



Grant All-Detail Report Projects and Practices 2015

Grant Title - Using Wetland Creation and Natural Stream Channel Restoration to Provide Water Quality Improvement and Protection for the South Branch Cascade Creek

Grant ID - C15-2077

Organization - Olmsted SWCD

Grant Awarded Amount	\$400,000.00	Grant Execution Date	4/13/2015
Required Match Amount	\$100,000.00	Grant End Date	12/31/2018
Required Match %	25%	Grant Day To Day Contact	Skip Langer

Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$400,000.00	\$200,197.70	\$199,802.30
Total Match Amount	\$100,000.00	\$82,374.93	\$17,625.07
Total Other Funds	\$367,636.00	\$367,266.47	\$369.53
Total	\$867,636.00	\$649,839.10	\$217,796.90

*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	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Match
Administrative, Technical Services	Technical/Engineering Assistance	Local Fund	SWCD professional administrative and technical services.	\$0.00	\$13,138.40	12/31/2016	Y

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction	
						Date	Match
Native seedings and plantings on 40 ac easement area	Non-Structural Management Practices	Current State Grant	Clean Water Funds	\$80,000.00			N
Native seedings and plantings on 40 ac easement area	Non-Structural Management Practices	Local Fund	Olmsted County & City of Rochester	\$20,000.00			Y
Project coordination and administration	Administration /Coordination	Current State Grant	Clean Water Fund grant	\$10,000.00	\$197.70	2/23/2016	N
South Branch of Cascade Creek - streambank	Streambank or Shoreline Protection	Current State Grant	Using Wetland Creation and Natural Stream Channel Restoratio..	\$120,000.00	\$200,000.00	9/16/2016	N
South Branch of Cascade Creek - streambank	Streambank or Shoreline Protection	Other Funds	2013 - Clean Water Assistance - Olmsted (COUNTY)	\$337,636.00	\$25,000.00	9/15/2016	N
South Branch of Cascade Creek - streambank	Streambank or Shoreline Protection	Other Funds	2013 - Clean Water Assistance - Olmsted (COUNTY)	\$337,636.00	\$51,595.00	9/15/2016	N
South Branch of Cascade Creek - streambank	Streambank or Shoreline Protection	Other Funds	2013 - Clean Water Assistance - Olmsted (COUNTY)	\$337,636.00	\$261,041.00	9/15/2016	N
South Branch of Cascade Creek - streambank	Streambank or Shoreline Protection	Other Funds	2013 Inkind match other govt	\$30,000.00	\$27.00	9/16/2016	Y
South Branch of Cascade Creek - streambank	Streambank or Shoreline Protection	Other Funds	2013 Inkind match other govt	\$30,000.00	\$760.00	9/16/2016	Y
South Branch of Cascade Creek - streambank	Streambank or Shoreline Protection	Other Funds	2013 Inkind match other govt	\$30,000.00	\$28,843.47	9/16/2016	Y
Stream Channel Restoration	Streambank or Shoreline Protection	Current State Grant	Clean Water Funds	\$0.00			N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction	
						Date	Match
Stream Channel Restoration	Streambank or Shoreline Protection	Local Fund	Olmsted County & City of Rochester	\$60,000.00	\$69,236.53	10/19/2016	Y
Technical - Engineering Services	Technical/Engineering Assistance	Current State Grant	Clean Water Fund grant	\$40,000.00			N
Technical - Engineering Services	Technical/Engineering Assistance	Other State funds not in eLINK	MN DNR	\$0.00			Y
wetland creation	Wetland Restoration/Creation	Current State Grant	Clean Water Funds	\$150,000.00			N
wetland creation	Wetland Restoration/Creation	Local Fund	Olmsted County & City of Rochester	\$20,000.00			Y

Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
584 - Stream Channel Stabilization	1	2	8000 LINEAR FEET	8000 LINEAR FEET

Proposed Activity Indicators

Activity Name	Indicator Name	Value & Units	Waterbody	Calculation Tool	Comments
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Final Indicators Summary

Indicator Name	Total Value	Unit
SEDIMENT (TSS)	544.00	TONS/YR

Grant Activity

Grant Activity - Administrative, Technical Services	
Description	Administrative, Technical Services
Category	TECHNICAL/ENGINEERING ASSISTANCE
Start Date	23-Apr-15 End Date
Has Rates and Hours?	No
Actual Results	2016 SWCD staff hours: Tech I 35 hrs @ \$49.84; Tech II 11.5 hrs @\$38.07; Director 145 hrs @ \$67.16; Manager 21 hrs @ \$58.00. Oversight, coordination, grant reporting, processing payments, accountability.

