and Board authorized the proposed amendment at the August meetings, BWSR was closely consulted during the process, and stated support for a minor amendment process;

WHEREAS, the required 30-day comment period was opened, communicated with review authorities, approved by BWSR, comments were received and responded to by VLAWMO staff, and a public meeting was noticed on Oct. 5 and 12 in the Vadnais Heights and White Bear Lake Press Publications and is being held during the Oct. 26 regular Board meeting;

WHEREAS, BWSR provided a formal letter recognizing that the amendment proposed is considered minor and has expressed approval of VLAWMO staff handling of comments received;

WHEREAS, an updated amendment has been reviewed and recommended to the Board by the TEC at the Oct. 12, 2022 meeting;

**NOW, THEREFORE, BE IT RESOLVED**, by the Vadnais Lake Area Watershed Management Organization Board of Directors as follows:

1. The Board approves the proposed amendment and adoption of the current version of the Watershed Management Plan.



2. The Board authorizes VLAWMO staff to provide pages with changes to review authorities and notify them of the amendment acceptance.
3. The Board authorizes VLAWMO staff to post the final Watershed Management Plan on the VLAWMO website.

Adopted this 26<sup>th</sup> day of October 2002 on a vote of \_\_ yeas and \_\_ nays as follows:

	<u>Yea</u>	<u>Nay</u>	<u>Absent</u>
Dan Jones	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ed Prudhon	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rob Rafferty	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tom Watson	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Patricia Youker	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Jim Lindner	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**BY THE VLAWMO BOARD**

\_\_\_\_\_  
 Chairperson

Attest: \_\_\_\_\_  
 Administrator

**Intentional blank page**

Date: October 14, 2022

To: Board of Directors

From: Phil Belfiori, Administrator

Re: **VI.A.3.** Storm Sewer Utility Certification to Ramsey and Anoka Counties

This is the final step in our annual process to complete the Storm Sewer Utility for 2023. The Budget with its anticipated income from the SSU was set in June that drove the rates for residential and non- residential properties which were approved VLAWMO Board pursuant to resolution 07-2022 at the August 2022 meeting. Below is the summary of Board approved 2023 SSU Rates from the August 2022 Board meeting:

Classification	Total Amount	R. E. F.	Rate
Residential 1-3 Units	\$641,051.40	1.00	\$61.80/ Unit
Residential 4 or more Units	\$42,050.27	2.72	\$89.64/ Acre
Commercial	\$158,932.47	4.23	\$89.64/ Acre
Industrial	\$136,784.48	3.30	\$89.64/ Acre
Institutional	\$92,743.03	3.30	\$89.64/ Acre
Golf Courses	\$14,742.16	0.74	\$89.64/ Acre
Agricultural	\$10,457.93	0.25	\$89.64/ Acre
Vacant Land	\$0	Exempt	\$0.00
Road/Railroad ROW	\$0	Exempt	\$0.00
Wetland/Public Waters	\$0	Exempt	\$0.00
Other Exempt	\$0	Exempt	\$0.00
<b>Totals</b>	<b>\$1,096,761.74</b>		

Since the August VLAWMO Board meeting, Staff has been working with our SSU consultant and the counties to review property divisions and other updates since then. The charges to each non- exempt parcel are now ready to be certified as we do each October.

Please note the Parcel lists for each county will be sent as a separate attachment /separate file which will only be included in the electronic packet as they are very lengthy. The Resolution for Certification and 2 page summary table are included in both the hard copy and electronic packet.

**Staff Recommendation.**

Approve of Resolution 09-2022 certifying the VLAWMO storm sewer utility charges to the county auditor to be assessed on real estate taxes payable in 2023.

**Requested Board Action**

Move by Director \_\_\_\_\_, Second by \_\_\_\_\_ to approve **Resolution 09-2022** certifying the VLAWMO storm sewer utility charges to the county auditor to be assessed on real estate taxes payable in 2023.

**Attachments:**

In Board meeting packet (electronic and hard copies):

- Summary of pay 2023 Divisions for each County and broken down by City– 2 pages
- Resolution 09-2022

In separate attachment /file as sent as part of the electronic packet only:

1. **Storm Water Utility Certification lists Anoka and Ramsey County –154 pages. (151 pages for Ramsey and 3 pages for Anoka) Noted as Attachment 1 and 2.**



Vadnais Lake Area Water Management Organization  
 Parcels to be certified to Anoka and Ramsey Counties  
 For Taxes Payable in 2023

City Name	Land Use Description	Parcel Count	Annual Fee
<b>ANOKA COUNTY</b>			
Lino Lakes	Residential 1-3 units	94	\$ 5,809.20
	Residential 4 or more units	0	-
	Commercial	1	310.25
	Industrial	0	-
	Institutional	0	-
	Airports / Golf Course	0	-
	Agricultural	18	6,174.74
	Parks / Cemeteries / Vacant Land	0	-
	Road / Railroad Right of Way	0	-
	Wetlands / Lakes / Streams	0	-
	Other Exempt	0	-
	Manual Override	18	-
<b>Total Lino Lakes</b>		<b>131</b>	<b>\$ 12,294.19</b>
<b>Total Anoka County</b>		<b>131</b>	<b>\$ 12,294.19</b>
<b>RAMSEY COUNTY</b>			
Gem Lake	Residential 1-3 units	186	\$ 11,494.80
	Residential 4 or more units	0	-
	Commercial	13	11,274.54
	Industrial	4	1,163.69
	Institutional	1	871.65
	Airports / Golf Course	8	3,645.73
	Agricultural	1	393.19
	Parks / Cemeteries / Vacant Land	0	-
	Road / Railroad Right of Way	0	-
	Wetlands / Lakes / Streams	0	-
	Other Exempt	2	-
	Manual Override	0	-
<b>Total Gem Lake</b>		<b>215</b>	<b>\$ 28,843.60</b>
North Oaks	Residential 1-3 units	1,949	\$ 120,448.20
	Residential 4 or more units	7	6,091.04
	Commercial	17	11,663.49
	Industrial	0	-
	Institutional	4	18,762.12
	Airports / Golf Course	1	11,096.43
	Agricultural	7	2,678.80
	Parks / Cemeteries / Vacant Land	0	-
	Road / Railroad Right of Way	0	-
	Wetlands / Lakes / Streams	15	-
	Other Exempt	118	-
	Manual Override	64	-
<b>Total North Oaks</b>		<b>2,182</b>	<b>\$ 170,740.08</b>

City Name	Land Use Description	Parcel Count	Annual Fee
Vadnais Heights	Residential 1-3 units	3,621	\$ 223,777.80
	Residential 4 or more units	15	8,337.64
	Commercial	80	59,724.81
	Industrial	19	21,479.75
	Institutional	19	19,823.23
	Airports / Golf Course	0	-
	Agricultural	4	400.26
	Parks / Cemeteries / Vacant Land	0	-
	Road / Railroad Right of Way	8	-
	Wetlands / Lakes / Streams	2	-
	Other Exempt	36	-
	Manual Override	145	-
	<b>Total Vadnais Heights</b>		<b>3,949</b>
White Bear Lake	Residential 1-3 units	3,028	\$ 187,130.40
	Residential 4 or more units	34	26,445.51
	Commercial	125	54,937.26
	Industrial	38	32,674.48
	Institutional	76	47,466.37
	Airports / Golf Course	0	-
	Agricultural	0	-
	Parks / Cemeteries / Vacant Land	2	-
	Road / Railroad Right of Way	7	-
	Wetlands / Lakes / Streams	1	-
	Other Exempt	30	-
	Manual Override	35	-
	<b>Total White Bear Lake</b>		<b>3,376</b>
White Bear Township	Residential 1-3 units	1,494	\$ 92,329.20
	Residential 4 or more units	1	1,176.08
	Commercial	31	21,022.12
	Industrial	38	81,466.56
	Institutional	7	5,819.66
	Airports / Golf Course	0	-
	Agricultural	3	810.94
	Parks / Cemeteries / Vacant Land	0	-
	Road / Railroad Right of Way	12	-
	Wetlands / Lakes / Streams	2	-
	Other Exempt	73	-
	Manual Override	53	-
	<b>Total White Bear Township</b>		<b>1,714</b>
<b>Total Ramsey County</b>		<b>11,436</b>	<b>\$1,084,405.75</b>
<b>Total VLAWMO</b>		<b>11,567</b>	<b>\$1,096,699.94</b>

**RESOLUTION 09-2022**

**A RESOLUTION CERTIFYING STORM SEWER UTILITY CHARGES TO THE COUNTY AUDITOR TO BE ASSESSED ON REAL ESTATE TAXES PAYABLE IN 2023.**

WHEREAS, Minnesota Law 2008, Chapter 366, Article 6, Section 47 provides that the Vadnais Lake Area Water Management Organization may certify to the County Auditors the amounts of storm sewer utility charges to be collected on said premises the ensuing year; and

WHEREAS, the Storm Sewer Utility (SSU) Rule of the Vadnais Lake Area Water Management Organization, provides that the watershed may certify to the County Auditors the amounts of unpaid utility charges to be collected as part of the tax levy/special assessments on said premises the ensuing year;

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF THE VADNAIS LAKE AREA WATER MANAGEMENT ORGANIZATION, AS FOLLOWS:

1. Attachments 1 and 2 attached hereto and made a part thereof by reference is a list of parcels of real property lying within the VLAWMO limits of which have surface water runoff and on which there are service charges payable in 2023.
2. The Board hereby certifies said list and requests the Ramsey County Auditor and Anoka County Auditor to include in the real estate taxes/assessments due the amount set forth in Attachments 1 and 2 with taxes/assessments due and payable in 2023.
3. The VLAWMO Administrator is directed to tender a certified copy of this Resolution to the Ramsey and Anoka County Departments of Property Records and Revenue.

The question was on the adoption of the resolution and there were \_\_ yeas and \_\_ nays as follows:

	<u>Yea</u>	<u>Nay</u>	<u>Absent</u>
<i>Dan Jones</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Ed Prudhon</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Rob Rafferty</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Tom Watson</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Patricia Youker</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Jim Lindner</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

\_\_\_\_\_  
James Lindner, Chair

\_\_\_\_\_  
Date

VADNAIS LAKE AREA WATER MANAGEMENT ORGANIZATION

I, the undersigned, Administrator of the Vadnais Lake Area Water Management Organization, hereby certify that I have carefully compared and attached the foregoing extract of minutes of a regular meeting of the Board of Directors of said watershed held on the 26th day of October 2022, with the original thereof on file in my office.

WITNESSED BY the Watershed Administrator this 26th day of October 2022.

\_\_\_\_\_  
Phil Belfiori, Administrator



To: Board of Directors

From: Phil Belfiori, Administrator

Date: October 14, 2022

Re: **VI.A.4.** General Engineering Services Proposals and Recommendation

---

## **Introduction and Background**

Pursuant to Minnesota Statute 103B.227, staff noticed and advertised a Request for Proposal (RFP) for general engineering services for 2023 and 2024. The general engineering fund was approved by the VLAWMO Board four years ago for the purpose of establish a dedicate fund to provide smaller cost /limited scope general technical services by an qualified engineering firm on an as needed basis when specific engineering expertise is needed. The selected firm would enter into a contract for a 2-year period. The general engineering fund includes \$30,000 in the 2023 approved budget and the funding levels for 2024 would be determined by the Board as part of the 2024 budgeting process. At the August 24, 2022 meeting, the VLAWMO Board also authorized starting a new engineering “pool” list which could include any firm not selected as the VLAWMO general engineer. This new engineering pool list would contain pre-qualifying firms that may also perform smaller cost /limited scope specialized technical services under the general engineering fund at the discretion of the administrator.

The advertisement for the RFP was placed in the Legal of MN Cities marketplace from the week of August 29 – September 30, 2022, in the White Bear Press on September 7 and 21, 2022, noticed at the offices and placed on the VLAWMO web page. Closing date to receive proposals was September 30, 2022.

## **Summary of Review of Proposals**

The RFP identified work that might include civil or water resource engineering, modeling, analysis, surveying or water resource science. Eighteen (18) proposals were received from engineering firms, they were (listed in alphabetical order):

1. Barr Engineering
2. Bolton & Menk
3. Burns & McDonnell
4. EOR
5. Graef
6. Hazen
7. Houston Engineering
8. ISG
9. Moore Engineering

10. Quetica
11. Rani Engineering
12. Resilience Resources
13. S.E.H.
14. SRF
15. Stantec
16. Ulteig
17. Windsor Engineering
18. Widseth

VLAWMO would like to thank each of these excellent firms for submission of their high quality proposals for their interest in VLAWMO.

