

2021 VLAWMO Cost Share Program: A Summary, Bulleted

December 2021

- Majority of Cost Share funding allocated for the 2021 grant year
- Overall, 6 Soil Health (SHG) grants, 3 Landscape Level 1 (LL1) grants, 2 Landscape Level 2 (LL2) grants, and 5 rain barrel grants (6 funded total)
- 2021 REMOVALS & REDUCTIONS
 - 2.883 LBS of total phosphorus (TP) per year (**42.8% less than 2020**)
 - 1.1796 acre/ft (384,374 gallons) of runoff volume per year(**70% less than 2020**)
 - 4,695 lbs total suspended solids (sediment) per year (**1.7 times more than 2020**)
- Projects of significance and the reasons behind the large decrease in 2021 vs 2020 removal numbers
 - Cty Rd F Raingardens reconstruction in 2020 resulted in 6 curb cut rain gardens being reconstructed, spiking removal numbers for TP and volume in 2020.
 - 2 residential curb cut rain gardens installed in 2021; one LL1 grant in White Bear Township, and one LL2 grant for a resident as part of a 2021 City of White Bear Lake street mill and overlay project.
 - Bridgewood Park curb cut rain garden began installation in 2021, treating all of the runoff from the park's parking lot and driveway, as part of 2021 City of Vadnais Heights parking lot reconstruction project. The project leveraged LL2 funds, as well as in-kind design and construction funds coming from the City of Vadnais Heights.
- Grants by Municipality:
 - Gem Lake: 1
 - North Oaks: 2
 - Vadnais Heights: 5
 - White Bear Lake: 6
 - White Bear TWP: 2

2021 Financials

Soil Health Grant (SHG, new for 2021):

- 2021 total program Budget of \$4,500 available for grant funding.
- 6 SHG grants approved for funding, allocating entirety of the program budget.
- \$910 reimbursed, with 2 of 6 grants completed and closed out. 4 2021 grants remain open for completion and reimbursement in 2022, totaling \$3,590.00 of SHG funds.

Landscape Level 1 (LL1):

- 2020 Budget of \$24,222 (including 2020 grant projects completed in 2021).
- \$23,088 reimbursed; all 2020 and 2021 LL1 grant project completed and closed out in 2021 with \$0 in reimbursement outlaying; \$1,133.79 back into general fund from unallocated 2021 LL1 grant funding.
- \$372 reimbursed for 5 2021 Rain Barrel grants.

Landscape Level 2 (LL2):

- 2021 budget of \$36,740 (including \$8,740 in carryover for 3 2020 LL2 projects, all closed out in 2021).
- 2 approved LL2 grant projects in 2021; 1 using LL2 grant program funds (\$6,127.65), and 1 using '21-'23 BWSR Watershed Based Implementation Funding grant funds (to be completed in 2022, with up to \$30,000 for project funding allocated).
- \$16,139 reimbursed or reimbursed, and up to \$30,000 in 2021 carryover grant funds to be reimbursed in 2021 (Bridgewood Park Rain Garden).
- One 2020 carryover LL2 grant project did not meet reimbursement threshold and remaining \$600 went back into LL2 grant fund.
- 4 grants closed (3 2020 grants, and 1 2021), and 1 LL2 grant to be completed or closed out in 2022 (Bridgewood Park Rain Garden).

