



Grant All-Detail Report 2012 - Clean Water Assistance

Grant Title - 2012 - Clean Water Assistance - Clearwater River WD (WSHED)

Grant ID - C13-4560

Organization - Clearwater River WD

Grant Awarded Amount	\$738,750.00	Grant Execution Date	
Required Match Amount	\$184,687.50	Grant End Date	1/1/2020
Required Match %	25%	Grant Day To Day Contact	Dennis Loewen

Budget Summary

	Budgeted	Spent	Balance Remaining
Total Grant Amount	\$738,750.00	\$149,833.37	\$588,916.63
Total Match Amount	\$246,250.00	\$117,201.58	\$129,048.42
Total Other Funds	\$0.00	\$0.00	\$0.00
Total	\$985,000.00	\$267,034.95	\$717,965.05

Budget Details

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
CWF Kimball Stormwater PH II - Grant Administration/Management	Administration /Coordination	Current State Grant	2012 - Clean Water Assistance - Clearwater River WD (WSHED)	\$19,690.00	\$5,824.15	12/31/2013	N
CWF Kimball Stormwater PH II - Grant Administration/Management	Administration /Coordination	Local Fund	Local Match Kimball PH II CRWD - A&M, Land/Easement Purchase, Construction	\$5,000.00	\$5,000.00	11/14/2012	Y

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
CWF Kimball Stormwater PH II - Land & Water Project	Urban Stormwater Management Practices	Current State Grant	2012 - Clean Water Assistance - Clearwater River WD (WSHED)	\$462,935.00			N
CWF Kimball Stormwater PH II - Land & Water Project	Urban Stormwater Management Practices	Local Fund	Local Match - City of Kimball Street Improvements Project	\$80,000.00	\$80,000.00	11/26/2013	Y
CWF Kimball Stormwater PH II - Land & Water Project	Urban Stormwater Management Practices	Local Fund	Local Match Kimball PH II CRWD - A&M, Land/Easement Purchase, Construction	\$161,250.00	\$32,201.58	12/9/2013	Y
CWF Kimball Stormwater PH II - Project Development	Urban Stormwater Management Practices	Current State Grant	2012 - Clean Water Assistance - Clearwater River WD (WSHED)	\$59,125.00	\$59,125.00	5/7/2013	N
CWF Kimball Stormwater PH II - Technical & Engineering	Urban Stormwater Management Practices	Current State Grant	2012 - Clean Water Assistance - Clearwater River WD (WSHED)	\$197,000.00	\$84,884.22	12/31/2013	N

Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Size / Unit
412 - Grassed Waterway and Swales	1	1	0 AC
587 - Structure for Water Control	2	5	0 AC
587 - Structure for Water Control	2	0	0 LINEAR FEET
155M - Storm Water Retention Basins	1	2	0 AC

Indicators Summary

Indicator Name	Total Value	Unit
PHOSPHORUS (EST. REDUCTION)	1175	LBS/YR

Grant Activity

Grant Activity - CWF Kimball Stormwater PH II - Grant Administration/Management

Description	Administration and Management of the project: "Clearwater Lake Chain TMDL Implementation: Kimball Stormwater Phase II." This initiative includes: tracking costs, filing required reports, updating eLink, providing oversight and guidance to all project participants, etc.	
	Initiative will be performed by Administrator Dennis Loewen.	
Category	ADMINISTRATION/COORDINATION	
Start Date	1-Mar-12	End Date
Rates and Hours		
Actual Results		

Grant Activity - CWF Kimball Stormwater PH II - Land & Water Project

Description	Labor and materials to install a series of BMPs to reduce phosphorus loads from stormwater to Lake Betsy (and subsequently the rest of the Clearwater River Chain of Lakes) and protect and improve nearby Willow Creek, a trout stream, from temperature and water quality impacts.	
Category	URBAN STORMWATER MANAGEMENT PRACTICES	
Start Date		End Date
Rates and Hours		
Actual Results		

Activity Action - Rain Gardens			
Practice	587 - Structure for Water Control	Count of Activities	6
Description	Installation of 2 rain gardens in the City of Kimball to slow rate of runoff and allow opportunity for additional infiltration.		
Proposed Size / Units	0.01 AC	Lifespan	10 Years
Actual Size/Units	AC	Installed Date	
Final Indicator for Rain Gardens			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	20
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	P8 Urban Catchment Model
Waterbody	Willow Creek; Lake Betsy; Clearwater River Chain		

Activity Action - Grade Railroad Swale			
Practice	587 - Structure for Water Control	Count of Activities	6
Description	Regrade a swale on railroad property to alleviate flooding of lot to the south, as well as provide some treatment. This swale must be covered with crushed aggregate base to allow for vehicle travel, per agreement with CP Rail.		
Proposed Size / Units	0.22 AC	Lifespan	30 Years
Actual Size/Units	AC	Installed Date	
Final Indicator for Grade Railroad Swale			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	69
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	P8 Urban Catchment Model
Waterbody	Willow Creek; Lake Betsy; Clearwater River Chain		

Activity Action - Emergency Overflow Swale			
Practice	412 - Grassed Waterway and Swales	Count of Activities	6
Description	Re-grading of overflow swale to allow more treatment in upland wetland, as well as assisting with flooding issues.		
Proposed Size / Units	0.15 AC	Lifespan	30 Years
Actual Size/Units	AC	Installed Date	
Final Indicator for Emergency Overflow Swale			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	300

Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	P8 Urban Catchment Model
Waterbody	Willow Creek; Lake Betsy; Clearwater River Chain		

Activity Action - Stormwater Storage & Treatment Sites

Practice	155M - Storm Water Retention Basins	Count of Activities	6
Description	Expansion & improvement of existing stormwater storage sites, addition of filtration elements (ex. berms), and reduction of peak stormwater flows to promote infiltration.		
Proposed Size / Units	1 AC	Lifespan	30 Years
Actual Size/Units	AC	Installed Date	

Final Indicator for Stormwater Storage & Treatment Sites

Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	786
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	P8 Urban Catchment Model
Waterbody	Willow Creek; Lake Betsy; Clearwater River Chain		

Activity Action - Storm sewer extension w/ grit chambers installation

Practice	587 - Structure for Water Control	Count of Activities	6
Description	Extend storm sewer to capture more water for treatment as well as reducing impact from storm events on Kimball Stormwater Ph I project. Phosphorus reduction numbers from this activity are included as part of the Stormwater Storage & Treatment Sites activities' phosphorus reduction number.		
Proposed Size / Units	725 LINEAR FEET	Lifespan	30 Years
Actual Size/Units	LINEAR FEET	Installed Date	

Activity Action - