



Grant Progress Report

Watershed Based Implementation OCT 2021

Grant Title: 2021 Metro WBIF - Rum River Area

Grant ID: C21-0407

Grantee: Anoka CD

Fiscal Agent: Anoka CD

Grant Day-to-Day Contact: Chris Lord

Grant Award (\$): \$366,982.00

Required Match (%): 10

Required Match (\$): \$36,698.20

Grant Execution Date: 01/20/2021

Grant End Date: 06/30/2024

	Total Budgeted	Total Spent	Balance Remaining*
Grant Funds	\$366,982.00	\$343,419.16	\$23,562.84
Match Funds	\$36,700.00	\$44,803.44	(\$8,103.44)
Other Funds	\$39,750.00	\$76,076.52	(\$36,326.52)
Total	\$443,432.00	\$464,299.12	(\$20,867.12)

*Grant balance remaining is the difference between the Awarded Amount and the Spent Amount. Other values compare budgeted and spent amounts.

Budget Details

Activity Name	Category	Source Type	Source Description	Budgeted	Spent	Balance Remaining	Match Fund?
Admin	Administration/Coordination	Local Fund	URRWMO and LRRWMO	\$11,000.00	\$9,676.24	\$1,323.76	Y
Anoka Co Water Resources Outreach Collaborative	Education/Information	Local Fund	URRWMO and LRRWMO	\$3,500.00	\$3,500.00	\$0.00	Y
Anoka Co Water	Education/Information	Current State Grant	2021 Metro WBIF - Rum River Area	\$34,000.00	\$34,453.28	(\$453.28)	N

<i>Activity Name</i>	<i>Category</i>	<i>Source Type</i>	<i>Source Description</i>	<i>Budgeted</i>	<i>Spent</i>	<i>Balance Remaining</i>	<i>Match Fund?</i>
Resources Outreach Collaborative							
Subwatershed analyses	Planning and Assessment	Local Fund	URRWMO and LRRWMO	\$9,090.50	\$9,090.50	\$0.00	Y
Subwatershed analyses	Planning and Assessment	Current State Grant	2021 Metro WBIF - Rum River Area	\$113,000.00	\$93,499.55	\$19,500.45	N
Project Development	Project Development	Current State Grant	2021 Metro WBIF - Rum River Area	\$11,000.00	\$10,656.76	\$343.24	N
Shoreline stabilizations	Streambank or Shoreline Protection	Local Fund	URRWMO and LRRWMO	\$8,875.00	\$8,875.00	\$0.00	Y
Shoreline stabilizations	Streambank or Shoreline Protection	Current State Grant	2021 Metro WBIF - Rum River Area	\$111,000.00	\$96,087.48	\$14,912.52	N
Shoreline stabilizations	Streambank or Shoreline Protection	Landowner Fund	Landowners	\$4,234.50	\$13,661.70	(\$9,427.20)	Y
Tech/Engineering	Technical/Engineering Assistance	Current State Grant	2021 Metro WBIF - Rum River Area	\$33,000.00	\$43,435.01	(\$10,435.01)	N
Urban Stormwater Retrofits - linked swale	Urban Stormwater Management Practices	Current State Grant	2021 Metro WBIF - Rum River Area	\$14,000.00	\$500.00	\$13,500.00	N
Urban Stormwater Retrofits - linked swale	Urban Stormwater Management Practices	Other Funds	2022 Metro WBIF - Rum River Watershed	\$13,250.00	\$25,358.84	(\$12,108.84)	N
Urban Stormwater BMPs	Urban Stormwater Management Practices	Current State Grant	2021 Metro WBIF - Rum River Area	\$50,982.00	\$64,787.08	(\$13,805.08)	N

Indicator Summary

<i>Indicator Category</i>	<i>Proposed Indicator</i>	<i>Total Value</i>	<i>Unit</i>
Water Pollution (Reduction Estimates)	Sediment (Tss)	9	Tons/Yr
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	7.65	Lbs/Yr
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	4	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	0.7	Tons/Yr

<i>Indicator Category</i>	<i>Final Indicator</i>	<i>Total Value</i>	<i>Unit</i>
Stormwater Management	Volume Reduced (Acre-Feet/Year)	3.67	Acre-Feet/Yr
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	4.875	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	0.761	Tons/Yr
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	24.159	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	25.37	Tons/Yr
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	2.33	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	2.74	Tons/Yr

Grant Activities

Activity Name: Admin

Activity Category: Administration/Coordination **Staff time?:** Yes

Description: Bookkeeping, elink reporting, invoicing, and related. Milestones: Annual elink reports.

Staff and qualifications: Kathy Berkness, ACD Office Administrator, 15 yrs of ACD financial mgmt. Chris Lord, ACD District Mgr, BS Nat. Res. & Env. Sci. with 29 yrs in water and ecological resource management.

Budget Details

<u>Source Type</u>	<u>Source Description</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Balance Remaining</u>	<u>Last Transaction Date</u>	<u>Match Fund?</u>
Local Fund	URRWMO and LRRWMO	\$11,000.00	\$9,676.24	\$1,323.76	12/31/2023	Y

Actual Results

2021 - Bookkeeping and elink reporting.
2022 - Bookkeeping and elink reporting.
2023 - Bookkeeping and elink reporting.

Activity Name: Anoka Co Water Resources Outreach Collaborative

Activity Category: Education/Information

Staff time?: Yes

Description: Coordinate Anoka Water Resource Outreach Collaborative (AWROC) – Provide water resource stewardship information, outreach and engagement opportunities per joint local water plan and partner priorities. Provide 0.20 FTE of outreach staff to serve the Rum River watershed in Anoka County during years ending no later than Dec. 31, 2022. Tasks include (a) Coordinate and be directed by a collaborative stakeholder group including watershed organizations, cities, and SWCD to identify priority topics and audiences and develop engagement strategies; (b) Develop materials, organize and conduct at least 8 events (displays, workshops, videos, articles, etc) and (c) Develop audience analytics and produce an annual report. Targeted priority natural resources and issues will be the Rum River, Lake George, groundwater, land protection, streambank stabilization, stormwater treatment and watershed awareness.

Milestones: 2021 - 4 events, annual report. 2022 - 4 events, annual report.

Staff and qualifications: Emily Johnson – ACD Outreach Coord. – BA Geology with over 2 yrs exp. in public outreach and social media mgmt.

Budget Details

<u>Source Type</u>	<u>Source Description</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Balance Remaining</u>	<u>Last Transaction Date</u>	<u>Match Fund?</u>
Current State Grant	2021 Metro WBIF - Rum River Area	\$34,000.00	\$34,453.28	(\$453.28)	12/31/2022	N
Local Fund	URRWMO and LRRWMO	\$3,500.00	\$3,500.00	\$0.00	09/30/2021	Y

Actual Results

2021

- Developed prioritized list of outreach efforts in collaboration with Upper & Lower Rum River WMOs and Anoka Conservation District.
- Began outreach to candidate landowners for 2-3 rain gardens during City of Anoka 2022 street resurfacing. 7 interested landowners and site selection ongoing.
- TV interview about well sealing. 6 community events.
- Newsletter articles distributed to 9 communities.

2022

- A river stewardship animated video – Completed part one of two-part series. Part 1 focused on watershed functions, how land use affects rivers, and watershed-level river protection. Part 2 has a completed script & storyboard & focuses on causes and symptoms of riverbank erosion, preventative management & how erosion can be addressed.
- Secured 4 rain garden sites that were constructed as part of 2022 City of Anoka street projects. Locations between the Anoka Fairgrounds and Bunker Lake Blvd. Each garden treats water that previously reached the Rum River with no treatment.
- Lake George pontoon tour for public officials – In collaboration with the Lake George improvement District and Conservation Club we'll view project sites, get a water quality monitoring demo, and connect with residents. The primary audience is the Upper Rum River WMO board.
- Lake George Conservation Club fall meeting presentation on 10-13-2022 to discuss lakeshore stewardship, progress toward identified water quality projects, water monitoring update, and AIS prevention and mgmt efforts.
- Continued coordination of Anoka Co Water Resources Outreach Collaborative.
- Prepared 10-yr outreach plan for Lower Rum River WMO area through use of a citizen's advisory committee, city staff input, and audience analytics.

2023 - No grant or match expense. However, with other funds we were able to complete a few notable items consistent with the grant outcomes. Continued coordination of Anoka Co Water Resources Outreach Collaborative. Brochure to promote wetland restorations on private lands. "Rum River Treasure" article highlighting the Rum River Watershed Partnership. Printed in Anoka Union Herald, Mille Lacs Co newspaper, on ACD social media, and maybe others by partners.

Activity Name: Project Development

Activity Category: Project Development

Staff time?: Yes

Description: Landowner outreach, site recon., contract development and related tasks to secure project sites. Milestones: 2021 - Initial landowner outreach. 2022 - Site selection and contracting. Quantity of sites is listed in the activity lines for "streambank or shoreline protection" and "urban stormwater mgmt practices."

Staff and qualifications: Jamie Schurbon, ACD Watershed Projects Mgr (M.S. Env. Studies, 19 yrs water project mgmt.). Jared Wagner, ACD Water Resource Specialist, BS Environmental Science with 4+ yrs watershed project management experience.

Budget Details

<u>Source Type</u>	<u>Source Description</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Balance Remaining</u>	<u>Last Transaction Date</u>	<u>Match Fund?</u>
Current State Grant	2021 Metro WBIF - Rum River Area	\$11,000.00	\$10,656.76	\$343.24	12/31/2021	N

Actual Results

2021 - Outreach to 40 pre-identified Lake George shoreland erosion sites resulting in 24 site visits and 8 secured eight project sites. Secured two stormwater BMP sites - both residential rain gardens.

2022 - Little work because budget was mostly spent in 2021. Completed the projects identified in 2021 and secured four residential curb cut rain garden sites in the City of Anoka's 2022 street project area.

2023 - No grant or match expenditure.

Activity Name: Shoreline stabilizations

Activity Category: Streambank or Shoreline Protection

Staff time?: No

Description: Lake George shore stabilizations - Install shoreline stabilizations at Lake George. Outreach to most severe sites first. 500 lin-ft to be addressed. Annual reductions 4 ton-TSS/yr 3.4 lbs-TP/yr sustained over 10-yr project life. Anticipated approx expenditure for Lake George Shorelines is \$61,000. Milestones: 2021 site ID. 2022 design. 2023 construction.

Rum Riverbank stabilizations - Install 100 linear ft of Rum Riverbank stabilizations from ACD's prioritized inventory of candidate sites. These grant funds will supplement other funding sources secured by the ACD. All pollutant reductions (8.5 lb TP and 10 ton TSS) are attributed to (reported to) the WBIF grant because the other funding sources do not track pollutant reductions in a state database. Anticipated approx expenditure for Rum Riverbanks is \$50,000. Milestones: 2021 site ID. 2022 design. 2023 construction.

Staff and qualifications: Jamie Schurbon, ACD Watershed Projects Mgr (M.S. Env. Studies, 19 yrs water project mgmt.). Jared Wagner, ACD Water Resource Specialist, BS Environmental Science with 4+ yrs watershed project management experience.

Budget Details

<u>Source Type</u>	<u>Source Description</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Balance Remaining</u>	<u>Last Transaction Date</u>	<u>Match Fund?</u>
Local Fund	URRWMO and LRRWMO	\$8,875.00	\$8,875.00	\$0.00	09/19/2022	Y
Current State Grant	2021 Metro WBIF - Rum River Area	\$111,000.00	\$96,087.48	\$14,912.52	11/20/2023	N
Landowner Fund	Landowners	\$4,234.50	\$13,661.70	(\$9,427.20)	07/17/2023	Y

Actual Results

2021 - Installed one Lake George shore stabilization project (but used funds not associated with this grant to do it). Seven more are anticipated in 2022 and will use funds associated with this grant. We currently have a list of candidate Rum Riverbank stabilization sites and installed many (>3,000 linear feet) with other grants. We'll switch to using this grant for Rum Riverbank work in either 2022 or 2023. 2021 expenditure was for surveying planned sites.