Three staff members (Phil, Brian and Lauren) were asked to review all the proposals, score and comment. Scoring was based on the following experience factors: familiarity with VLAWMO, stormwater BMPs, feasibility studies, project design, grant knowledge and assistance, watershed management experience and overall approach identified in the proposal. The billing rates vary by job classification and is difficult to get equivalent comparison.

The three firms with the highest average score from staff reviews were S.E.H., Houston Engineering and Barr Engineering:

- S.E.H. has served in the position of VLAWMO general engineer for the last four years and is the lead design engineer for the recently constructed Whitaker Pond Biochar Project. SEH was also ranked the highest given they have perform well on the projects under the general engineering program, have been very responsive when contacted to answer technical questions, and has significant familiarity with VLAWMO through our municipalities.
- Houston Engineering has served as the VLAWMO public drainage technical advisor and design engineer for two recent public drainage maintenance projects on Ditch 14. Staff have found Houston to also very responsive in provide services and when contacted to answer technical questions.
- Barr Engineering is the current engineer for the spent line demonstration project /feasibility study on Oak Knoll Pond and serve as the technical advisor for technical work regarding East Goose Lake. Barr brings technical specialist in the area of shallow lakes management and has performed well in services provided.

### **Subcommittee Recommendation**

A staff summary memo and staff recommendation regarding 2023 /24 General Engineering Services was sent to the VLAWMO Subcommittee (Chair Lindner, Directors Jones and Youker) on October 10, 2022. Staff then

engaged each of the subcommittee members individually per the direction of Chair Lindner. As part of the discussion staff asked for each subcommittee member's recommendation to the full board on two items :

1. S.E.H. to continue to provide general engineering services in 2023 and 2024.
2. That all the 17 engineering firms that submitted proposals (that were not selected as VLAWMO's general engineer) to be placed on the VLAWMO's new engineering pool list that may be selected to perform smaller cost /limited scope specialized technical services under the general engineering fund at the discretion of the administrator.

Upon individual discussion with each of the subcommittee members, **the subcommittee reached consensus on the above two recommendations to the full Board.**

### Staff Recommendation

Based on the review of the proposals and consensus of the VLAWMO Subcommittee members, staff recommends Board approval of S.E.H. to continue to provide general engineering services in 2023 and 2024 and authorize the Board Chair and staff to sign the attached professional engineering services agreement identified as Attachment 2. Staff also recommends that Board approve that all the 17 engineering firms that submitted proposals (that were not selected as VLAWMO's general engineer as noted in memo above) to be placed on the VLAWMO's new engineering pool list that may be selected to perform smaller cost /limited scope specialized technical services under the general engineering fund at the discretion of the administrator.

### Requested Board Action

Director \_\_\_\_\_ moves and Director \_\_\_\_\_ seconds to approve S.E.H. to continue to provide general engineering services in 2023 and 2024 and authorize the Board Chair and staff to sign the attached professional engineering services agreement identified as Attachment 2. Furthermore, the Board approves that all the 17 engineering firms that submitted proposals (that were not selected as VLAWMO's general engineer as noted in memo above) to be placed on the VLAWMO's new engineering pool list that may be selected to perform smaller cost /limited scope specialized technical services under the general engineering fund at the discretion of the administrator.

### Attachments:

1. Powerpoint (attached in packet)
2. Linked: Professional Engineering Services Agreement with SEH with two exhibits:  
[https://www.vlawmo.org/index.php/download\\_file/4152](https://www.vlawmo.org/index.php/download_file/4152)
  - a. Request For Proposal for Engineering Services
  - b. SEH's Proposal

**Note:** the 2023 -24 Legal Services RFP is currently on notice and advertised in the VLAWMO web site, at LMC website and in the WB Press newspaper (as required). It is anticipated that this item will be brought forward for Board consideration at the December 14 Board meeting.

## Agenda item VI. A. 4

Attachment 1

# Consideration of General Engineering Services for 2023 and 2024

10/26/2022



## Introduction and Background



- The general engineering fund was approved by the VLAWMO Board four years ago for the purpose is to establishing a dedicate fund to provide smaller cost /limited scope general technical services by an qualified engineering firm on an as needed basis when specific engineering expertise is needed.
- The general engineering fund includes \$30,000 in the 2023 approved budget (funding levels for 2024 would be determined by the Board as part of the 2024 budgeting process).

Vadnais Lake Area Water Management Organization

## Introduction and Background



- At the August 24, 2022 meeting, the VLAWMO Board authorized staff to notice and advertised a Request for Proposal (RFP) for general engineering services for 2023 and 2024.
- Board also authorized to start a new engineering “pool” list which could include any firm not selected as the general engineer:
  - This new engineering pool list would contain pre-qualifying firms that may also perform smaller cost /limited scope specialized technical services under the general engineering fund at the discretion of the administrator.

Vadnais Lake Area Water Management Organization

## Summary of Review of Proposals



- The RFP identified work that might include civil or water resource engineering, modeling, analysis, surveying or water resource science.
- 18 proposals were received from engineering firms, they were (listed in alphabetical order).
- *VLAWMO would like to thank each of these excellent firms for submission of high quality proposals and for their interest in VLAWMO.*
  - Barr Engineering
  - Bolton & Menk
  - Burns & McDonnell
  - EOR
  - Graef
  - Hazen
  - Rani Engineering
  - Resilience Resources
  - S.E.H.
  - SRF
  - Stantec
  - Ulteig
  - Windsor Engineering
  - Widseth
  - Houston Engineering
  - ISG
  - Moore Engineering
  - Quetica

Vadnais Lake Area Water Management Organization

## Summary of Review of Proposals



- Three staff members reviewed proposals, scored and commented. Scoring was based on factors such as: familiarity with VLAWMO, stormwater BMPs, feasibility studies, project design, grant knowledge and assistance, watershed management experience and overall approach identified in the proposal.
- The billing rates vary by job classification and is difficult to get equivalent comparison.
- The three firms with the highest average score from staff reviews were S.E.H., Houston Engineering and Barr Engineering. Further summary of the staff review of each of these highest scoring proposals is provided in the staff memo in the Board packet.

Vadnais Lake Area Water Management Organization

## Subcommittee Recommendation



- A staff summary memo and staff recommendation regarding 2023 -24 General Engineering Services was sent to the VLAWMO Subcommittee on October 10, 2022.
- Staff then engaged each of the subcommittee members individually per the direction of Chair Lindner. Staff asked each subcommittee member for their recommendation on:
  1. S.E.H. to continue to provide general engineering services in 2023 and 2024.
  2. That all the 17 engineering firms that submitted proposals (that were not selected as VLAWMO's general engineer) to be placed on the VLAWMO's new engineering pool list that may be selected to perform smaller cost /limited scope specialized technical services under the general engineering fund at the discretion of the administrator.

**Subcommittee reached consensus on the above two recommendations to the full Board.**

Vadnais Lake Area Water Management Organization

## Staff Recommendation



- Based on the review of the proposals and consensus of the VLAWMO Subcommittee members, staff recommends Board approval of S.E.H. to continue as the VLAMWO engineer to provide general engineering services in 2023 and 2024
- Staff also recommends that Board approve that all the 17 engineering firms that submitted proposals (that were not selected as VLAWMO's general engineer as noted in memo above) to be placed on the VLAWMO's new engineering pool.

Vadnais Lake Area Water Management Organization

## Requested Board action



### Proposed Motion:

Director \_\_\_\_\_ moves and Director \_\_\_\_\_ seconds to approve S.E.H. to continue to provide general engineering services in 2023 and 2024 and authorize the Board Chair and staff to sign the attached professional engineering services agreement identified as Attachment 2. Furthermore, the Board approves that all the 17 engineering firms that submitted proposals (that were not selected as VLAWMO's general engineer as noted in memo above) to be placed on the VLAWMO's new engineering pool list that may be selected to perform smaller cost /limited scope specialized technical services under the general engineering fund at the discretion of the administrator.

