

VLAWMO TECHNICAL COMMISSION MEETING
7:30 AM JULY 10, 2020

Meeting will be held by Zoom teleconference

Join via web: <https://us02web.zoom.us/j/83828772829?pwd=RzhmTEFRSGdkYnh6ZHd4cW9vNDc3Zz09>

Join by phone: +1-312-626-6799; meeting ID: 838 2877 2829; password: 234257

Action items: ✎

- I. **Call to Order – 7:30am –Chair Gloria Tessier**
- II. **Approval of Agenda**
- III. **Approval of Minutes (June 12, 2020)**
- IV. **Administration & Operations**
 - A. Financial Report for July & authorization for payment ✎
 - B. TEC Meeting Format Discussion
 - C. Summary of 2021 Approved Budget - Phil
- V. **Programs**
 - A. Education & Outreach – Nick
 - 1. Floodplain Friday series
 - 2. General update: July-Aug projects
 - B. Cost Share – Tyler
 - 1. Landscape Level 1: 2020-12 Easton Native Restoration, NO ✎
- VI. **Projects**
 - A. Lambert Lake Update – Dawn
 - B. Yellow Iris Removal and Press – Dawn
 - C. Aquatic Veg Surveys with RCSWCD - Dawn
 - D. Wilkinson Feasibility Study Update – Dawn
 - E. Girl Scouts Silver Award – Dawn
 - F. ENRTF/Vadnais-Sucker Park Update – Dawn
 - G. Frog and Toad Story Map Update - Dawn
 - H. Remote-camera Story Map - Dawn
 - I. East Goose Boat Access Update – Brian
- VII. **Commissioner Reports:** Update request from BLID re: annual meeting
- VIII. **NOHOA**
- IX. **Ramsey Soil & Water Conservation Division:**
- X. **St. Paul Regional Water Services**
- XI. **Public Comment**
- XII. **Next Meetings:** TEC: August 14, 2020
Board of Directors Meeting: August 24, 2020.
- XIII. **Adjourn**

Events:

August 13th: Rainbarrel workshop

August 22nd & 23rd: Neighborhood watershed tour

vlawmo.org/events



The Vadnais Lake Area Water Management Organization
800 County Road E East, Vadnais Heights, 55127 651-204-6070
Website: www.vlawmo.org; Email: office@vlawmo.org

Vadnais Lake Area Water Management Organization
Technical Commission Minutes
June 12, 2020

WebEx Teleconference Open Meeting: <https://meetingsamer9.webex.com/meet/tyler.thompson>
By Telephone: dial +1-408-418-9388 and enter the access code: 626 368 138, followed by #

Commission Members Present:

Gloria Tessier	Chair, Gem Lake (GL)
Jesse Farrell	Vice Chair, Vadnais Heights (VH)
Bob Larson	Treasurer, North Oaks (NO)
Paul Duxbury	White Bear Township (WBT)
Andy Nelson	Lino Lakes (LL)

Commission Members Absent: Terry Huntrods (WBL)

Others in attendance: Phil Belfiori, Brian Corcoran, Dawn Tanner, Nick Voss, Tyler Thompson (VLAWMO); Gary Eagles (North Oaks Company); Justine Roe (SPRWS); Connie Tailon (WBL); Diane Gorder (NO); Ed Shapland (CAC).

- I. **Call to Order** Chair Tessier called the meeting to order at 7:33 am. A roll call was made for attending Commissioners of the electronic meeting: Farrell: present Larson: present Duxbury: present Huntrods: absent Nelson: present Tessier: present.
- II. **Approval of Agenda**
The agenda for the June 12, 2020 Technical Commission Meeting was presented for approval, as presented.
It was moved by Larson and seconded by Farrell to approve the June 12, 2020 TEC agenda, as presented. Vote: Tessier: aye Farrell: aye Larson: aye Duxbury: aye Nelson: aye Motion passed.
- III. **Approval of Minutes**
It was moved by Duxbury and seconded by Larson to approve the May 8, 2020 meeting minutes, as presented. Vote: Tessier: aye Farrell: aye Larson: aye Duxbury: aye Nelson: aye Motion passed.
- IV. **Administration & Operations**
 - A. **TEC Report to the Board, Financial Report for June & Authorization for Payment**
Belfiori presented the June 2020 Technical Commission Report to the Board and the June Financial Report for review and authorization of payments.
Discussion:
It was moved by Larson and seconded by Duxbury to approve the June Treasurer's Report and authorization of payments. Vote: Tessier: aye Farrell: aye Larson: aye Duxbury: aye Nelson: aye. Motion passed.

It was moved by Larson and seconded by Duxbury to approve the June TEC Report to the Board. Vote: Tessier: aye Farrell: aye Larson: aye Duxbury: aye Nelson: aye. Motion passed.
- V. **Programs**
 - A. **Education & Outreach**
 1. **General update: Summer projects and programs**
Voss gave a rundown of dates for scheduled projects and programs for Education & Outreach, going into summer 2020. Some of the workshops will be in-person, but some many have transitioned into teleconference format for adapting to COVID-19 measures. Master Water Stewards will be leading the VLAWMO cost share tour this

summer, with attendees driving themselves to project sites at different times, to allow for social distancing.

B. Cost Share

Thompson updated that the Landscape Level 2 2020-04 Lower Lambert Creek restoration was approved at the May 27th Special Meeting of the Board and is moving forward, and the Landscape Level 2 grant fund has been exhausted for 2020. Before committing funding to the applications for the June TEC meeting, \$11,345 remains in the LL1 cost share fund for allocation in 2020.

1. Landscape Level 1: 2020-09 Crosby Raingarden, WBL

A LL1 application was received for a small raingarden by a resident in White Bear Lake for routing, infiltration, and treatment of their rooftop drainage (252 sq feet) with a basin totaling 35 square feet. The applicant will be doing the project themselves, resulting in low project cost and has been estimated to be \$721. The applicant is requesting \$540 (75% project total) in Landscape Level 1 cost share funding. Staff is recommending approval of LL1 2020-09 for funding in the amount of \$540.00

Discussion: none.

It was moved by Farrell and seconded by Larson for approval of application and funding in the amount of \$540.00 for LL1 2020-09, as presented. Vote: Tessier: aye Farrell: aye Larson: aye Duxbury: aye Nelson: aye. Motion passed.

2. Landscape Level 1: 2020-10 Johnson Pond Shoreline Restoration, WBL

After staff conducted a site visit with the Johnsons for cost share grant opportunities for a shoreline restoration around their pond to include pollinator habitat, they reached out to Natural Shore Technologies for a bid to restore the shoreline. The bid proposes restoring a 2-foot buffer around the circumference of the pond, including mulch in planted areas, and planting plugs at 1.5-foot spacing. Included in NST's proposal, but not included in the Johnson's asked cost share funding match is necessary maintenance for the 2021 growing season. The total estimated project cost (not including 2021 maintenance) is \$2,223, and the applicant is requesting \$1,667.25 (75%) in Landscape Level 1 cost share funding. Staff is recommending approval of LL1 2020-10 for funding in the amount of \$1,667.25.

Discussion: none.

It was moved by Duxbury and seconded by Larson for approval of application and funding in the amount of \$1,667.25 for LL1 2020-10, as presented. Vote: Tessier: aye Farrell: aye Larson: aye Duxbury: aye Nelson: aye. Motion passed.

