



Grant All-Detail Report Accelerated Implementation Grant 2015

Grant Title - Carlton County Conservation Dashboard

Grant ID - C15-8516

Organization - Carlton SWCD

Original Awarded Amount	\$32,330.00	Grant Execution Date	4/17/2015
Required Match Amount	\$8,082.50	Original Grant End Date	12/31/2018
Required Match %	25%	Grant Day To Day Contact	Farrah Wirtz
Current Awarded Amount	\$32,330.00	Current End Date	6/30/2019

Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$32,330.00	\$29,512.40	\$2,817.60
Total Match Amount	\$8,082.50	\$8,691.10	\$-608.60
Total Other Funds	\$0.00	\$0.00	\$0.00
Total	\$40,412.50	\$38,203.50	\$2,209.00

*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	Matching Fund
Carlton County Assistance	Inventory/Mapping	Local Fund		\$8,082.50	\$8,691.10	7/31/2017	Y
Citizen Outreach/Education	Education/Information	Current State Grant	Carlton County Conservation Dashboard	\$1,138.75	\$976.97	12/31/2018	N
Data Compilation and Coordination	Planning and Assessment	Current State Grant	Carlton County Conservation Dashboard	\$4,099.50	\$4,270.80	12/31/2018	N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Identification of Outstanding Resources	Inventory/Mapping	Current State Grant	Carlton County Conservation Dashboard	\$2,960.75	\$2,292.26	7/31/2017	N
Individual Watershed Maps	Inventory/Mapping	Current State Grant	Carlton County Conservation Dashboard	\$11,387.50	\$14,344.36	12/31/2018	N
Project Consultation with Developer	Planning and Assessment	Current State Grant	Carlton County Conservation Dashboard	\$5,000.00			N
Project Management	Administration/Coordination	Current State Grant	Carlton County Conservation Dashboard	\$2,505.25	\$2,861.75	12/31/2018	N
Risk Protection Analysis	Inventory/Mapping	Current State Grant	Carlton County Conservation Dashboard	\$5,238.25	\$4,766.26	11/14/2018	N

Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
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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
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Grant Activity

Grant Activity - Carlton County Assistance	
Description	Carlton County will provide assistance with the GIS Specialist and Water Planner. The BMP recommendations from the Conservation Dashboard will be added onto the County public web mapping site for landowners to access, with links to the SWCD website for more 'how to' information regarding the recommended BMPS and conservation priorities in their subwatershed. Coordinated efforts with the Water Planner in Carlton county will allow this project to provide better information to future water plan revisions.
Category	INVENTORY/MAPPING
Start Date	1-May-15
End Date	
Has Rates and Hours?	Yes
Actual Results	The County GIS department supplied feedback and assistance with the development of the online application. Several departments (Transportation, Land Department, Zoning and GIS) also attended meetings to provide input. The Carlton SWCD is now the designated water planner. Advances in technology have made it possible for the Carlton SWCD to create the online application without programming experience.

Grant Activity - Citizen Outreach/Education	
Description	Disseminate information to county web mapping tool, Carlton SWCD website, and local townships and lake associations.
Category	EDUCATION/INFORMATION
Start Date	1-Jan-16
End Date	
Has Rates and Hours?	Yes
Actual Results	Attended the County Township meeting and met with a few township officials.

Grant Activity - Data Compilation and Coordination

Description	Acquire necessary data sets and license agreements for Basic Protection Analysis including, but not limited to: Public Ownership, Public Waters, Easements (RIM, MN Land Trust), wetlands on private property, SFIA lands, Disturbed landuse cover types, water quality assessment data (EQuIS).		
Category	PLANNING AND ASSESSMENT		
Start Date	13-Apr-15	End Date	
Has Rates and Hours?	Yes		
Actual Results	Data sets chosen for this project included: National Land Cover Database (2011), Carlton County parcel data, MN Department of Natural Resources (DNR) Watershed Suite, Natural Resource Conservation Service Soil Survey, Aquatic Invasive Species , Natural Resources Conservation Service Golden Winged Warbler priority area, MN DNR Sharp-tail Grouse priority areas, Minnesota Pollution Control Agency (MPCA) Impaired Waters, Minnesota MPCA Feedlot data, MN DNR Public waters Basin and Watercourse data, DNR State Designated Trout Stream, MN DNR Wild Rice Lakes and Rivers, MN DNR Cisco Lakes. New datasets were obtained late 2018 including the Nemadji assessment tool from WI DNR and subwatershed data from consultant Mitch Brinks.		