Vadnais Lake Area Water Management Organization

**Intentional blank page**



To: VLAWMO Board of Directors  
From: Brian Corcoran  
Date: October 14, 2022

**Re: VI. B. 1. Consider AFP #1 and AFP #2 payment to Peterson for Whitaker Biochar Project**

### **Project Update**

Whitaker Biochar project update: The Board approved signing into contract with Peterson Companies at the Aug. 24, 2022 Board of Directors meeting. Project begin Sept. 30 and construction work was completed on October 13. Monitoring will begin spring of 2023. Staff will provide a short project update presentation at the Oct. 26<sup>th</sup> Board meeting.

### **Consideration of Payment to Contractor**

Staff received the AFP #1 invoice from Peterson Companies along with SEH approval to pay memo on October 12, 2022 for 95% of contract amount with 5% held for retainage. Project is 100% complete, but Job Box and silt fence still needs to be removed (as of Oct. 12).

Given the unique timing of project completion and the next VLAWMO Board meeting (Which is Dec. 14, 2022), staff requests that the Board take two actions related to payment of the contractor:

1. The Board approve payment and authorize Chair Lindner to sign the AFP #1 invoice for payment of 95% of contract amount(\$125,732.50).
2. The Board authorize Chair Lindner to approve and sign AFP #2 for the 5% retainage (\$6,617.50) when received and pending SEH final determination that the project as constructed is consistent with the approved plans.

### **Staff Recommendation**

Staff recommends the approval of above mentioned two Board actions.

### **Proposed Motion**

Moved by \_\_\_\_\_ and seconded by \_\_\_\_\_ to approve payment and authorize Chair Lindner to sign the AFP #1 invoice for payment of 95% of contract amount (\$125,732.50).

Furthermore, the Board authorize Chair Lindner to approve and sign AFP #2 for the 5% retainage (\$6,617.50) when received and pending SEH final determination that the project as constructed is consistent with the approved plans.

### **Attachments:**

1. Powerpoint Slides: [https://www.vlawmo.org/index.php/download\\_file/4153](https://www.vlawmo.org/index.php/download_file/4153)
2. AFP #1 and documentation of approval of payment from SEH



Building a Better World  
for All of Us®

October 12, 2022

RE: Vadnais Lake Area Water Management  
Organization (VLAWMO)  
Whitaker Pond Improvements  
SEH No. VADLA 159595

Phil Belfiori, Administrator  
VLAWMO  
800 E County Rd E  
Vadnais Heights, MN 55127

Dear Phil:

Please find enclosed Application for Payment No. 1 for the referenced project. The activities completed to date have been reviewed and we hereby recommend approval for payment to Peterson Companies, Inc. in the amount of \$125,732.50. This amount represents 100% of the work completed, with 5% held for retainage (\$6,617.50).

If approved, please sign and forward payment, along with a copy of the signed pay application to Peterson Companies, Inc., retaining the original for VLAWMO records.

Please don't hesitate to contact me with any questions or comments. Thank you.

Sincerely,

A handwritten signature in black ink that reads "Emily Jennings".

Emily Jennings, PE  
Project Manager  
(Lic. MN)

ekj  
Enclosures

X:\UZ\WVADLA\159595\7-const-svcs\73-app-pymt\AFP#1



**Application for Payment**

(Lump Sum Contract)

No. 1

Eng. Project No.: VADLA 159595

Location: Vadnais Lake Area Water Management Organization (VLAWMO)

Contractor	<u>Peterson Companies, Inc.</u>	Contract Date	<u>September 15, 2022</u>
	<u>8326 Wyoming Trail</u>		
	<u>Chisago City, MN 55013</u>	Contract Amount	<u>\$ 132,350.00</u>

Contract for Whitaker Pond Improvements

Application Date 10/11/2022 For Period Ending 10/11/22

<b>Description</b>	<b>Schedule</b>	<b>Percent Complete</b>	<b>Amount Earned</b>
Biochar Basin	<u>132,350</u>	<u>100</u>	<u>\$132,350.00</u>