3. Landscape Level 1: 2020-11 Kelsey Native & Drainage Restoration, VH

An application was received from the Kelseys for removal of existing landscaping and replacement with a 700 square foot native plant restoration. The project will improve drainage and increase infiltration to reduce sheet-flow drainage to their backyard and a wetland behind the property. Northland Grounds & Landscaping is being hired for removal of current landscaping and site preparation for the Kelseys, along with family & friends, to plant the area with native plugs. The project will be concurrently sequestering drainage that is making its way to the backyard and into a wetland. The total estimated cost of the project is \$3,200, and the applicants are requesting \$2,000 (62.5%) in Landscape Level 1 cost share funding. Staff is recommending approval of LL1 2020-11 for funding in the amount of \$2,000.00

Discussion: none.

It was moved by Larson and seconded by Duxbury for approval of application and funding in the amount of \$2,000.00 for LL1 2020-11, as presented. Vote: Tessier: aye Farrell: aye Larson: aye Duxbury: aye Nelson: aye. Motion passed.

C. WCA

1. Anderson Woods wetland replacement plan

Corcoran reported that North Oaks Company is proposing a 21.43 acre, 9-lot, single family residential development, known as Anderson Woods South. The project will include a street and utilities. The site does not include any existing structures. Stormwater management practices will provide treatment of runoff before discharge to wetlands after development.

Anderson Woods South will require 0.1925 acre of permanent impact to one wetland. The need for a safe, efficient and functional site access street consistent with land use guidance and accepted engineering practices renders proposed wetland impacts unavoidable. The project has been designed to minimize wetland impacts to the extent practicable and includes construction practices to reduce or eliminate secondary wetland impacts.

Permanent wetland impacts will be replaced by withdrawing 0.3850 acre of wetland credit from the North Oaks Company wetland bank, Account #170. This wetland bank is owned by the Applicant and located within the same County, Major Watershed, and Bank Service Area as the wetland impact. Staff is recommending approval of proposed impacts and recommendation to the Board for consideration at their June 24th, 2020 meeting.

Discussion: none.

It was moved by Farrell and seconded by Duxbury for recommendation to the VLAWMO Board for approval of proposed 0.1925 acres of wetland impacts by use of 0.3850 acres of existing wetland banking credits from North Oaks Company wetland bank, account #170. Vote:

Tessier: aye Farrell: aye Larson: aye Duxbury: aye Nelson: aye. Motion passed.

VI. Projects

A. East Goose Alum Grant Update

Belfiori summarized that the Board of Directors' decision at their special May meeting to pursue "option 2" which was to authorize staff to take the necessary steps to pursue the "Adaptive Lake Management program" for East Goose Lake. He identified that the Board also • directed staff to stop the negotiation process with BWSR and send communication to BWSR notify them that the VLAWMO Board has decided to not to continue to pursue the Clean Water Funds grant for the East Goose Lake Alum Treatment.

He noted that this Board decision was made consistent with a consensus recommendation from the special subcommittee to the full Board to pursue "option 2". As background, Belfiori provided an overview of how "option 2" Adaptive Lake Management program would work including how the lake management of East Goose Lake would be adapted through time by analysis of Lake treatment results. He also highlighted the tentative timeline to implement the approved adaptive lake management program and explained the projected cost estimates of the program.

Discussion: Farrell asked about the possibility of spent lime for in-lake treatment of East Goose and other lakes as a more cost-effective alternative. Belfiori answered that spent lime is currently being studied for its effectiveness and feasibility for treating internal loading and if it is found to be feasibility could be considered as a more cost effective alternative to alum for future treatments to reduced internal phosphorus loading.

B. Lambert Lake Update

Tanner updated that staff continues to work with SEH, and commenting on the EAW runs until 6/17, and 2 comments have been received from 2 agencies and have been in support of the project. The stakeholder meeting was held on 5/20, and staff appreciates the help from VH City staff. Staff has and is responding to public comments and questions. SEH is working to amend DNR and USACE permits. Cost estimate tables are being prepared, and preparation for bidding has begun to try and mitigate cost uncertainty due to current state of affairs.

C. Carp Project West Vadnais Lake Update

Tanner noted that the carp barrier is being checked on West Vadnais several times per week, the barrier is working well and no removals has been warranted yet with these smaller populations that have been evident. Carp tracking continues on the North Oaks chain, carp numbers are small, and removal is being planned for fall 2020.

D. Pleasant Lake Sedimentation Study: Core Samples & Bathymetry

Staff has been coordinating with SPRWS and Barr, and internal loading core samples have been spread evenly throughout Pleasant to get a better scope of internal loading distribution within the Lake. Tanner asked if SPRWS has any updates for funding assistance for 2021 sediment study operations. Roe reported nothing has been decided, either way, on funding support.

E. Wilkinson Feasibility Study Update

Tanner noted that SEH has identified 40 possible sites for BMP implementation in the Wilkinson subwatershed, with 11 of them being high priority. Staff is reviewing these documents for refining and suggestions of these targeted projects, based on field conditions and site possibilities. Staff will be meeting with SEH on June 22nd to refine the study.

F. Birch Lake 4th & Otter Update

Thompson reported that the Birch Lake iron-enhanced sand filter construction has been completed and Barr engineering is working on final finishing items, cost calculations, and preparing as-built drawings. The backflow-prevention valve was installed the week of the TEC meeting and the filter is now on-line and treating incoming stormwater. Staff will begin working on water quality sampling for the filter. Tanner noted that the native plant restoration on site has been on-going with coordination with the Bacon's and Connie Tailon. The property owner is interested in extending native plantings onto his immediate backyard, and the neighbors have all taken interest in their own yards for moving forward with interest in continuing restoration onto their property.

VII. Commissioner Reports

Farrell noted that future reconstruction of the 4th & Otter intersection project could open the door to expansion and building on the 4th Street & Otter Lake Road IESF. Tessier noted she prefers to carry on teleconference meetings for future TEC meetings, but proposed exploring use of the City of Vadnais Heights council chambers for a possible meeting.

VII. NOHOA

Tanner noted that yellow iris removal took place on Deep Lake in 2019 and a permit is held to do more planned removals.

IX. St. Paul Regional Water Service (SPRWS) Report

Roe noted that the majority of staff that is able has been working remotely and customer service will reopen on June 29th to the public.

X. Ramsey Soil & Water Conservation Division (RCSWCD) Report

None.

XI. Public Comment

Tailon confirmed that she will transmit Farrell's comments on to the White Bear Lake City Engineer.

XII. Next Meetings

TEC: July 10th, 2020; Board: June 24th, 2020

XII. Adjourn

It was moved by Farrell and seconded by Larson to adjourn at 8:44 am. Vote: Tessier: aye Farrell: aye Larson: aye Duxbury: aye Nelson: aye. Motion passed.

Minutes compiled and submitted by Tyler Thompson.