2022 - Constructed six Lake George shoreline stabilizations totaling approx 483 lf.

2323 - Constructed two Lake George shoreline stabilizations totaling 96 lf. Constructed one Rum River shoreline stabilization totaling 100 lf (Neilson project).

2023 - Neilson Rum Riverbank project. Hujanen and Thompson Lake George shoreline stabilizations. Continued establishment work at six Lake George stabilizations that were installed in 2022.

Final Indicators

<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Phosphorus (Est. Reduction)	24.159	Lbs/Yr
Sediment (Tss)	25.37	Tons/Yr

Activity Action Name:	2543 S LAKE GEORGE DR. NW shore stabilization	Activity Count: 1
Practice Type:	580 - Streambank and Shoreline Protection	Size/Units: 110 - Cfu
TA Provider/JAA:	SWCD	Lifespan: 10 Years
Practice Description:	Shore stabilization with native plant buffer	Install Date: 09/01/2022
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	0.976	Other	Lake George
Sediment (Tss)	Tons/Yr	0.833	Other	Lake George

Activity Action Name: 2351 S LAKE GEORGE DR. shore stabilization				Activity Count: 1
Practice Type: 580 - Streambank and Shoreline Protection				Size/Units: 48 - Cfu
TA Provider/JAA: SWCD				Lifespan: 10 Years
Practice Description: shore stabilization with native plant buffer				Install Date: 09/01/2022
				Mapped: Yes
Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	0.459	Other	Lake George
Phosphorus (Est. Reduction)	Lbs/Yr	0.552	Other	Lake George

Activity Action Name: 2449 S LAKE GEORGE DR.				Activity Count: 1
Practice Type: 580 - Streambank and Shoreline Protection				Size/Units: 52 - Cfu
TA Provider/JAA: SWCD				Lifespan: 10 Years
Practice Description: Shore stabilization with native plant buffer				Install Date: 09/01/2022
				Mapped: Yes
Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	0.506	Other	Lake George
Phosphorus (Est. Reduction)	Lbs/Yr	0.657	Other	Lake George

Activity Action Name:	21260 S LAKE GEORGE DR. NW	Activity Count: 1
Practice Type:	580 - Streambank and Shoreline Protection	Size/Units: 124 - Cfu
TA Provider/JAA:	SWCD	Lifespan: 10 Years
Practice Description:	Shore stabilization with native plant buffer	Install Date: 09/01/2022
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	0.854	Other	Lake George
Sediment (Tss)	Tons/Yr	0.297	Other	Lake George

Activity Action Name:	21411 OLD LAKE GEORGE BLVD.	Activity Count: 1
Practice Type:	580 - Streambank and Shoreline Protection	Size/Units: 62 - Cfu
TA Provider/JAA:	SWCD	Lifespan: 10 Years
Practice Description:	Shore stabilization with native plant buffer	Install Date: 09/01/2022
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	1.744	Other	Lake George
Phosphorus (Est. Reduction)	Lbs/Yr	1.744	Other	Lake George

Activity Action Name: 2859 GREENWALD ISLAND NW				Activity Count: 1
Practice Type: 580 - Streambank and Shoreline Protection				Size/Units: 68 - Cfu
TA Provider/JAA: SWCD				Lifespan: 10 Years
Practice Description: Shore stabilization with native plant buffer				Install Date: 09/01/2022
				Mapped: Yes
Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	0.663	Other	Lake George
Phosphorus (Est. Reduction)	Lbs/Yr	0.663	Other	Lake George

Activity Action Name: 2425 S Lake George Dr NW shore stabilization				Activity Count: 1
Practice Type: 580 - Streambank and Shoreline Protection				Size/Units: 41 - Cfu
TA Provider/JAA: SWCD				Lifespan: 10 Years
Practice Description: Shore stabilization with native plant buffer				Install Date: 07/07/2023
				Mapped: Yes
Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	0.689	Other	Lake George
Sediment (Tss)	Tons/Yr	0.43	Other	Lake George

Activity Action Name:	Neilson Rum Riverbank 4949 Marystone Blvd NW	Activity Count: 1
Practice Type:	580 - Streambank and Shoreline Protection	Size/Units: 100 - Cfu
TA Provider/JAA:	SWCD	Lifespan: 10 Years
Practice Description:	Riverbank stabilization - bioengineering	Install Date: 11/20/2023
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	16.62	Bwsr Calc (Stream & Ditch Stabilization)	Rum River
Sediment (Tss)	Tons/Yr	19.56	Bwsr Calc (Stream & Ditch Stabilization)	Rum River

Activity Action Name:	2417 S Lake George Dr NW shore stabilization	Activity Count: 1
Practice Type:	580 - Streambank and Shoreline Protection	Size/Units: 55 - Cfu
TA Provider/JAA:	SWCD	Lifespan: 10 Years
Practice Description:	Shore stabilization with native plant buffer	Install Date: 07/07/2023
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	0.578	Other	Lake George
Phosphorus (Est. Reduction)	Lbs/Yr	0.924	Other	Lake George

Activity Action Name:	2462 LAKE GEORGE DR NW			Activity Count: 1
Practice Type:	580 - Streambank and Shoreline Protection			Size/Units: 20 - Cfu
TA Provider/JAA:	SWCD			Lifespan: 10 Years
Practice Description:	Shore stabilization			Install Date: 07/09/2021
				Mapped: Yes
Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	0.48	Other	Lake George
Sediment (Tss)	Tons/Yr	0.3	Other	Lake George

Activity Name: Subwatershed analyses

Activity Category: Planning and Assessment **Staff time?:** No

Description: Complete SWAs for Middle Ford Brook, a direct discharge area to Mississippi River and a direct discharge area to the Rum River. Milestones: 2021 - one SWA completed. 2022 - one SWA completed. 2023 - one SWA completed.

Staff and qualifications: Mitch Haustein, ACD Stormwater & Shoreland Specialist (qualifications: M.S. in ecology, 10 yrs at ACD managing water projects).

Budget Details

<u>Source Type</u>	<u>Source Description</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Balance Remaining</u>	<u>Last Transaction Date</u>	<u>Match Fund?</u>
Current State Grant	2021 Metro WBIF - Rum River Area	\$113,000.00	\$93,499.55	\$19,500.45	12/31/2023	N
Local Fund	URRWMO and LRRWMO	\$9,090.50	\$9,090.50	\$0.00	09/30/2023	Y

Actual Results

2021 - Began work on a Middle Ford Brook subwatershed analysis study. Are 75% if the way to selecting study subwatersheds draining to the Rum and Mississippi Rivers.

2022 - Selected subwatersheds draining to the Rum and Mississippi Rivers. 85% complete with West Ford Brook study.

2023 - 95% complete with West Ford Brook study. 70% complete with Rum and Mississippi River subwatershed studies.

Activity Name: Tech/Engineering

Activity Category: Technical/Engineering Assistance

Staff time?: Yes

Description: Survey, designs, bidding, construction oversight. Staff time to promote, contract, survey, design, bid and oversee construction of shoreline stabilizations at Lake George and the Rum River, and curb cut rain gardens. Designs will be done by ACD staff and signed off by an individual with the appropriate TAA. The TAA sign off role may be contracted to an SWCD or consulting engineer as needed.

Milestones: 2022 - survey, designs, and bidding. 2023 - construction oversight. Quantity of sites is listed in the activity lines for "streambank or shoreline protection" and "urban stormwater mgmt practices."

Staff and qualifications: Jamie Schurbon, ACD Watershed Projects Mgr (M.S. Env. Studies, 19 yrs water project mgmt.). Jared Wagner, ACD Water Resource Specialist, BS Environmental Science with 4+ yrs watershed project management experience.

Budget Details

<u>Source Type</u>	<u>Source Description</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Balance Remaining</u>	<u>Last Transaction Date</u>	<u>Match Fund?</u>
Current State Grant	2021 Metro WBIF - Rum River Area	\$33,000.00	\$43,435.01	(\$10,435.01)	12/31/2023	N

Actual Results

2021 - Site visits, surveying, and concept designs for 7 Lake George shoreline stabilization projects. Site visits and surveying for two stormwater retrofit projects.