Grant Activity - Identification of Outstanding Resources

Description	The identification of Outstanding Resources component will include resources such as wild rice, trout, cisco, projected development, etc. Integrate into Conservation Dashboard for subwatersheds.		
Category	INVENTORY/MAPPING		
Start Date	1-Jun-15	End Date	
Has Rates and Hours?	Yes		
Actual Results	Using the outstanding resources data (Trout, Golden Winged Warbler, Cisco, Wild Rice, and Sharp-tailed grouse), a map was created indicating areas of high to low outstanding resources.		

Grant Activity - Individual Watershed Maps			
Description	Use the Risk Protection Analysis to make the "Conservation Dashboard" map of all subwatersheds in Carlton county.		
Category	INVENTORY/MAPPING		
Start Date	1-Sep-15	End Date	
Has Rates and Hours?	Yes		
Actual Results	A mapping application was created through Arc Online. This application includes county wide data on individual outstanding resources, risk factors, land use changes per DNR Level 7 watershed, Protection per DNR Level 7 watershed and Risk per DNR Level 7 Watershed. In addition, individual watershed maps were created with summary data so stakeholders can get more information on their watershed of interest. Created additional subwatershed maps for the Nemadji Watershed including historic forest cover (Merschner data), and ownership by watershed (including absentee versus local).		

Grant Activity - Project Consultation with Developer			
Description	Subcontractor will be the original assessment developer, who will assist with database development in more technical components of project and classification decision making.		
Category	PLANNING AND ASSESSMENT		
Start Date	13-Apr-15	End Date	
Has Rates and Hours?	Yes		
Actual Results			

Grant Activity - Project Management			
Description	Conduct timely reporting and invoicing through grant period. Attend necessary BWSR trainings for Elink, etc.		
Category	ADMINISTRATION/COORDINATION		
Start Date	13-Apr-15	End Date	
Has Rates and Hours?	Yes		
Actual Results	Completed required grant reporting and invoices. Also completed grant amendment to extend the project end date. This provided us with additional time to use new forestry and habitat information specifically for the Nemadji watershed.		

Grant Activity - Risk Protection Analysis

Description	Conduct the Basic Analysis: Protection (public ownership and easements), Disturbed Land Use, and Water Quality Lake/Stream Trends. From the basic analysis the Risk Classification map will classify the watersheds assigned risk level.		
Category	INVENTORY/MAPPING		
Start Date	1-May-15	End Date	
Has Rates and Hours?	Yes		
Actual Results	Using the collected data, a risk classification system was used to evaluate each DNR Level 7 Watershed. Watersheds that contained >40% public owned lands with <8% land use disturbance and minimal risk factors (feed lots, impaired waters, AIS, steep slopes) were considered low risk. Watersheds with >40% protection, but 8-30% Land Use changes were considered moderate risk. Watersheds with <40% protection, >30% land use changes and risks were considered high risk. A county wide risk map was created along with individual watershed maps.		

Grant Attachments

Document Name	Document Type	Description
2015 Competitive Grant	Grant Agreement	2015 Competitive Grant - Carlton SWCD
2015 Competitive Grant amendment EXECUTED	Grant Agreement Amendment	
2015 Competitive Grant executed	Grant Agreement	2015 Competitive Grant - Carlton SWCD
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 10/26/2017
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/03/2019
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 04/03/2018
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/08/2018
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/03/2018
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 10/30/2017
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 10/30/2017
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 10/26/2017
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/03/2019
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/05/2017
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/21/2016
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 04/01/2016

Document Name	Document Type	Description
Application	Workflow Generated	Workflow Generated - Application - 09/26/2014
Conservation Dashboard Example	Grant	Carlton County Conservation Dashboard
Financial Report 2015 AIG	Grant	Carlton County Conservation Dashboard
Financial Report 2015 AIG	Grant	Carlton County Conservation Dashboard
GA LGU Authorization Extension	Journal	Journal Dated - 04/09/2015
LGU signed amendment	Grant Agreement Amendment	
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 01/28/2015
amendment request	Grant Agreement Amendment	
amendment request	Grant Agreement Amendment	
grantmap_12816_2014-09-25_01-53-04-PM.jpg	Grant	Carlton County Conservation Dashboard