**Application for Payment (continued)**

Total Contract Amount	\$ <u>132,350.00</u>	Total Amount Earned	\$ <u>132,350.00</u>
Contract Change Order No. _____		Material Suitably Stored on Site, Not Incorporated into Work	_____
Contract Change Order No. _____		Percent Complete	_____
Contract Change Order No. _____		Percent Complete	_____
Less Previous Applications:		Percent Complete	_____
AFP No. 1: _____	AFP No. 6: _____	GROSS AMOUNT DUE	\$ <u>132,350.00</u>
AFP No. 2: _____	AFP No. 7: _____	LESS <u>5</u> % RETAINAGE	\$ <u>6,617.50</u>
AFP No. 3: _____	AFP No. 8: _____	AMOUNT DUE TO DATE	\$ <u>125,732.50</u>
AFP No. 4: _____	AFP No. 9: _____	LESS PREVIOUS APPLICATIONS	\$ _____
AFP No. 5: _____		AMOUNT DUE THIS APPLICATION	\$ <u>125,732.50</u>

**CONTRACTOR'S AFFIDAVIT**

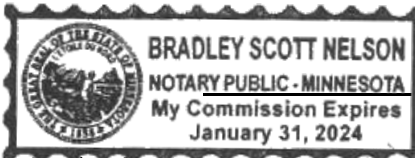
The undersigned Contractor hereby swears under penalty of perjury that (1) all previous progress payments received from the Owner on account of work performed under the Contract referred to above have been applied by the undersigned to discharge in full all obligations of the undersigned incurred in connection with work covered by prior Payment under said contract, Whitaker Pond Improvements, Vadnais Lake Area Water Management Organization (VLAWMO), and (2) all material and equipment incorporated in said Project or otherwise listed in or covered by this Application for Payment and free and clear of all liens, claims, security interests and encumbrances.

Date October 12, 2022 Peterson Companies, Inc.  
(Contractor)

COUNTY OF Chisago )  
STATE OF Minnesota ) SS By Jake Sikora, Project Manager II  
(Name and Title)

Before me on this 12 day of October, 2022, personally appeared Jake Sikora known to be, who being duly sworn did depose and say that he is the Project Mangaer (office) of the Contractor above mentioned that he executed the above Application for Payment and Affidavit on behalf of said Contractor; and that all of the statements contained therein are true, correct and complete.

My Commission expires 1/31/24



Bradley Scott Nelson  
(Notary Public)

The undersigned has checked the Contractor's Application for Payment shown above. A part of this Application is the Contractor's Affidavit stating that all previous payments to him under this contract have been applied by him to discharge in full all of his obligations in connecting with the work by all prior Applications for Payment.

In accordance with the Contract, the undersigned recommends approval of payment to the Contractor for the Amount due.

Emily Jennings

**Short Elliott Hendrickson Inc.**

By Emily Jennings

Date 10/12/2022

**VLAWMO**

By \_\_\_\_\_

Date \_\_\_\_\_

To: Board of Directors

From: Brian Corcoran

Date: October 17, 2021

Re: **VI. C. 1. Consider Polar Industrial WCA replacement plan**

Capital Partners is proposing the Polar Industrial development project within an approximately 51-acre site in White Bear Township. The Polar Industrial project will include grading for three proposed commercial buildings (combined footprint of 430,500 sq ft) and corresponding parking lots. Site development will also include installation of municipal utilities, mass grading and stormwater management practices. The project area is primarily a hay field on the central portion, with planted rows of trees on the northeast portion, and wetlands along the perimeter.

The Polar Industrial project will involve approximately 0.45 acres of permanent wetland impact and convert 17.4 acres of hay field and 5.4 acres of planted tree rows to construct the project. Site will include 14.7 acres of wetland avoidance and 3.5 acres of hay field conversion to grassland. Permanent wetland impacts of 0.4467 acres on will be replaced via the purchase of wetland bank credits from Bank #1698, Major Watershed 20, BSA 7 at a ratio of 2:1 (0.8934 acres).

A pre and post hydrological study was conducted and demonstrated that wetland types or conditions will not be altered to the point of degradation from proposed project.