July-20		Actual 7/1/20	Actual to Date	2020 Budget	2019 carry over/Grants	Remaining in Budget	2020 Available	Act vs. Budget
BUDGET #	INCOME							
5.11	Storm Water Utility	\$0	\$16,449	\$890,800	\$0	\$874,351	\$890,800	2%
5.12	Service Fees	\$100	\$100	\$200	\$0	\$100	\$200	50%
5.13	Interest + mitigation acct	\$35	\$4,106	\$5,000	\$0	\$894	\$5,000	82%
5.14	Misc. income - WCA admin & other	\$2,000	\$5,150	\$3,000	\$0	(\$2,150)	\$3,000	172%
5.15	Other Income Grants	\$12,718	\$45,766	\$0	\$0	(\$45,766)	\$0	
5.16	Transfer from reserves	\$50,000	\$150,000	\$0	\$0	(\$150,000)	\$0	
	TOTAL	\$64,853	\$221,571	\$899,000	\$0	\$677,429	\$899,000	25%

EXPENSES								
3.1	Operations & Administration							
3.110	Office - rent, copies, post tel supplies	\$1,885	\$13,832	\$25,200	\$0	\$11,368	\$25,200	55%
3.120	Information Systems	\$0	\$6,895	\$20,000	\$2,000	\$15,105	\$22,000	31%
3.130	Insurance	\$0	\$120	\$5,800	\$0	\$5,680	\$5,800	2%
3.141	Consulting - Audit	\$0	\$6,893	\$6,700	\$0	(\$193)	\$6,700	103%
3.142	Consulting - Bookkeeping	\$0	\$0	\$1,500	\$0	\$1,500	\$1,500	0%
3.143	Consulting - Legal	\$0	\$299	\$4,000	\$2,500	\$6,201	\$6,500	5%
3.144	Consulting - Eng. & Tech.	\$0	\$1,503	\$30,000	\$0	\$28,497	\$30,000	5%
3.150	Storm Sewer Utility	\$0	\$3,478	\$14,000	\$0	\$10,522	\$14,000	25%
3.160	Training (staff/board)	\$0	\$0	\$4,500	\$1,500	\$6,000	\$6,000	0%
3.170	Misc. & mileage	\$271	\$2,741	\$5,500	\$800	\$3,559	\$6,300	44%
3.191	Administration - staff	\$26,616	\$222,086	\$347,200	\$50,000	\$175,114	\$397,200	56%
3.192	Employer Liability	\$7,650	\$58,618	\$89,600	\$12,000	\$42,982	\$101,600	58%
3.2	Monitoring and Studies							
3.210	Lake and Creek lab analysis	\$2,527	\$4,492	\$22,000	\$10,000	\$27,508	\$32,000	14%
3.220	Equipment	\$89	\$236	\$4,000	\$0	\$3,764	\$4,000	6%
3.230	Wetland assessment & management	\$0	\$0	\$10,000	\$0	\$10,000	\$10,000	0%
3.3	Education and Outreach							
3.310	Public Education	\$116	\$2,363	\$8,500	\$1,000	\$7,137	\$9,500	25%
3.320	Marketing	\$41	\$1,663	\$7,500	\$0	\$5,837	\$7,500	22%
3.330	Community Blue Ed Grant	\$0	\$7,952	\$10,000	\$2,000	\$4,048	\$12,000	66%
<i>Total Core functions: Ops, Monitoring, Education</i>		<i>\$39,195</i>	<i>\$333,171</i>	<i>\$616,000</i>	<i>\$81,800</i>	<i>\$364,629</i>	<i>\$697,800</i>	<i>48%</i>

Capital Improvement Projects and Programs								
3.4	Subwatershed Activity							
3.410	Gem Lake	\$0	\$0	\$0	\$0	\$0	\$0	
3.420	Lambert Creek	\$257	\$60,779	\$120,000	\$63,275	\$122,496	\$183,275	33%
3.425	Goose Lake	\$2,622	\$34,690	\$60,000	\$150,316	\$175,626	\$210,316	16%
3.430	Birch Lake	\$4,658	\$22,877	\$10,000	\$39,067	\$26,190	\$49,067	47%
3.440	Gilf Black Tam Wilk Amelia	\$2,042	\$7,362	\$30,000	\$50,000	\$72,638	\$80,000	9%
3.450	Pleasant Charley Deep	\$11,360	\$14,965	\$10,000	\$9,000	\$4,035	\$19,000	79%
3.460	Sucker Vadnais	\$0	\$3,164	\$12,000	\$10,000	\$18,836	\$22,000	14%
3.48	Programs							
3.481	Landscape 1	\$8,206	\$11,172	\$24,000	\$11,500	\$24,328	\$35,500	31%
3.482	Landscape 2	\$0	\$20,169	\$20,000	\$11,361	\$11,192	\$31,361	64%
3.483	Project Research & feasibility	\$0	\$9,725	\$0	\$0	(\$9,725)	\$0	#DIV/0!
3.470	Facilities Maintenance	\$0	\$0	\$5,000	\$29,176	\$34,176	\$34,176	0%
3.5	Regulatory							
3.510	Engineer Plan review	\$0	\$0	\$2,000	\$0	\$2,000	\$2,000	0%
<i>Total CIP & Program</i>		<i>\$29,145</i>	<i>\$184,903</i>	<i>\$293,000</i>	<i>\$373,695</i>	<i>\$481,792</i>	<i>\$666,695</i>	<i>28%</i>
Total of Core Operations & CIP		\$68,340	\$518,074	\$909,000	\$455,495	\$846,421	\$1,364,495	38%

Fund Balance	6/1/2020	7/1/2020
4M Account	\$78,584	\$103,141
4M Plus Savings	\$513,398	\$363,428
Total	\$591,982	\$466,569

Restricted funds	7/1/2020
Mitigation Savings	\$21,035
Term Series (3/28/19)	\$0

Vadnais Lake Area Water Management Orga
Profit & Loss
 June 13 through July 10, 2020

10:09 AM
 07/01/2020
 Cash Basis
 Jun 13 - Jul 10, 20

Ordinary Income/Expense	
Income	
Mitigation Interest	0.17
5.1 · Income	
5.12 · Service Fees	100.00
5.13 · Interest	34.76
5.14 · WCA sub-grant & Misc.	2,000.00
Total 5.1 · Income	<u>2,134.76</u>
6.6.6 · Grants	12,718.11
Total Income	<u>14,853.04</u>
Gross Profit	<u>14,853.04</u>
Expense	
3.1 · Administrative/Operations	
3.110 · Office	
Copies	53.28
Phone/Internet/Machine Overhead	275.00
Postage	16.65
Rent	1,540.00
Total 3.110 · Office	<u>1,884.93</u>
3.160 · Training (staff/board)	0.00
3.170 · Misc. & mileage	270.83
3.191 · Employee Payroll	
payroll	26,616.00
Total 3.191 · Employee Payroll	26,616.00
3.192 · Employer Liabilities	
Admin payroll processing	44.92
Administration FICA	1,843.73
Administration PERA	1,996.20
Insurance Benefit	3,765.57
Total 3.192 · Employer Liabilities	<u>7,650.42</u>
Total 3.1 · Administrative/Operations	<u>36,422.18</u>
3.2 · Monitoring and Studies	
3.210 · Lake & Creek lab analysis	2,527.00
Total 3.2 · Monitoring and Studies	<u>2,527.00</u>
3.3 · Education and Outreach	
3.310 · Public Education	115.79
3.320 · Marketing	40.80
Total 3.3 · Education and Outreach	<u>156.59</u>
3.4 · Capital Imp. Projects/Programs	
3.420 · Lambert Creek Restoration	
Whitaker Wetlands	256.82
Total 3.420 · Lambert Creek Restoration	<u>256.82</u>
3.425 · Goose Lake	