Grant Activity - Native seedings and plantings on 40 ac easement area	
Description	The 40 acre easement area will be seeded to diverse native plant communities based on the location across this landscape. Seedings and planting will be completed in the stream corridor, floodplains, wetlands and uplands using a unique prescription of seed mixes, bare root plants as well as shrubs and trees suited for this area.
Category	NON-STRUCTURAL MANAGEMENT PRACTICES
Start Date	23-Apr-15 End Date
Has Rates and Hours?	No
Actual Results	7/26/16 - As construction proceeds with the floodplain and stream channel restoration portion of the project, these areas will be seeded to stabilize the newly restored system and allow the new channel and floodplain to be activated. 1/31/17 - No further activity will be completed in this area of the project to seed uplands to diverse prairie habitat or to construct the wetlands on this project as all project funds will be expended to restore the stream channel and floodplain. Additional grant funding is being sought to fund the wetland construction and wetland/upland native seeding which will be the last phase to complete this comprehensive watershed project.

Grant Activity - Project coordination and administration

Description	Olmsted SWCD staff will provide the on-going project management, coordination and administration to complete the project. This would include ELink reporting, daily project site management during construction, coordination between cooperating agencies and contractors.		
Category	ADMINISTRATION/COORDINATION		
Start Date	23-Apr-15	End Date	
Has Rates and Hours?	Yes		
Actual Results	Construction on the stream channel and floodplain restoration portion of this project has commenced. The SWCD has incurred expenses relating to the project but these have not been posted to date. 01/31/17-due to higher than anticipated implementation costs, the SWCD will provide services to this project as inkind. These funds will be rolled into the stream channel and floodplain implementation portion of the project.		

Grant Activity - South Branch of Cascade Creek -streambank			
Description	4700' streambank restoration o proposed on South Branch of Cascade Creek (N 1/2 T106N.R14W.sect 5)		
Category	STREAMBANK OR SHORELINE PROTECTION		
Start Date	23-May-16	End Date	30-Sep-16
Has Rates and Hours?	No		
Actual Results	<p>01/23/13 - Conceptual design completed by the DNR Stream Habitat Program staff. Final design in the works for summer 2013. Project partners working on final details for drainage easement on the former golf course property for landowner review and approval.</p> <p>Drainage easement obtained from golf course owner on 4/21/14 for \$25,000. Easement consists of 38.95 acres, held by Olmsted County. The City will become future fee title owner.</p> <p>Fall 2015 - DNR finalizes project engineered plan set and County prepares to go out for bids.</p> <p>March 22, 2016-Olmsted Co Brd awards Fitzgerald Excavating the stream channel and floodplain restoration phase of the project. Due to higher than projected implementation costs it is decided by project partners to place construction of 5 wetland basins, the prairie upland seeding and city sewer line installation as alternate bid items for the project. Earthwork starts on floodplain and channel work on May 23, 2016 and is approximately 85% complete as of December 30, 2016. The funding from this grant (C13-5474) was expended on or before September 30, 2016 at which point the expenditures submitted by Fitzgerald Exc move for payment to the CWF C15-2077 to complete. The City sewer line was installed and paid for by the the City of Rochester at no cost to the grant. A portion of the newly constructed stream is activated as the project has been seeded and mulched to establish vegetation and stabilize each stream reach in constructed phases. Support for the project from local partners and residents remains high. Completion is anticipated in Spring 2017. Additional grant funds have been sought to complete construction of 5 wetlands and the upland prairie seeding in 2017.</p>		

Activity Action - Legacy Migrated Data			
Practice	584 - Stream Channel Stabilization	Count of Activities	1
Description	Restoration of stream channel and floodplain through former meadow lakes golf course		
Proposed Size / Units	8,000.00 LINEAR FEET	Lifespan	In Perpetuity
Actual Size/Units	8,000.00 LINEAR FEET	Installed Date	31-Dec-16
Mapped Activities	2 Line(s)		