- A wetland Boundary & Type was approved for this site on 12.3.2018
- A wetland No-Loss (incidental wetland) was approved for this site on 6.18.2021
- A Technical Evaluation Panel (TEP) meeting was held with BWSR, DNR, Delineator and Developer on 10.3.2022 to provide comment on original 8.19.2022 Replacement Plan and to request changes (See WCA TEP FOF)

**Attachments:**

- Delineation Polar Industrial Wetland Permit Application rev 10-14-2022 KES  
**LINK:** [https://www.vlawmo.org/index.php/download\\_file/4150/](https://www.vlawmo.org/index.php/download_file/4150/)
- WCA TEP FOF\_Polar Industrial Replacement Plan
- Staff will present a PowerPoint at Board of Directors meeting

**Recommendation:** Approval of Sequencing for filling portions of Wetland 2 (0.069ac), Wetland 3A (0.230ac), Wetland 3 (0.010ac), Wetland 4 (0.060ac) and all of Wetland 5 (0.077ac) and Replacement plan for 0.4467ac of permanent impact through purchase of banking credits at 2:1 from Bank #1698 Major Watershed 20, BSA 7, same service area as proposed project.

## Minnesota Wetland Conservation Act Technical Evaluation Panel Form

This form can be used to document TEP findings and recommendations related to WCA decisions, determinations, enforcement and pre-application reviews.

<b>Local Government Unit:</b> Vadnais Lake Area WMO	<b>County:</b> Ramsey
<b>Landowner/Applicant:</b> Capital Partners	<b>Agent/Representative(s):</b> Kjolhaug
<b>Project Name:</b> Polar Industrial	<b>Project No. (if any):</b> 7.2022
<b>Project Location:</b> southwest 1/4 of the northeast 1/4 of Section 9, Township 30 North, Range 22 West	

**Purpose of TEP Findings/Recommendation** - check all that apply and describe

<input type="checkbox"/> Pre-application review <input checked="" type="checkbox"/> Application Review (related to WCA Decision)    10/3/22 virtual <input type="checkbox"/> Local Government Road Wetland Replacement Program Eligibility <input type="checkbox"/> WCA Determination Request <input checked="" type="checkbox"/> Other (specify): see below <b>Describe:</b> Review application with TEP, delineator and Capital Partners rep
---

**Meeting Type** – check all that apply and specify dates as applicable

<input type="checkbox"/> In-Person Meeting(s), Date(s): <input type="checkbox"/> Onsite Review(s), Date(s):	<input checked="" type="checkbox"/> Electronic Exchanges (email, skype, etc.)    10.3.22 <input type="checkbox"/> Other (specify):
--	---

**Findings and Recommendations**

10.3.22 TEP had a virtual meeting to discuss replacement plan application and DNR easement clarification. TEP is requesting sequencing clarification on avoidance alternatives (currently two NO-Build alternatives), information on pre and post drainage to wetlands showing that there will be minimal hydrology issues to existing wetlands and clarification on identified DNR easement and how wetland impact within that easement will be handled. TEP requested that delineator provide other potential development areas and conduct an offsite market analysis of other potential properties in the area; add additional language explaining the purpose and need of the project including building layout, size and access roads; clarification of the potential DNR easement for Wetland 3/3A; complete pre and post hydro modeling for wetlands 1-4; revise site plan with turn lanes along western county road. Delineator will provide an updated delineation and application addressing the above TEP requests.
---

<input type="checkbox"/> Attachment(s) (specify):
---

**DNR Protected Waters and Shoreland Protection Zone**

Will the project/activity affect DNR public waters, DNR public waters wetlands or wetlands within the shoreland protection zone? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No    If yes, DNR representative is a member of the TEP.
--

**Signatures**

<input checked="" type="checkbox"/> LGU TEP Member: Brian Corcoran <input type="checkbox"/> No Signature:	Agree with Findings & Recommendations: <input checked="" type="checkbox"/> Yes Date: 10/14/2022
<input type="checkbox"/> SWCD TEP Member: Signature:	Agree with Findings & Recommendations: <input type="checkbox"/> Yes <input type="checkbox"/> No Date:

<input checked="" type="checkbox"/> BWSR TEP Member: Ben Meyer No	Agree with Findings & Recommendations: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Signature: <i>Benjamin L. Meyer</i>	Date: 10/14/2022
<input type="checkbox"/> DNR TEP Member:	Agree with Findings & Recommendations: <input type="checkbox"/> Yes <input type="checkbox"/> No
Signature:	Date:

**Intentional blank page**