Grant All-Detail Report
2012 - Clean Water Assistance

Grant Title - 2012 - Clean Water Assistance - Mower (SWCD)
Grant ID - C13-1097
Organization - Mower SWCD

Grant Awarded Amount	**$133,250.00**	**Grant Execution Date**	
Required Match Amount	$33,312.50	**Grant End Date**	1/1/2020
Required Match %	25%	**Grant Day To Day Contact**	

Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	$120,526.89	$71,776.89	$61,473.11
Total Match Amount	$38,051.57	$22,691.48	$15,360.09
Total Other Funds	$0.00	$0.00	$0.00
Total	**$158,578.46**	**$94,468.37**	**$76,833.20**

**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
CWF Grant Management & Reporting	Administration /Coordination	Current State Grant	2012 - Clean Water Assistance - Mower (SWCD)	$1,000.00	$1,000.00	12/31/2014	N
CWF Project Development	Project Development	Current State Grant	2012 - Clean Water Assistance - Mower (SWCD)	$3,750.00	$3,750.00	12/31/2014	N
CWF Project Development	Project Development	Local Fund	Addition CRWD Match	$2,015.86	$2,015.86	12/31/2014	Y

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
CWF Technical Assistance & Engineering	Technical/Engineering Assistance	Current State Grant	2012 - Clean Water Assistance - Mower (SWCD)	$5,000.00	$5,000.00	12/31/2014	N
Charles Williams CWF Basins	Agricultural Practices	Current State Grant	2012 - Clean Water Assistance - Mower (SWCD)	$16,411.10	$16,411.10	1/24/2013	N
Charles Williams CWF Basins	Agricultural Practices	Landowner Fund	2012 CWF Clean Water Assist-Landowner Match	$2,188.15	$2,188.15	1/24/2013	Y
Charles Williams CWF Basins	Agricultural Practices	Local Fund	CWF 2012 Cedar River Watershed District Match	$3,282.21	$3,282.21	1/24/2013	Y
Douglas Kiser Basins	Agricultural Practices	Current State Grant	2012 - Clean Water Assistance - Mower (SWCD)	$16,436.25	$16,436.25	12/17/2014	N
Douglas Kiser Basins	Agricultural Practices	Landowner Fund	Landowner Match	$2,191.50	$2,191.50	12/17/2014	Y
Douglas Kiser Basins	Agricultural Practices	Local Fund	Watershed District Match	$3,287.25	$3,287.25	12/17/2014	Y
Gene Tapp CWF Basins	Agricultural Practices	Current State Grant	2012 - Clean Water Assistance - Mower (SWCD)	$17,487.04	$17,487.04	1/15/2014	N
Gene Tapp CWF Basins	Agricultural Practices	Landowner Fund	Landowner Match	$2,331.60	$2,331.60	1/15/2014	Y
Gene Tapp CWF Basins	Agricultural Practices	Local Fund	CWF 2012 Cedar River Watershed District Match	$3,750.00	$3,497.41	1/15/2014	Y
LuWayne Kenyon Basins	Agricultural Practices	Current State Grant	2012 - Clean Water Assistance - Mower (SWCD)	$11,692.50	$11,692.50	12/17/2014	N
LuWayne Kenyon Basins	Agricultural Practices	Landowner Fund	Landowner Match	$1,559.00	$1,559.00	12/17/2014	Y
LuWayne Kenyon Basins	Agricultural Practices	Local Fund	Watershed District Match	$2,338.50	$2,338.50	12/17/2014	Y
Water & Sediment Basins	Agricultural Practices	Current State Grant	2012 - Clean Water Assistance - Mower (SWCD)	$18,750.00			N
Water & Sediment Basins	Agricultural Practices	Local Fund	CWF 2012 Cedar River Watershed District Match	$4,687.50			Y
Water Sediment Control Basins	Agricultural Practices	Current State Grant	2012 - Clean Water Assistance - Mower (SWCD)	$10,000.00			N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Water Sediment Control Basins	Agricultural Practices	Local Fund	CWF 2012 Cedar River Watershed District Match	$3,750.00			Y
Water and Sediment Control Basins	Agricultural Practices	Current State Grant	2012 - Clean Water Assistance - Mower (SWCD)	$20,000.00			N
Water and Sediment Control Basins	Agricultural Practices	Local Fund	CWF 2012 Cedar River Watershed District Match	$6,670.00			Y

Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Size / Unit
638 - Water and Sediment Control Basin	3	3	1,300.00 LINEAR FEET
638 - Water and Sediment Control Basin	2	2	1,250.00 LINEAR FEET
638 - Water and Sediment Control Basin	3	3	1,050.00 LINEAR FEET
638 - Water and Sediment Control Basin	3	3	1,780.00 LINEAR FEET

Indicators Summary

Indicator Name	Total Value	Unit
SOIL (EST. SAVINGS)	115.00	TONS/YR

Grant Activity

Grant Activity - CWF Grant Management & Reporting			
Description	Reporting will be completed as necessary to provide updates on where the initiatives and projects are in terms of completion or phases. Preliminary work has been done through Stream power index (SPI), LiDAR and landowner communication. Currently, 6 high priority project areas have been focused on. This includes a potential of +/-16 basins. These sites have been selected by their fit into our scope of work. Soil erosion capabilities, store runoff water, proximity to efficient outlet for cost savings.		
Category	ADMINISTRATION/COORDINATION		
Start Date		**End Date**	
Rates and Hours			
Actual Results	Entered the Charles Williams projects costs/financials and updated results for reporting, tech assistance/eng, and project development. 12/31/2014: Entered in 2014 project info, and updated results for reporting, tech assistance/eng, and project development. Managed the grant throughout 2014. Jeanne-3@43.71, Bev-13@62.88, Cody-3@33.32		

Grant Activity - CWF Project Development			
Description	Project development for our CWF application includes using LiDAR, Stream Power Index (SPI), site visits along with landowner communication to find specific projects within our scope of work. LiDAR and a variety of yearly imagery helps determine projects feasibility in specific areas. I have used High Definition mosaics aerial photography to show high definition of areas that are prone to erosion. Areas targeted in the project development are areas in the upper reaches of Wolf, Dobbins and Roberts watersheds. A focus was set to reduce erosion/sedimentation to nearby watercourses. All sites are within several hundred or thousand feet of an immediate waterbody. With this project development we can minimize further sedimentation to immediate waterbodies meanwhile slowing immediate flows by holding water back on the landscape. 6 high priority sites have been found using a variety of the above tools. Of the 6 sites, 16 basins should be encompassed upon preliminary estimates.		
Category	PROJECT DEVELOPMENT		
Start Date		**End Date**	
Rates and Hours			
Actual Results	1/24/13- Utilize LiDAR and high res photos to target most sensitive, erosive areas that would work well for WASCOB's. Approach landowners and explain funding, site and how it would benefit their land, operation and future. 63 hrs @ $35/hr= $2,205. 1/29/14- Identified, worked with landowners on survey & design to ensure works well with equipment. Guided through and have 7 basins (3 projects) signed for cost-share contracts. Gene Tapp (3), Alan Tapp (2), Ed Emerick (2) 24 hrs @ $35/hr= $840 12/31/2014: Based upon our (CRWD) targeting techniques, all projects that were determined to be the best bang for the buck were targeted. Landowners of these selected areas have been contacted and all but one has committed or had some form of the project started. Cody-21.5@33.32		

Grant Activity - CWF Technical Assistance & Engineering			
Description	Technical assistance will be provided by Mower SWCD. Assistance with design work and construction completion will be coordinated through the SWCD & NRCS. Cody Fox will head the projects and will use assistance from NRCS Ag Engineer, Elizabeth Oolman. Cody has class I TAA in WASCOB's and the associated tile outlet but will utilize Elizabeth's knowledge and TAA to complete these projects. Elizabeth has extensive knowledge and several years experience to these projects. Other engineers may also be on these projects including: Larry Peterson, Civil Engineering Technician, and Mary Weis, Civil Engineering Technician. Both employees have many years of experience directly revolving to the sediment basins and the tile associated with it. Design and construction will be managed by SWCD staff with NRCS involved when appropriate. All projects will follow guidance and meet NRCS FOTG requirements.		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date		**End Date**	
Rates and Hours			
Actual Results	1/24/2013- Work with Charles Williams and other landowners on projects. Completed Chuck Williams project only due to drought and not able to get proper compaction for the other projects. 54 hrs @ $35/hr = $1,890 1/28/14-Survey and design 7 basin system. 3 got built. Contractors very busy, never got to other 4 projects. Built 3 basins for Gene Tapp and took care of all agreements, etc. Survey & designed, Alan Tapp and Ed Emerick Basins (may not be sep. activities yet). 55.5 hrs @ $35 = $1,942.50 12/31/2014- 2 projects were finished and cost-share completed by end of 14'. 3 other projects were surveyed and partially finished. Some had tile installed but dirtwork wasn't able to be completed or part was completed but not finished. All of the top targeted projects have been locked in and will be completed by end of grant period. Cody-30@33.32, Larry-8@22.67 Due to the fact that all of the Tech/Eng dollars were spent, an additional 60 hours for Cody were added to the CRWD match.		