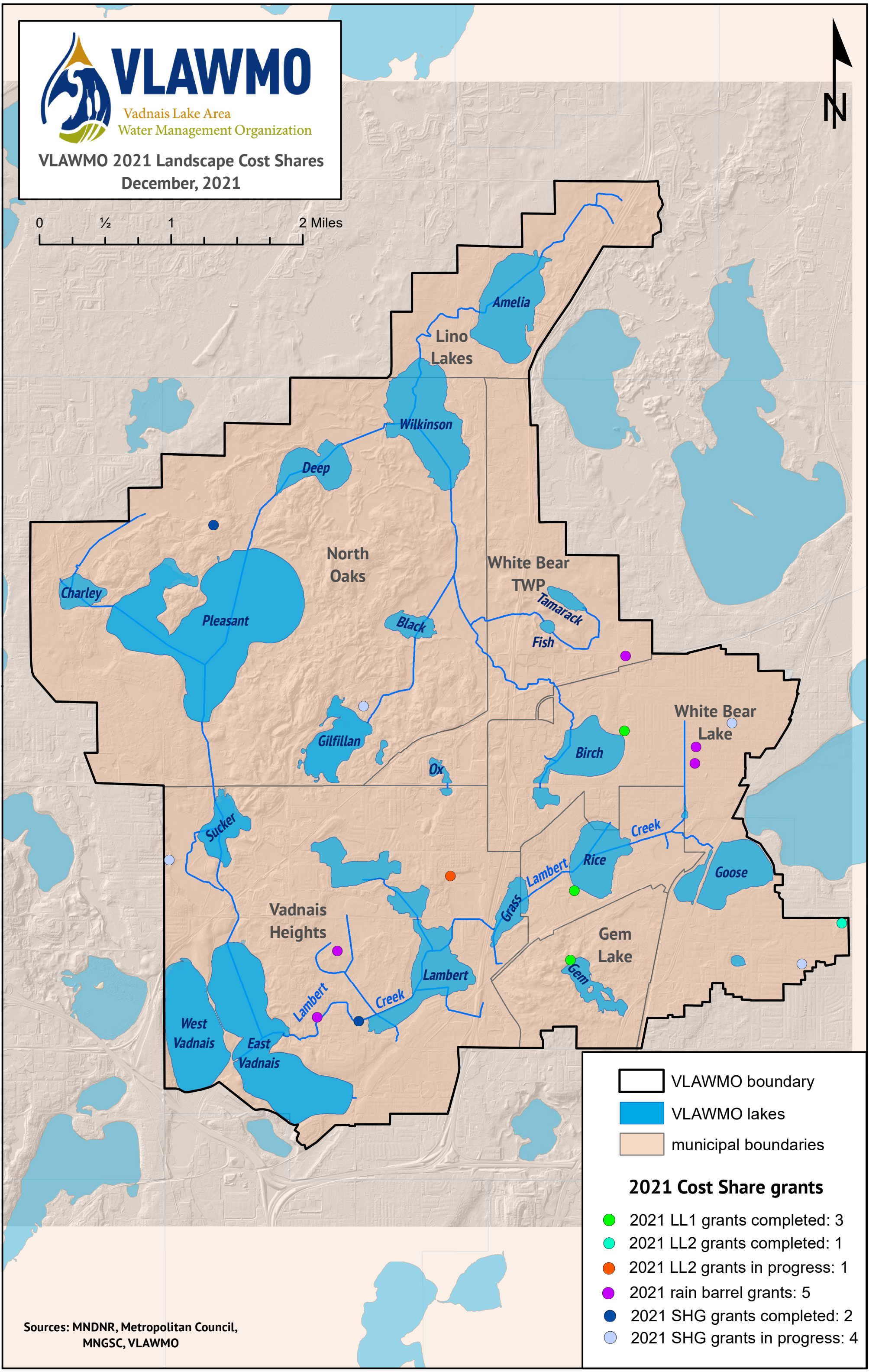
Project	Annual particulate P Red (lbs)	Annual dissolved P Red (lbs)	Volume reduction (acre-ft)	TSS Reduction (lbs)	Grant Year	Installed
LL1 2021-02 Sigmon-Olsen CC RG	0.149	0.122	0.3317	49.2	2021	2021
LL2 2021-01 Morrison CC RG	0.114	0.093	0.2528	37.5	2021	2021
LL2 2021-02 Bridgewood Park CC RG	0.256	0.209	0.5699	84.5	2021	21-'22
SHG 2021-04 DeVries DS RG	0.011	0.009	0.0252	3.7	2021	2022
LL1 2021-01 Shearen SL Resto - Gem	1.92 (TP)			4520	2021	2021
total	<u>0.53</u>	<u>0.433</u>	<u>1.1796</u>	<u>4694.9</u>		

2021 total reductions:	.53 lbs particulate P/yr	.433 lbs dissolved P/yr	1.1796 acre/ft per year	4,695 lbs TSS/yr
	1.92 lbs TP (not included above)		or 384,374 gallons	
		2.883 lbs TP/yr		
LL1:	2.191 TP/year		.3317 acre/ft per year	4,569 lbs TSS/yr
LL2:	.672 lbs TP/ year		.8227 acre/ft per year	122 lbs TSS/yr



VLAWMO 2021 Landscape Cost Shares
December, 2021

0 1/2 1 2 Miles



- VLAWMO boundary
- VLAWMO lakes
- municipal boundaries

2021 Cost Share grants

- 2021 LL1 grants completed: 3
- 2021 LL2 grants completed: 1
- 2021 LL2 grants in progress: 1
- 2021 rain barrel grants: 5
- 2021 SHG grants completed: 2
- 2021 SHG grants in progress: 4

Sources: MNDNR, Metropolitan Council, MNGSC, VLAWMO