2022 - Designs and construction management for 6 completed shoreline stabilizations and 6 rain gardens.

2023 - Establishment work at six Lake George stabilizations that were installed in 2022. Neilson Rum Riverbank stabilization.

Activity Name: Urban Stormwater BMPs

Activity Category: Urban Stormwater Management Practices

Staff time?: No

Description: Install approx 5 highly ranked curb-cut rain gardens and one swale stabilization identified in SWAs to improve water quality in high priority water resources. The swale portion is contained within the separate elink activity titled "Urban Stormwater BMPs - linked swale" because that project was partially paid by grants C21-0407 and C22-5234, and needed to be linked between those grants. Milestones: 2022 site ID and design. 2023 construction.

Staff and qualifications: Jamie Schurbon, ACD Watershed Projects Mgr (M.S. Env. Studies, 19 yrs water project mgmt.) Mitch Haustein, ACD Stormwater & Shoreland Specialist (qualifications: M.S. in ecology, 10 yrs at ACD managing water projects).

Budget Details

<u>Source Type</u>	<u>Source Description</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Balance Remaining</u>	<u>Last Transaction Date</u>	<u>Match Fund?</u>
Current State Grant	2021 Metro WBIF - Rum River Area	\$50,982.00	\$64,787.08	(\$13,805.08)	12/06/2022	N

Actual Results

2021 - 0 installed. 2 secured and to be installed in 2022.

2022 - 6 installed including:

3751 Roseberry Place - 3.48 ac drainage, 1.087 lb/yr TP reduction.

332 Coolidge St - 4.03 ac drainage, 1.164 lb/yr TP reduction.

3720 Rum River Dr - 0.74 ac drainage, 0.294 lb/yr TP reduction.

211 McCann Ave - 1.65 ac drainage, 0.551 lb/yr TP reduction

15170 Oneida St - 6.53 ac drainage, 1.28 lb/yr TP reduction, 395 lb/yr TSS reduction.

203 Washington St - 2.19 ac drainage, 0.5 lb/yr TP reduction, 150 lb/yr TSS reduction.

2023 - No expense.

Final Indicators		
<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Volume Reduced (Acre-Feet/Year)	3.67	Acre-Feet/Yr
Phosphorus (Est. Reduction)	4.875	Lbs/Yr
Sediment (Tss)	0.761	Tons/Yr

Activity Action Name: 203 Washington St rain garden	Activity Count: 1
Practice Type: 712M - Bioretention Basin	Size/Units: 187 - Cfu/Yr
TA Provider/JAA: SWCD	Lifespan: 10 Years
Practice Description: Curb cut rain garden.	Install Date: 06/30/2022
	Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	0.075	Winslamm	Rum River
Phosphorus (Est. Reduction)	Lbs/Yr	0.5	Winslamm	Rum River
Volume Reduced (Acre-Feet/Year)	Acre-Feet/Yr	0.43	Winslamm	Rum River

Activity Action Name: 15170 Oneida St rain garden	Activity Count: 1
Practice Type: 712M - Bioretention Basin	Size/Units: 1607 - Cfu/Yr
TA Provider/JAA: SWCD	Lifespan: 10 Years
Practice Description: Curb cut rain garden	Install Date: 06/30/2022
	Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	0.2	Winslamm	Rum River
Volume Reduced (Acre-Feet/Year)	Acre-Feet/Yr	0.88	Winslamm	Rum River
Phosphorus (Est. Reduction)	Lbs/Yr	1.28	Winslamm	Rum River

Activity Action Name:	332 Coolidge St rain garden	Activity Count: 1
Practice Type:	712M - Bioretention Basin	Size/Units: 864 - Cfu/Yr
TA Provider/JAA:	SWCD	Lifespan: 10 Years
Practice Description:	Curb cut rain garden	Install Date: 09/30/2022
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	0.18	Winslamm	Rum River
Phosphorus (Est. Reduction)	Lbs/Yr	1.164	Winslamm	Rum River
Volume Reduced (Acre-Feet/Year)	Acre-Feet/Yr	0.88	Winslamm	Rum River

