



Grant Progress Report

Watershed Based Implementation FEB 2021

Grant Title: 2021 Metro WBIF – Mississippi East Watershed – Anoka CD

Grant Award (\$): \$113,193.00

Grant Execution Date: 03/31/2021

Grant ID: C21-5246

Required Match (%): 10

Grant End Date: 12/31/2024

Grantee: Anoka CD

Required Match (\$): \$11,319.30

Fiscal Agent: Anoka CD

Grant Day-to-Day Contact: Chris Lord

	Total Budgeted	Total Spent	Balance Remaining*
Grant Funds	\$113,193.00	\$113,193.00	\$0.00
Match Funds	\$28,270.00	\$49,436.23	(\$21,166.23)
Other Funds	\$0.00	\$0.00	\$0.00
Total	\$141,463.00	\$162,629.23	(\$21,166.23)

*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?
Outreach	Education/Information	Local Fund	Multiple LGUs - ACD cover difference	\$20,000.00	\$35,959.90	(\$15,959.90)	Y
Subwatershed Analysis	Planning and Assessment	Local Fund	ACD	\$2,000.00	\$5,147.49	(\$3,147.49)	Y
Project Development	Project Development	Local Fund	ACD	\$2,000.00	\$1,613.62	\$386.38	Y
Tech/Eng	Technical/Engineering Assistance	Local Fund	ACD	\$4,270.00	\$6,715.22	(\$2,445.22)	Y

<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>
Admin	Administration/Coordination	Current State Grant	2021 Metro WBIF – Mississippi East Watershed – Anoka CD	\$2,000.00	\$2,000.00	\$0.00	N
Outreach	Education/Information	Current State Grant	2021 Metro WBIF – Mississippi East Watershed – Anoka CD	\$28,500.00	\$28,500.00	\$0.00	N
Subwatershed Analysis	Planning and Assessment	Current State Grant	2021 Metro WBIF – Mississippi East Watershed – Anoka CD	\$19,993.00	\$19,993.00	\$0.00	N
Project Development	Project Development	Current State Grant	2021 Metro WBIF – Mississippi East Watershed – Anoka CD	\$1,000.00	\$1,000.00	\$0.00	N
Tech/Eng	Technical/Engineering Assistance	Current State Grant	2021 Metro WBIF – Mississippi East Watershed – Anoka CD	\$1,700.00	\$1,700.00	\$0.00	N
Urban Stormwater BMP Installation	Urban Stormwater Management Practices	Current State Grant	2021 Metro WBIF – Mississippi East Watershed – Anoka CD	\$60,000.00	\$60,000.00	\$0.00	N

Indicator Summary

<i>Indicator Category</i>	<i>Proposed Indicator</i>	<i>Total Value</i>	<i>Unit</i>
Water Pollution (Reduction Estimates)	Sediment (Tss)	2	Tons/Yr
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	2	Lbs/Yr

<i>Indicator Category</i>	<i>Final Indicator</i>	<i>Total Value</i>	<i>Unit</i>
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	11.19	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	2.2035	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>
Current State Grant	2021 Metro WBIF – Mississippi East Watershed – Anoka CD	\$2,000.00	\$2,000.00	\$0.00	12/31/2024	N
Actual Results						
2021 grant admin						
2022 - Grant administration						
2023 Grant Admin						

Activity Name: Outreach

Activity Category: Education/Information

Staff time?: Yes

Description: Animated Video Development - Complete three animated informational videos on water resource management topics: Watersheds, Stormwater, Stormwater Ponds (substitutions of equivalent nature may be necessary to avoid redundant work products e.g. a chloride video was planned but one was just completed by another entity).

Milestones: 2021 - complete watershed and stormwater video, 2022 - complete stormwater pond video.

Video Companion Material Development - Develop companion material for two animated videos on foundational surface water resource topics; watersheds and stormwater, to reach both youth and adult audiences. Outreach programming for youth will include student pledges to share with parents and take action.

Milestones: 2021 engage stakeholder group to help guide messaging, structure, and content. 2022 - develop companion material for watersheds and stormwater videos designed to reach both youth and adult audiences. 2023 - test material with audiences and refine based on response and outcomes.

\$15K anticipated for professional videography/animation, remainder for staff.

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

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Current State Grant	2021 Metro WBIF – Mississippi East Watershed – Anoka CD	\$28,500.00	\$28,500.00	\$0.00	12/31/2024	N
Local Fund	Multiple LGUs - ACD cover difference	\$20,000.00	\$35,959.90	(\$15,959.90)	12/31/2024	Y

Actual Results

2021

Initiate video and companion material development

2022 - Began the production of two educational animated videos: "Our Riverbank Connection" (targeted toward riverside landowners and the ways they can steward, protect, and stabilize their riverbank), and "Our Watershed Connection" (targeted toward the general public and the things they can do to protect water quality and support healthy watersheds). Created an online river quiz to accompany the new "Our River Connection" animated video.

2023 Completed "Our Riverbank Connection" animated video directed toward owners of properties on rivers and continued work on a watershed centric video. Refined online quizzes and pledge forms. When we initially applied for grant funds, the cost of animation was approximately \$7,000 per video. The current cost is \$11,000. Due to this, the grant funds are only sufficient to complete two videos.