Grant Activity - Charles Williams CWF Basins			
Description	We hope to start construction during the fall after money has been received. I have located 6 sites we want to exclusively target immediately. These 6 sites have a potential for 16+ basins. These sites have all the criteria that are most important in our scope of work. This includes: 1.Soil erosion or close proximity to year-round waterbodies where additional sediment and nutrient loading could be prevented. 2. Ability to store surface runoff effectively. 3. Hold water to reduce peak flows. 4. Ability for an effective outlet location. 5. Outlet(s) close to site for cost-effectiveness and potentially maximize money by creating more basins with extra funds. Primarily these projects will be fall-built. Projects will be completed during 2012 and 2013, if needed. All construction and materials must meet the NRCS FOTG requirements. Constructions checks will follow and construction needs to meet the approved and finalized design. Designs will be set to hold water from 24-48 hours. A meeting will take place before construction to insure landowner/contractor understand the methods used to build the conservation practice, the contract to maintain, and the understanding that materials and construction check must meet our recommended design or cost-share will not be provided. We will implement an agreement similar to our state cost share agreement and the agreement will be to maintain these practices for a minimum of 10 years. No changes may be made to the practice during the contract agreement unless otherwise noted or agreed upon by project manager.		
Category	AGRICULTURAL PRACTICES		
Start Date		**End Date**	
Rates and Hours			
Actual Results			

Activity Action - Chuck Williams			
Practice	638 - Water and Sediment Control Basin	**Count of Activities**	2
Description	10/2012- Installed 2 WASCOB's and tile to reduce sediment loss and slow flows.		
Proposed Size / Units	1,250 LINEAR FEET	**Lifespan**	10 Years
Actual Size/Units	1,250 LINEAR FEET	**Installed Date**	3-Oct-12

Final Indicator for Chuck Williams			
Indicator Name	SOIL (EST. SAVINGS)	**Value**	32
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	Other
Waterbody	Roberts		

Grant Activity - Douglas Kiser Basins			
Description	Douglas Kiser Basins- 2 basins to stabilize the most severe gullies on the farm. 1 additional basin on a smaller watershed and smaller site.		
Category	AGRICULTURAL PRACTICES		
Start Date	12-Nov-14	**End Date**	10-Dec-14
Rates and Hours			
Actual Results	24 tons of soil saved, 6 t/yr of tss, 12lb of P/Yr. Flow reduction will add even more value on top of these numbers.		

Activity Action - Kiser Basins			
Practice	638 - Water and Sediment Control Basin	**Count of Activities**	3
Description	3 WASCOB's and tile		
Proposed Size / Units	1,300 LINEAR FEET	**Lifespan**	10 Years
Actual Size/Units	1,300 LINEAR FEET	**Installed Date**	3-Dec-14

Final Indicator for Kiser Basins			
Indicator Name	SOIL (EST. SAVINGS)	**Value**	22
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	BWSR CALC (GULLY STABILIZATION)
Waterbody	Dobbins Creek		

Grant Activity - Gene Tapp CWF Basins			
Description	We hope to start construction during the fall after money has been received. I have located 6 sites we want to exclusively target immediately. These 6 sites have a potential for 16+ basins. These sites have all the criteria that are most important in our scope of work. This includes: 1.Soil erosion or close proximity to year-round waterbodies where additional sediment and nutrient loading could be prevented. 2. Ability to store surface runoff effectively. 3. Hold water to reduce peak flows. 4. Ability for an effective outlet location. 5. Outlet(s) close to site for cost-effectiveness and potentially maximize money by creating more basins with extra funds. Primarily these projects will be fall-built. Projects will be completed during 2012 and 2013, if needed. All construction and materials must meet the NRCS FOTG requirements. Constructions checks will follow and construction needs to meet the approved and finalized design. Designs will be set to hold water from 24-48 hours. A meeting will take place before construction to insure landowner/contractor understand the methods used to build the conservation practice, the contract to maintain, and the understanding that materials and construction check must meet our recommended design or cost-share will not be provided. We will implement an agreement similar to our state cost share agreement and the agreement will be to maintain these practices for a minimum of 10 years. No changes may be made to the practice during the contract agreement unless otherwise noted or agreed upon by project manager.		
Category	AGRICULTURAL PRACTICES		
Start Date	11-Sep-13	**End Date**	04-Dec-14
Rates and Hours			
Actual Results	Reduction of total P, peak flow reduction and TSS reduction.		