Activity Action Name:	3720 Rum River Dr rain garden	Activity Count: 1
Practice Type:	712M - Bioretention Basin	Size/Units: 208 - Cfu/Yr
TA Provider/JAA:	SWCD	Lifespan: 10 Years
Practice Description:	Curb cut rain garden	Install Date: 09/30/2022
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	0.05	Winslamm	Rum River
Phosphorus (Est. Reduction)	Lbs/Yr	0.294	Winslamm	Rum River
Volume Reduced (Acre-Feet/Year)	Acre-Feet/Yr	0.23	Winslamm	Rum River

Activity Action Name:	211 McCann Ave rain garden	Activity Count: 1
Practice Type:	712M - Bioretention Basin	Size/Units: 383 - Cfu/Yr
TA Provider/JAA:	SWCD	Lifespan: 10 Years
Practice Description:	Curb cut rain garden	Install Date: 09/30/2022
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Volume Reduced (Acre-Feet/Year)	Acre-Feet/Yr	0.42	Winslamm	Rum River
Sediment (Tss)	Tons/Yr	0.086	Winslamm	Rum River
Phosphorus (Est. Reduction)	Lbs/Yr	0.55	Winslamm	Rum River

Activity Action Name:	3751 Roseberry Place rain garden	Activity Count: 1
Practice Type:	712M - Bioretention Basin	Size/Units: 579 - Cfu/Yr
TA Provider/JAA:	SWCD	Lifespan: 10 Years
Practice Description:	Curb cut rain garden	Install Date: 09/30/2022
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Volume Reduced (Acre-Feet/Year)	Acre-Feet/Yr	0.83	Winslamm	Rum River
Phosphorus (Est. Reduction)	Lbs/Yr	1.087	Winslamm	Rum River
Sediment (Tss)	Tons/Yr	0.17	Winslamm	Rum River

Activity Name: Urban Stormwater Retrofits - linked swale

Activity Category: Urban Stormwater Management Practices

Staff time?: No

Description: This activity is a subset of activity "Urban Stormwater Retrofits." It is separated for the purpose of linking to two grants - C21-0407 and C22-5234 - each of which pay a portion.

Budget Details

<u>Source Type</u>	<u>Source Description</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Balance Remaining</u>	<u>Last Transaction Date</u>	<u>Match Fund?</u>
Current State Grant	2021 Metro WBIF - Rum River Area	\$14,000.00	\$500.00	\$13,500.00	12/18/2023	N
Current State Grant	2022 Metro WBIF - Rum River Watershed	\$13,250.00	\$25,358.84	(\$12,108.84)	12/18/2023	N

Actual Results

2023 - Construction of Rum River Blvd Swale Stabilization project. 460 linear ft of swale stabilized that receives water from nearly 10 acres, over half of which is impervious surface from the St. Francis High School campus. The swale drains directly to a creek 500 ft upstream of the Rum River. This project is partially funded with FY'21 and FY'23 Rum metro WBIF.

Final Indicators

<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Sediment (Tss)	2.74	Tons/Yr
Phosphorus (Est. Reduction)	2.33	Lbs/Yr

Activity Action Name:	Rum River Blvd Swale Stabilization	Activity Count: 1
Practice Type:	410 - Grade Stabilization Structure	Size/Units:
TA Provider/JAA:	Private Consultant	Lifespan: 25 Years
Practice Description:	460 linear ft swale stabilized which receives water from 9.77 acres of which 5.54 acres is impervious surfaces from the St. Francis High School campus. The bottom of the swale drains directly to at creek 500 ft upstream of the Rum River.	Install Date: 11/28/2023
		Mapped: No

Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	2.74	Bwsr Calc (Gully Stabilization)	Rum River
Phosphorus (Est. Reduction)	Lbs/Yr	2.33	Bwsr Calc (Gully Stabilization)	Rum River