2024 Completed two animated videos:

"Our Watershed and Stormwater Connection" features a foundational understanding of watershed and the complexities of managing water for flood control and water quality as well as a dive into stormwater management and what can be done at the individual and local government level. The intended audience is local officials, municipal staff, and landowners.

"Our Stormwater Pond Connection" focuses on stormwater ponds and how they function in the landscape. The audience is landowners that live on or near stormwater ponds with the intention of tempering expectations for what stormwater ponds are supposed to be, and what landowners can do to less the objectionable aspects of stormwater ponds.

Minor refinements in 2025 at ACD's cost are anticipated based on a final round of input from colleagues.

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 - Landowner outreach, site selection and contracting.

Staff and qualifications: Chris Lord, ACD District Mgr (BS Nat. Res. & Env. Sci. with 29 yrs in water and ecological resource management); Kris Larson, ACD District Technician (B.S. in natural res field, 5 yrs project assistance);

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Local Fund	ACD	\$2,000.00	\$1,613.62	\$386.38	12/31/2022	Y
Current State Grant	2021 Metro WBIF – Mississippi East Watershed – Anoka CD	\$1,000.00	\$1,000.00	\$0.00	12/31/2021	N

Actual Results

2021

Completed reconn and engaged City of Fridley on high priority pond modification

2022 - Project development for pond modification.

Activity Name: Subwatershed Analysis

Activity Category: Planning and Assessment

Staff time?: Yes

Description: Complete a SWA for Centerville Lake watershed.

Milestones: 2021 - completed SWA.

Staff and qualifications: Chris Lord, ACD District Mgr (BS Nat. Res. & Env. Sci. with 29 yrs in water and ecological resource management); Kris Larson, ACD District Technician (B.S. in natural res field, 5 yrs project assistance);

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Local Fund	ACD	\$2,000.00	\$5,147.49	(\$3,147.49)	12/31/2023	Y
Current State Grant	2021 Metro WBIF – Mississippi East Watershed – Anoka CD	\$19,993.00	\$19,993.00	\$0.00	12/31/2023	N

Actual Results

2021

Landtruth Centerville Lake watershed and begin building water quality model

2022 - Finalized detailed contributing drainage areas and connectivity throughout subwatershed, compiled existing BMP information in preparation for water quality models, and began development of report.

2023 - Finalized Centerville Lake SRA - findings contributed to successful grant application to complete and alum treatment.

Activity Name: Tech/Eng

Activity Category: Technical/Engineering Assistance

Staff time?: Yes

Description: Stormwater BMP site survey, designs, bidding, construction oversight. 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: 2021 - survey, designs, and bidding. 2022 - construction oversight. Quantity of sites is listed in the activity lines for "urban stormwater BMP installation"

Staff and qualifications: Chris Lord, ACD District Mgr (BS Nat. Res. & Env. Sci. with 29 yrs in water and ecological resource management); Kris Larson, ACD District Technician (B.S. in natural res field, 5 yrs project assistance);

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Local Fund	ACD	\$4,270.00	\$6,715.22	(\$2,445.22)	12/31/2022	Y

Actual Results

2021

Stormwater pond modification benefits modeling

2022 - Completed survey of pond area and concept design for pond retrofit to enhance water quality treatment.

Activity Name: Urban Stormwater BMP Installation

Activity Category: Urban Stormwater Management Practices

Staff time?: No

Description: Enhance water quality treatment provided by Apex Pond in the City of Fridley by increasing maximum ponding depth relative to the original pond design. Pond enhancement will reduce TSS and TP loading to Springbrook and the Mississippi River.

This proposed enhancement project is limited to additional excavation above and beyond the original pond design to increase pond storage and water quality benefits for Springbrook (i.e. pond maintenance will not be funded by the grant or match). Grant funding will be used to increase the ponding depth to approximately six feet.

Work is planned for fall 2023. The City will be the project manager, finalize the design, bid the project, and coordinate construction. The City will also agree to operations and maintenance for the lifespan of the pond enhancement (25 years). This project is not associated with any larger construction project and is not being used to fulfill any permit requirements.

Staff and qualifications: Chris Lord, ACD District Mgr (BS Nat. Res. & Env. Sci. with 29 yrs in water and ecological resource management); Mitch Haustein, ACD Stormwater and Shoreland Specialist (M.S. in natural res field, 13 yrs in water resource management)

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Current State Grant	2021 Metro WBIF – Mississippi East Watershed – Anoka CD	\$60,000.00	\$60,000.00	\$0.00	12/31/2023	N

Actual Results

A rate-control stormwater pond enhancement was completed to treat a 86.8 acre drainage area that discharges to Springbrook and then the Mississippi River.

Final Indicators

<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Phosphorus (Est. Reduction)	11.19	Lbs/Yr
Sediment (Tss)	2.2035	Tons/Yr

Activity Action Name:	Urban Stormwater BMP	Activity Count: 1
Practice Type:	155M - Storm Water Retention Basins	Size/Units: 16198 - Square Feet
TA Provider/JAA:	Other	Lifespan: 25 Years
Practice Description:	Apex pond enhancement - increase maximum ponding depth to approximately six feet	Install Date: 11/16/2023
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	11.19	Winslamm	Springbrook
Sediment (Tss)	Tons/Yr	2.2035	Winslamm	Springbrook