WB Funding - Goose subshed	2,622.00
Total 3.425 · Goose Lake	<u>2,622.00</u>
3.430 · Birch Lake	
4th & Otter project	4,657.70
Total 3.430 · Birch Lake	<u>4,657.70</u>
3.440 · Gilfillan Black Tamarack Wilkin	2,042.39
3.450 · Pleasant Charley Deep	11,360.03
Total 3.4 · Capital Imp. Projects/Programs	<u>20,938.94</u>
3.48 · Programs	
3.481 · Landscape 1 - cost-share	8,206.18
Total 3.48 · Programs	<u>8,206.18</u>
Total Expense	<u>68,250.89</u>
Net Ordinary Income	<u>-53,397.85</u>
Net Income	<u><u>-53,397.85</u></u>

Vadnais Lake Area Water Management Organization
Check Detail

10:10 AM

07/01/2020

June 13 through July 10, 2020

Type	Num	Date	Name	Item	Account	Paid Amount	Original Amount
Check	eft	07/10/2020	further		Checking - 1987		-5.00
				Insurance Benefit		-5.00	5.00
TOTAL						-5.00	5.00
Check	eft	07/10/2020	Reliance Standard		Checking - 1987		-176.03
				Insurance Benefit		-176.03	176.03
TOTAL						-176.03	176.03
Check	4959	07/10/2020	City of Vadnais Heights		Checking - 1987		-1,884.93
				Rent		-1,540.00	1,540.00
				Phone/Internet/Machine Overhead		-200.00	200.00
				Phone/Internet/Machine Overhead		-75.00	75.00
				Postage		-16.65	16.65
				Copies		-53.28	53.28
TOTAL						-1,884.93	1,884.93
Check	4960	07/10/2020	RMB Environmental Laboratories, Inc.		Checking - 1987		-2,527.00
				3.210 · Lake & Creek lab analysis		-643.00	643.00
				3.210 · Lake & Creek lab analysis		-246.00	246.00
				3.210 · Lake & Creek lab analysis		-1,170.00	1,170.00
				3.210 · Lake & Creek lab analysis		-468.00	468.00
TOTAL						-2,527.00	2,527.00
Check	4961	07/10/2020	Victori Ribeiro		Checking - 1987		-1,017.43
				3.481 · Landscape 1 - cost-share		-1,017.43	1,017.43

TOTAL		-1,017.43	1,017.43
Check 4962 07/10/2020 Eric Biese	Checking - 1987		-2,000.00
	3.481 · Landscape 1 - cost-share	-2,000.00	2,000.00
TOTAL		<u>-2,000.00</u>	<u>2,000.00</u>
Check 4963 07/10/2020 Judy Lissick	Checking - 1987		-2,000.00
	3.481 · Landscape 1 - cost-share	-2,000.00	2,000.00
TOTAL		<u>-2,000.00</u>	<u>2,000.00</u>
Check 4964 07/10/2020 Gina Schmidt	Checking - 1987		-2,000.00
	3.481 · Landscape 1 - cost-share	-2,000.00	2,000.00
TOTAL		<u>-2,000.00</u>	<u>2,000.00</u>
Check 4965 07/10/2020 Stacy Childers	Checking - 1987		-1,188.75
	3.481 · Landscape 1 - cost-share	-1,188.75	1,188.75
TOTAL		<u>-1,188.75</u>	<u>1,188.75</u>
Check 4966 07/10/2020 SEH	Checking - 1987		-2,042.39
	3.440 · Gilfillan Black Tamarack Wilkin	-2,042.39	2,042.39
TOTAL		<u>-2,042.39</u>	<u>2,042.39</u>
Check 4967 07/10/2020 Barr Engineering Co	Checking - 1987		-18,639.73
	4th & Otter project	-4,657.70	4,657.70
	WB Funding - Goose subshed	-2,622.00	2,622.00
	3.450 · Pleasant Charley Deep	-11,360.03	11,360.03
TOTAL		<u>-18,639.73</u>	<u>18,639.73</u>
Check 4968 07/10/2020 Regents of the University of Minnesota	Checking - 1987		-256.82

	Whitaker Wetlands	-256.82	256.82
TOTAL		<u>-256.82</u>	<u>256.82</u>
	Check 4969 07/10/2020 Dawn Tanner	Checking - 1987	-94.88
	3.170 · Misc. & mileage	-94.88	94.88
TOTAL		<u>-94.88</u>	<u>94.88</u>
	Check 4970 07/10/2020 Tyler J Thompson	Checking - 1987	-64.80
	3.170 · Misc. & mileage	-64.80	64.80
TOTAL		<u>-64.80</u>	<u>64.80</u>
	Check 4971 07/10/2020 Brian Corcoran	Checking - 1987	-87.00
	3.170 · Misc. & mileage	-87.00	87.00
TOTAL		<u>-87.00</u>	<u>87.00</u>
	Check 4972 07/10/2020 Nicholas Voss	Checking - 1987	-139.94
	3.170 · Misc. & mileage	-24.15	24.15
	3.310 · Public Education	-115.79	115.79
TOTAL		<u>-139.94</u>	<u>139.94</u>
	Check 4973 07/10/2020 City of White Bear Lake	Checking - 1987	-34,085.39
	3.1913 · Water Resources Technician	-26,616.00	26,616.00
	Administration FICA	-1,843.73	1,843.73
	Administration PERA	-1,996.20	1,996.20
	Insurance Benefit	-3,584.54	3,584.54
	Admin payroll processing	-44.92	44.92
TOTAL		<u>-34,085.39</u>	<u>34,085.39</u>

Vadnais Lake Area Water Management Organization
Custom Transaction Detail Report
 June 1 through July 1, 2020

10:12 AM
 07/01/2020
 Accrual Basis

Type	Date	Num	Name	Memo	Account	Clr	Split	Amount	Balance
Jun 1 - Jul 1, 20									
Credit Card Charge	06/01/2020		hologram	account refill	US Bank CC	√	Software	30.00	30.00
Credit Card Charge	06/02/2020		Ace Hardware	pots for plants	US Bank CC	√	4th & Otter project	33.91	63.91
Credit Card Charge	06/02/2020		Google*SVCAPPS_VLAWM		US Bank CC	√	WEB	36.00	99.91
Credit Card Charge	06/05/2020		Forestry Supplies Inc	scale	US Bank CC	√	3.220 · Equipment	67.28	167.19
Credit Card Charge	06/08/2020		Ace Hardware	gloves yellow iris	US Bank CC		3.220 · Equipment	21.45	188.64
Credit Card Charge	06/25/2020		Prairie Restorations	seed for VH city hall burn	US Bank CC		3.320 · Marketing	40.80	229.44
								229.44	229.44
Jun 1 - Jul 1, 20									

TEC Staff Memo – July 2020

IV. Administration & Operations

- A. **Financial Report for July** –The July Financial Report is attached in the July ePacket.
- B. **TEC Meeting Format Discussion** - Gloria
- C. **Summary of 2021 Approved Budget.** Phil
 1. On June 19, the 2021 Budget /Finance Subcommittee met and came to a recommendation on a proposed 2021 budget that identified no increase in the SSU from 2020 rates (keeping the SSU rate for the single family home at apx. \$50.40.) The TEC was represented by Jesse Ferrell who provided important comments related to the needed capacity to implement high impact regional projects within the watershed.
 2. Staff presented the proposed recommended budget at the June 24 Board meeting and the Board members discussed the current economic realities and how the proposed recommended budget could affect the long term ability to implement many of the partnership based projects identified in the approved Watershed Plan.
 3. After further discussion, the Board approved a 2021 Budget that increases the SSU by 5% over 2020 rates.
 4. Overall the approved 2021 budget includes:
 - a. Targeting CIP /Project budgets in two Subwatershed funds (Goose Lake and Lambert Creek) given the ongoing and pending Projects;
 - b. Adjustments in employee payroll and benefits based on the Board approved salary policy and maintaining other core administrative programs at roughly 2020 levels;
 - c. Maintains core watershed management programs budgets such as monitoring, cost-share and education /outreach at approximately 2020 budget levels;
 - d. Provides additional revenue to pursue regional maintenance project on Ditch 14;
 - e. Total expenditures for 2021 projected at \$2,029,059 which will be paid utilizing: 1) \$1,134,380 of VLAWMO funds/ carry over funds from 2020, and 2) \$894,679 of loans, grants and partnerships funds.