Final Indicator for Legacy Migrated Data			
Indicator Name	SEDIMENT (TSS)	Value	544
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	Other

Waterbody	So Br Cascade Creek
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Grant Activity - Stream Channel Restoration

Description	These funds will complete the channel restoration project through the Meadow Lakes golf course. An additional 3700 LF of channel from the untreated tributary to the outlet on Co Rd 22 will be restored using neutral stream channel designs to complete the 8500 LF of restoration through area.		
Category	STREAMBANK OR SHORELINE PROTECTION		
Start Date	23-Apr-15	End Date	
Has Rates and Hours?	No		
Actual Results	The stream channel and floodplain restoration is underway starting in May 2016. The contractor has yet to submit invoices relating to the project grant. The intent is to deplete the funds from grant C13-5474 prior to expending funds from this grant. This activity has been merged with 2013 CWF Project 12-159 as this grant is a continuation of the 2013 Grant. See Activity South Branch of Cascade Creek Streambank		

Grant Activity - Technical - Engineering Services

Description	These funds will be used for the technical and engineering assistance provided for the survey, design, staking, construction and check out and approval of the projects.		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	23-Apr-15	End Date	
Has Rates and Hours?	Yes		
Actual Results	<p>These services are in-kind and are provided by the Dept of Natural Resources though the engineering design, construction staking and inspection process.</p> <p>As of July 26, 2016, a complete engineered plan set has been delivered and the stream channel and floodplain restoration portion of this project is currently under construction.</p> <p>01/31/17-The DNR continues to provide construction oversite on the stream channel and floodplain restoration. Olmsted SWCD is assisting with project management and oversight.</p>		

Grant Activity - wetland creation		
Description	This activity would create two wetland basins to treat stormwater, attenuate flooding, provide nutrient reductions and trap sediment in the subwatershed tributary of the So Br Cascade Creek project	
Category	WETLAND RESTORATION/CREATION	
Start Date	23-Apr-15	End Date
Has Rates and Hours?	No	
Actual Results	<p>as of 7/26/16 no further activity will be taken in this area as all project funding will be expended for stream channel and floodplain restoration. Funding will be shifted to complete the stream channel and floodplain restoration phase of the project.</p> <p>01/31/17 - Additional funding is being sought to construct 5 wetlands which will complete the final phase of this comprehensive watershed project.</p>	

Grant Attachments

Document Name	Document Type	Description
2015 Competitive Grant	Grant Agreement	2015 Competitive Grant - Olmsted SWCD
2015 Competitive Grant executed	Grant Agreement	2015 Competitive Grant - Olmsted SWCD
2015 Grant Agreement	Grant	Using Wetland Creation and Natural Stream Channel Restoration to Provide Water Quality Improvement and Protection for the South Branch Cascade Creek
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 07/25/2016
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/31/2017
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 07/21/2016
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 02/11/2016
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/26/2016
Application	Workflow Generated	Workflow Generated - Application - 09/26/2014
Cascade Creek Channel Restoration and wetland plan set	Progress	Progress Dated - 01/26/2016
Information provided by Skip Langer	Journal	Journal Dated - 04/10/2015

Document Name	Document Type	Description
Project_drainage_area_Urban-Ag_interface	Grant	Using Wetland Creation and Natural Stream Channel Restoration to Provide Water Quality Improvement and Protection for the South Branch Cascade Creek
SBCC stream channel resto, wetland creation, seeding gantt chart	Grant	Using Wetland Creation and Natural Stream Channel Restoration to Provide Water Quality Improvement and Protection for the South Branch Cascade Creek
SBCC stream channel, wetland creation, seeding budget	Grant	Using Wetland Creation and Natural Stream Channel Restoration to Provide Water Quality Improvement and Protection for the South Branch Cascade Creek
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 03/30/2015
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 01/28/2015
grantmap_12732_2014-09-26_02-51-12-PM.jpg	Grant	Using Wetland Creation and Natural Stream Channel Restoration to Provide Water Quality Improvement and Protection for the South Branch Cascade Creek
phase2 wetland expansion	Grant	Using Wetland Creation and Natural Stream Channel Restoration to Provide Water Quality Improvement and Protection for the South Branch Cascade Creek