Activity Action - Water & Sediment Basins			
Practice	638 - Water and Sediment Control Basin	**Count of Activities**	3
Description			
Proposed Size / Units	1,780 LINEAR FEET	**Lifespan**	10 Years
Actual Size/Units	1,780 LINEAR FEET	**Installed Date**	5-Dec-13

Final Indicator for Water & Sediment Basins			
Indicator Name	SOIL (EST. SAVINGS)	**Value**	28
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	Other
Waterbody	Dobbins		

Grant Activity - LuWayne Kenyon Basins			
Description	LuWayne Kenyon Basins- Project was acquired summer of 2014. Tile was installed in September, basins constructed in November. This project will curb much of the sediment entering CD#77 as well as slow peak flows.		
Category	AGRICULTURAL PRACTICES		
Start Date	9-Sep-14	**End Date**	27-Nov-14
Rates and Hours			
Actual Results	3 WASCOB's. TSS, P reduction, peak flow reduction. 33 Tons/yr reduction of soil loss.		

Activity Action - Kenyon Basins			
Practice	638 - Water and Sediment Control Basin	**Count of Activities**	3
Description	3 WASCOB's. Cut erosion down, slow water down.		
Proposed Size / Units	1,050 LINEAR FEET	**Lifespan**	10 Years
Actual Size/Units	1,050 LINEAR FEET	**Installed Date**	19-Nov-14

Final Indicator for Kenyon Basins			
Indicator Name	SOIL (EST. SAVINGS)	**Value**	33
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	**Calculation Tool**	BWSR CALC (GULLY STABILIZATION)
Waterbody	County Ditch 77		

Grant Activity - Water & Sediment Basins			
Description	Water and Sediment Control basins to reduce erosion and sedimentation problems in the Upper Cedar River watershed as well as holding water back on the landscape to reduce peak flows during high events.		
Category	AGRICULTURAL PRACTICES		
Start Date		**End Date**	
Rates and Hours			
Actual Results			

Grant Activity - Water Sediment Control Basins			
Description	Water and Sediment control basins to control excessive runoff and to prevent sediment from entering our waterbodies, in turn reducing phosphorus numbers. These sediment basins will trap sediment in the field while slowing the flow of water down to prevent further streambanks and worse problems downstream.		
Category	AGRICULTURAL PRACTICES		
Start Date		**End Date**	
Rates and Hours			
Actual Results			

Grant Activity - Water and Sediment Control Basins			
Description	Water and Sediment basins to control runoff from agricultural fields as well as slow the flow of water in the immediate upper reaches of the watershed.		
Category	AGRICULTURAL PRACTICES		
Start Date		**End Date**	
Rates and Hours			
Actual Results			

Grant Attachments

Document Name	Document Type	Description
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/22/2014

Document Name	Document Type	Description
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 04/07/2014
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/26/2015
Amendment	Grant	2012 - Clean Water Assistance - Mower (SWCD)
Message from Wayne Z.	Grant	2012 - Clean Water Assistance - Mower (SWCD)
Report from Cody	Grant	2012 - Clean Water Assistance - Mower (SWCD)
Request for a Workplan Amendment	Grant	2012 - Clean Water Assistance - Mower (SWCD)
Request to Amend Grant for Extension	Grant	2012 - Clean Water Assistance - Mower (SWCD)
Request to Extend Grant	Grant	2012 - Clean Water Assistance - Mower (SWCD)
Request to Target New Subwatershed CD#77	Grant	2012 - Clean Water Assistance - Mower (SWCD)
Unexecuted Grant Amendment	Grant	2012 - Clean Water Assistance - Mower (SWCD)
grant_app_general-added.rpt	Grant	2012 - Clean Water Assistance - Mower (SWCD)
grant_app_general.rpt	Grant	2012 - Clean Water Assistance - Mower (SWCD)