V. Programs

A. Education and Outreach:

1. The #FoodplainFriday series is a summer series to build off of the Lambert Lake Pond and Meander project by expanding the topic of floodplains, wetlands, and water storage. Two episodes are posted on the VLAWMO YouTube page now. These are posted on Fridays, and when it's not an original VLAWMO video, VLAWMO social media posts an article, other video, or case study on the topic of floodplains for that Friday's post.

<https://www.youtube.com/watch?v=pQC3s4L0Z0Y&t=195s>

2. General update: VLAWMO's summer projects and programs are continuing to adapt to COVID-19 while striving to strengthen volunteer participation. Active projects July-August include:

- Rainbarrel installation workshop, Aug 13 (Master Water Steward, Community Blue)
- Neighborhood cost-share tour: Aug 22, 23 (Master Water Steward)
- Junior Watershed Explorer initiative (Master Water Steward)
- Neighborhood Spotlights: Conrad and Stacey (complete), goal of completing 5 others July-Aug: Shorelines, raingardens, stewardship
- Birch Lake 4th and Otter education sign (VLAWMO)
- Leaf Pack monitoring (Master Water Steward, WAV)
- Improved photos of cost-share projects, project comparisons over time (Master Water Steward)
- Picture posts and phenology partnership with Tamarack Nature Center now live (VLAWMO, Tamarack volunteers)
- Virtual and drive-along watershed tour/story map (VLAWMO)
- Healthy soils workshop with Blue Thumb, September (VLAWMO)

B. Cost Share

1. Landscape Level 1: 2020-12 Easton Native Planting, NO

After a staff site visit out to the applicant's property, they had 2 estimates completed for a project that would stabilize the hillside along their driveway with a native planting. The native planting would cover 800 square feet, plant 180 plugs, have a mulch depth of 4 inches, and is roughly 60 feet away from Teal Pond in North Oaks. The applicant has chosen Prairie Restorations Inc. as their contractor for a total project cost of \$2,780, and is requesting \$2,000 in Landscape Level 1 grant funding.

Staff is recommending approval of LL1 2020-12 for funding in the amount of \$2,000.00

VI. Projects

A. Lambert Lake Update

The Environmental Assessment Worksheet (EAW) Finding of Fact and Conclusions and Resolution 03-2020 was passed by the Board on June 24, 2020. The Finding was that an Environmental Impact Statement (EIS) was not needed. The Finding of Fact and Conclusions was submitted to the Environmental Quality Board (EQB) Monitor for publication on July 7, 2020.

Permit work is continuing with MN DNR and USACE. Both permits are currently in process.

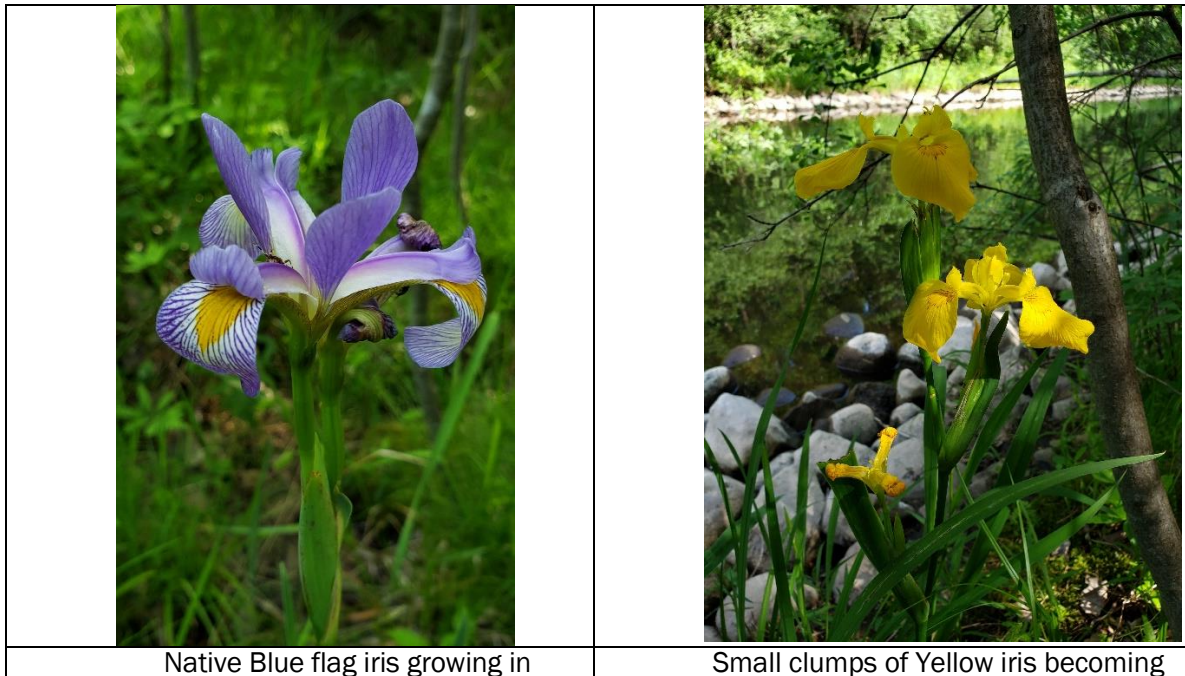
SEH updated anticipated costs for meander construction and sheetpile replacement. Updated costs were presented to the Board on June 24. Pending permit approval, VLAWMO plans to go out for bid in August, with approval from the Board at that time. UMN researchers are underway conducting lab tests for biochar and will be testing prototype designs starting in late July.



B. Yellow Iris Removal

Yellow iris is an invasive species present in the Vadnais Lake Area Watershed. Many people do not realize that it is invasive and are surprised to learn that, especially because it is considered so pretty. We only have native Blue flag iris in Minnesota, which is purple/blue and grows in shoreline and wetland areas. Yellow iris is highly aggressive, forms large monoculture stands, and outcompetes the native iris in areas where it overlaps. Yellow iris is established on Wilkinson Lake, Deep Lake, and in clumps on Pleasant Lake. It has been reported by residents in North Oaks on Mallard Pond. VLAWMO staff observed and removed 2 small clumps on the channel flowing into East Vadnais. VLAWMO staff also observed a small clump in a planting area on Birch Lake. Staff contacted the resident, and the Yellow iris was promptly removed by the resident. Prompt action was very much appreciated.

In 2019, VLAWMO staff surveyed Deep Lake for Yellow iris and obtained a permit for removal from MN DNR. A large removal effort with a pontoon was planned for 2020 but could not be carried out with appropriate social distance in place. A smaller effort was undertaken during June 2020, when Yellow iris are blooming to make ID rapid and easy, with coordination from residents in North Oaks (A huge thank you to Susan Miller and Diane Gorder!). A large stretch of shoreline was cleared of more than 300 pounds of Yellow iris. Yellow iris can be removed by hand, does not require chemical treatment, and the only disposal required is that it is composted above the Ordinary High Water Level. Yellow iris removed was composted on NOHOA property, above the OHWL. This effort will be reported to MN DNR, as part of the invasive species removal permit, and continued effort will be planned for 2021.



Staff prepared articles to help inform residents about Yellow iris. These were submitted to North Oaks News (for the August issue) and Press Pubs (for the July issue).



Vadnais-Sucker Park	established in Vadnais-Sucker Park (These were removed)
	
Large, well-established shoreline area dominated by Yellow iris	The same shoreline area with more than 300 pounds of Yellow iris removed

C. Aquatic Veg Surveys with RCSWCD

Aquatic veg and bathymetry surveys were completed on East Vadnais Lake (2 days, June 23 and 24) and Sucker Lake (June 30). Invasive Eurasian watermilfoil and Curly-leaf pondweed were abundant. Many native species with wide coverage were documented also. These surveys will be used to build Sustainable Lake Management Plans (SLMPs) for these lakes.

	
Cha and Dawn collecting plant data using the double-sided rake. Note: Dawn isn't angry at the plants; she's just focusing. 😊	The water was clear, and the vegetation healthy in many places including White water-crowfoot (flowers visible at the surface) and Flat-stemmed pondweed (visible in the foreground below the surface).

D. Wilkinson Feasibility Study Update

SEH, VLAWMO, and RCSWCD are focusing on 1-2 sites to advance engineering designs as far as possible so that the projects will be ready to propose for grant-funded work. The sites we are focusing on are #34 and #14 (from the High priority map included in the packet in June). Both involved planned road reconstructions in a reasonable timeframe to allow for planning and partner involvement. SEH is gathering more information about planned construction prior to advancing designs further.

E. Girl Scouts Silver Award

The Girl Scouts have been working on their Silver Award with D. Tanner for the past year. They have focused their project on expanding education about lead sinkers and wildlife. Their efforts led to proposed legislation by Representative Fischer and Senator Wiger during spring, 2020. Legislation was put on hold when COVID-19 issues became prevalent for the Legislature. The Girl Scouts have submitted their final project report and are awaiting news on receiving their award. Nice work, Girl Scouts! It's been a pleasure and inspiration working with you!

F. Environment and Natural Resources Trust Fund/Vadnais-Sucker Park Update

The 45-acre restoration in Vadnais-Sucker Lakes Regional Park was scheduled to begin this fall, pending contract signing during summer 2020. The House voted for the package of projects and approved ENRTF funds for the year. The Senate refused to vote, so the package is on hold. Great River Greening continues to coordinate and support our project in this suite of projects. We hope that the project will only wind up being delayed by a year. The future of this specific project is dependent upon action by the Legislature.

G. Frog and Toad Surveys and Story Map Update: The survey was completed for Year 2 and an updated Story Map will be ready soon (if it isn't already by the TEC meeting). The Frog and Toad Story Map is available here:

<https://storymaps.arcgis.com/stories/71bb6ac948a248dfbc0675514cc0bddf>

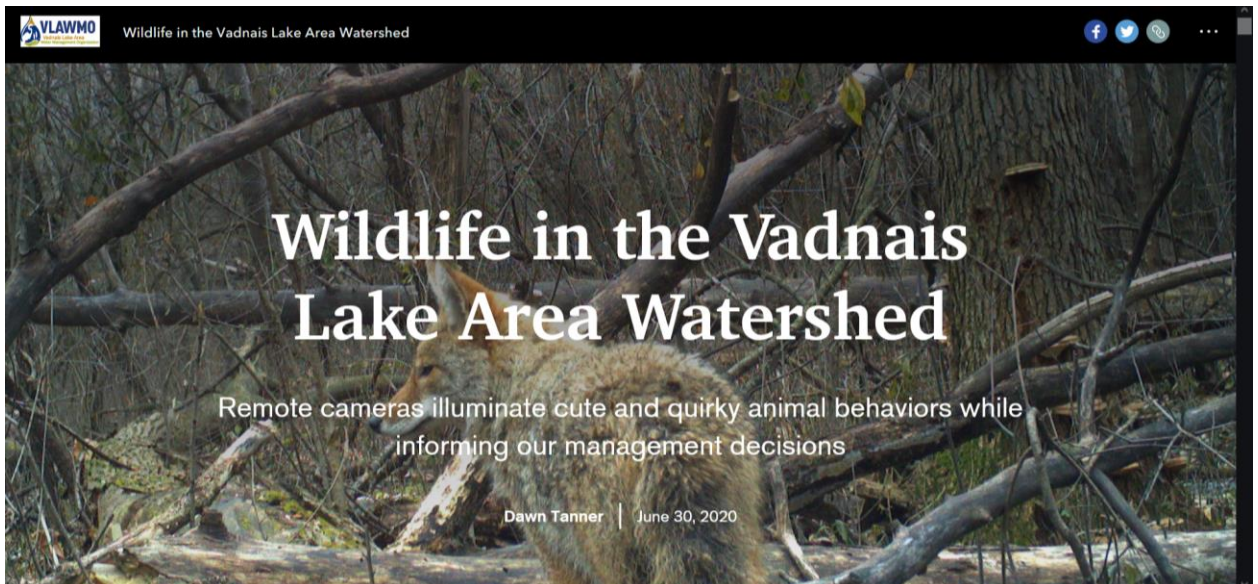
[*The Story Map has had over 800 views as of early June, 2020.](#)



H. Remote-camera Story Map: A new Story Map is available culminating our 2018-2020 remote-camera surveys. Please take a moment to view the new Story and share it! The Remote-camera Story Map is available here:

<https://storymaps.arcgis.com/stories/7455dd5d30704f0986da146f9102d6a8>

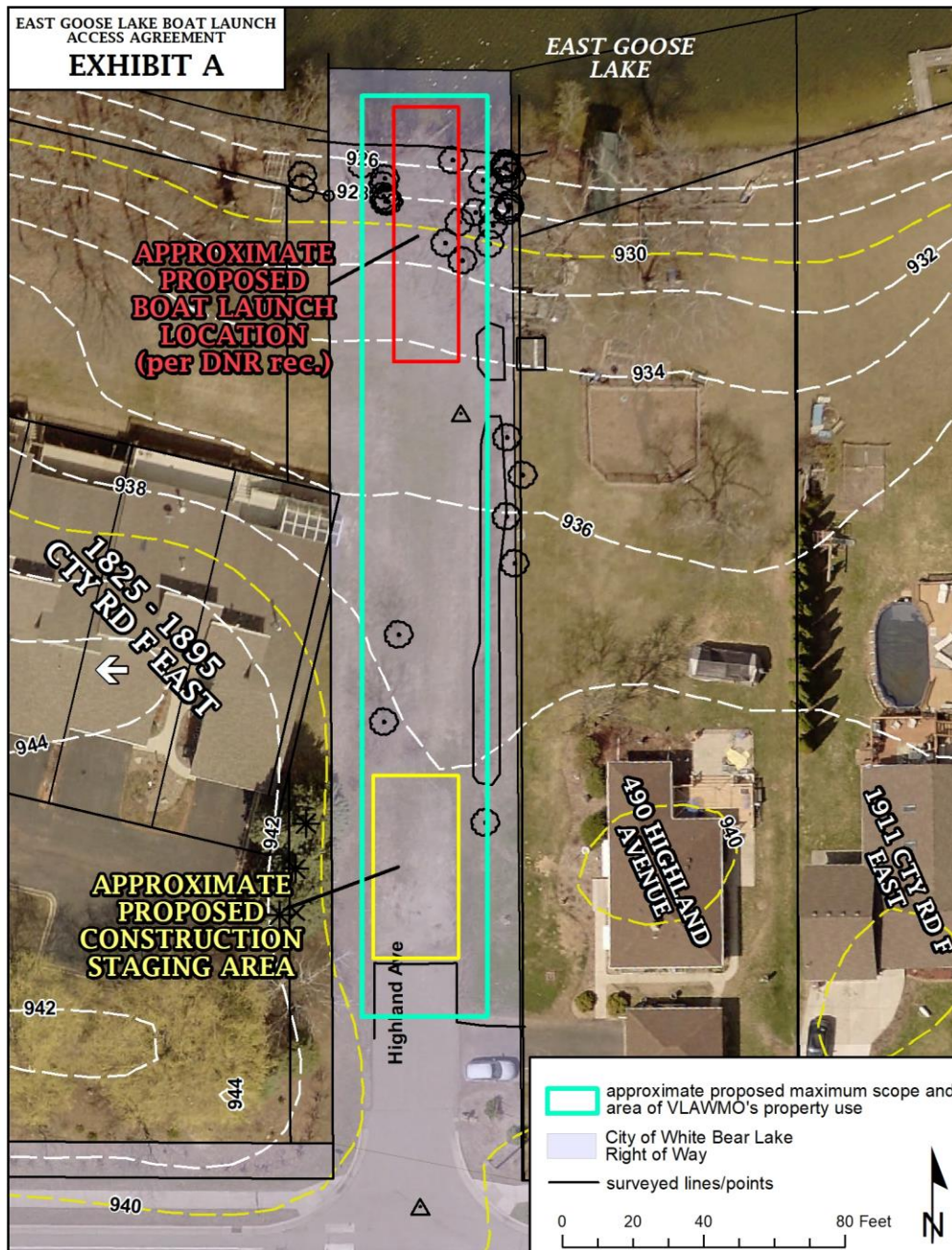
You can also find it by going to the VLAWMO Homepage, and selecting the Story Map from the Resources dropdown menu.



I. Goose Boat Access Update

The VLAWMO Board approved the Memorandum of Agreement between the City of White Bear Lake and VLAWMO at their June 24th meeting. The agreement and plans will be brought to the City of White Bear Lake Council for approval at their July 14th Board mtg.

VLAWMO has supplied the City with construction plans and a rough timeline as well as rough costs. City has agreed to help with tree removal (possible 2 larger trees) and fill removal if needed. Project construction is anticipated to be sometime between the end of July and beginning of August. Grading and ROW permits will be submitted to the City.





Vadnais Lake Area Water Management Organization
 800 County Road E East
 Vadnais Heights, MN 55127
 www.vlawmo.org
 (651) 204-6071

LANDSCAPE LEVEL 1 GRANT APPLICATION FORM

Please submit form and required materials to: TYLER THOMPSON
tyler.thompson@vlawmo.org

Please fill in the application as best as possible and use additional pages if necessary. Refer to the Grant Guidance document for further information or contact Tyler Thompson with any questions.

APPLICANT INFORMATION

NAME: Helen Easton DATE: 6-20-2020

ADDRESS: 9 Duck Pass Rd CITY: North Oaks ZIP: 55127

PHONE: 651-307-5637 EMAIL: helenboxter@yahoo.com

PROJECT SUMMARY

ESTIMATED TOTAL COST OF YOUR PROJECT: \$ 2,780 AMOUNT OF GRANT REQUESTED: (\$2,000 MAXIMUM) \$ 2000

WHEN DO YOU PLAN TO COMPLETE YOUR PROJECT? _____

TYPE OF PROJECT THAT WILL BE COMPLETED:

- Raingarden/ Infiltration Basin
- Shoreline Restoration
- Native Plant Restoration
- Other

If other, please describe proposed project: _____

PROJECT BACKGROUND

Describe your property: Does your property connect to a lake, stream, ditch, or wetland? What issues are you hoping to address with your project?
Normal residential lot in North Oaks. Property connects to a large pond. Looking to install native plantings to stabilize hillside & to slow down runoff into pond.

Describe how your project will support the goals of the Landscape Grant Program (see guidance materials for more information).
Deep-rooted plantings to secure land that is currently eroding. Pollinator species for bees & butterflies

PROJECT SPECIFICATIONS

In order to determine the water quality benefit of your project (amount of stormwater and pollutants captured), specific information is required for VLAWMO staff to perform the calculations. If you are working with a professional landscaper, they should be able to provide you with this information.

TOTAL PROPERTY AREA
(SQ.FT.):

1.38 acres

PROJECT SIZE
(SQ.FT.):

800 sq ft

IMPERVIOUS AREA
DRAINING TO PROJECT
(SQ.FT.):

0 # 6/30/20

PERVIOUS AREA
DRAINING TO
PROJECT (SQ.FT.):

1,600 sq ft # 6/30/20

IF YOUR PROJECT INCLUDES INFILTRATION, PLEASE PROVIDE THE FOLLOWING INFORMATION

SOIL INFILTRATION
RATE (INCHES/HR):

N/A

DEPTH OF RAINGARDEN
(INCHES):

N/A

ADDITIONAL REQUIRED MATERIALS

Include a detailed drawing and budget for your project compiled by either yourself or your contractor that provides information for how the project will be installed, lists the materials that will be purchased (see guidance regarding what can be included as part of the grant program) and a list of the plants that will be used. Native restoration projects are required to use ONLY plants that are native to this ecoregion. All other projects must include AT LEAST 50% native plants. Hybrids of native plants will not count towards this requirement. **This information may be scanned and emailed to VLAWMO GIS Watershed Technician, Tyler Thompson (tyler.thompson@vlawmo.org)**



9 DUCK PASS RD

TEAL POND

**PROPOSED
NATIVE PLANTING:
800 SQ FT**



GILFILLAN FLOWAGE

Proposal to Create a Native Landscape at the Easton Residence, North Oaks, MN

Prepared for:

Helen Easton
9 Duck Pass Road
North Oaks, MN 55127
651.307.5637

Prepared by:

Jake Hoverman
763-220-5986
jhoverman@prairieresto.com

Project Area:

800 square feet Shade Garden

Prairie Restorations, Inc. 

Two Oaks Office
PO Box 95
Scandia MN 55073
www.prairieresto.com



A. Company Background: <http://www.prairieresto.com/mission.shtml> (Follow the blue links to learn more)

Prairie Restorations, Inc. (PRI) has been dedicated to the restoration and management of native plant communities for over 40 years. We are fortunate to have worked with thousands of clients on a wide variety of projects in both the public and private sectors throughout the Upper Midwest.

The PRI staff currently consists of 54 full-time professionals and about an equal number of seasonal employees which operate out of 7 Minnesota locations. Most of the staff has B.S. degrees in natural resource related fields such as biology, forestry, horticulture or wildlife. As a full service restoration company, PRI is able to provide our clients expertise and service in all facets of native landscape restoration. Along with consulting, design, installation and land management services, we also produce our own local ecotype seed and plant materials which are used on all of our projects.

The PRI Team is committed to and passionate about protecting and enhancing our valuable natural resources. It is this dedication that is brought to each and every one of our projects. We are proud to offer the best expertise, services and products available in the industry and appreciate the opportunity to provide you with this proposal.

B. Project Overview:

1. Establishing a native landscape (http://www.prairieresto.com/establish_landscape.shtml) in this area will provide a long term, ecologically sound landscape that is adapted to the existing conditions of the site. This native landscape will not require irrigation, black dirt or other soil amendments. It will add a distinctive look to the property as well as provide valuable habitat for songbirds, butterflies, bees and other pollinators.
2. The project area will be mulched with natural, shredded hardwood mulch, and planted with native plants via plugs and 4-inch pots.
3. To establish this planting, the site will be treated with herbicide to kill existing weeds, mulched, and planted with native wildflowers, grasses, and ferns.
4. Information on on-going management can be directed to the Management Coordinator, Tyler Tretbar, at 763.220.5983. Typically we offer mowing and spraying services, but the size of your project – combined with the “shade garden style” vs. a true prairie style – would likely make our management services more expensive than you’d like, and it could be handled by simple hand-weeding.

C. Site preparation: http://www.prairieresto.com/installation_preparation.shtml

1. In areas with actively growing vegetation, apply a glyphosate herbicide (Roundup® or equivalent) and a triclopyr herbicide (Vastlan® or equivalent) with appropriate surfactants, as per manufacturer’s directions. An effort will be made to spare the existing Phlox, Jack-in-the-Pulpit, and other native plants. Allow a minimum of 25 days before disturbing the vegetation with other procedures.
2. Remove the dead vegetation by cutting or pulling.
3. Spread mulch to a depth of 3-4”.
4. Install plugs in groupings that look both native and also fits the semi-intentional natural shade garden look existing elsewhere on the property.

D. Plants and Planting:

1. From the following list a minimum of 10 species will be used.
2. Plant a total of 180 plugs.

Wildflowers

<http://www.prairieresto.com/CategoryList.php?cID=10>

Red baneberry (*Actaea rubra*)
White Snakeroot (*Ageratina altissima*)
Wild leek (*Allium tricoccum*)
Wood anemone (*Anemone quinquefolia*)
Columbine (*Aquilegia canadensis*)
Wild sarsaparilla (*Aralia nudicaulis*)
American spikenard (*Aralia racemosa*)
Jack-in-the-pulpit (*Arisaema triphyllum*)
Wild ginger (*Asarum canadense*)
Spring beauty (*Claytonia virginica*)
Bunchberry (*Cornus canadensis*)
False rue anemone (*Enemion biternatum*)
Large-leaved aster (*Eurybia macrophylla*)
Wild geranium (*Geranium maculatum*)
Purple avens (*Geum rivale*)
Virginia waterleaf (*Hydrophyllum virginianum*)
Starflower (*Lysimachia borealis*)
False lily of the valley (*Maianthemum canadense*)
False solomon's seal (*Maianthemum racemosum*)
Starry false solomon's seal (*Maianthemum stellatum*)
Northern lungwort (*Mertensia paniculata*)
Bishop's cap (*Mitella diphylla*)
Downy sweet cicely (*Osmorhiza claytonii*)
Woodland phlox (*Phlox divaricata*)
Jacob's ladder (*Polemonium reptans*)
Solomon's seal (*Polygonatum biflorum*)
Rattlesnake root (*Prenanthes alba*)
Zig zag goldenrod (*Solidago flexicaulis*)
Rosy twisted stalk (*Streptopus roseus*)
Early meadow rue (*Thalictrum dioicum*)
Large-flowered bellwort (*Uvularia grandiflora*)
Sessile-leaf bellwort (*Uvularia sessifolia*)
Canada white violet (*Viola canadensis*)
Blue marsh violet (*Viola cucullata*)
Downy yellow violet (*Viola pubescens*)
Downy blue violet (*Viola sororia*)

Grasses and Sedges

<http://www.prairieresto.com/CategoryList.php?cID=12>

Pennsylvania sedge (*Carex pensylvanica*)
Wood sedge (*Carex rosea*)
Sprengel's sedge (*Carex sprengelii*)
Bottlebrush grass (*Elymus hystrix*)
Wood rush (*Luzula accuminata*)
False melic grass (*Schizachne purpurascens*)

Ferns

Maidenhair fern (*Adiantum pedatum*)

Lady fern (*Athyrium filix-femina*)
Ostrich fern (*Matteuccia struthiopteris*)
Sensitive fern (*Onoclea sensibilis*)

E. Costs:

Project Installation:

The installation work as outlined above
can be completed for the **lump sum** of **\$2,780**

F. Contract:

If you accept the proposal as written and want to proceed with the project, please sign the contract below.

Owner (print): _____ **Date:** _____

Signed: _____ **Title:** _____

Project Name: _____ **Contract Value:** \$ _____

Contractor: *Prairie Restorations, Inc.*

Signed: _____ **Date:** _____

Jake Hoverman — Site Manager

Prairie Restorations, Inc.

PO Box 95

Scandia MN 55073

A 20% down payment is required at this time. Please return a copy of the signed contract, along with payment for 20% of the total project cost. The remainder of the contract will be billed upon completion.

G. Notes: Please note that this proposal is valid for 1 month (from the date on the proposal). If the proposal is accepted after the 1 month period, PRI reserves the right to modify the proposal based on cost fluctuations and material availability.

Rainbarrels & Water Savings Workshop

Rainbarrel installation
Customizing + doubling-up
Cleaning + winterizing
Water saving tips at home

Aug 13th
2020

6:30 PM - 7:30 PM
Online



A **free rainbarrel**
is provided to the first 15
registrations.

*One rainbarrel
per household.*

Visit our website to RSVP:

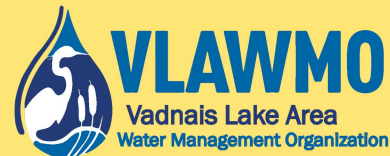
vlawmo.org/events

651.204.6070



Facilitated by
Master Water Steward
Katherine Doll-Kanne

Master Water Stewards
Community Leadership for Clean Water



Neighborhood Garden & Plant Tour

*A self-guided tour of local
raingardens, native plants, and
landscaping that improves
water resources.*

**Aug 22nd & 23rd
2020**

10:00 AM - 4:00 PM

Adapted for social distancing:
Drive separate and ask questions via
phone & email.



*All projects supported by VLAWMO cost-share funds.
See how your yard can be a solution for clean water!*



Facilitated by
Master Water Stewards
Ceci and Ed Shapland

Master Water Stewards
Community Leadership for Clean Water

Visit our website to RSVP:

vlawmo.org/events

651.204.6070

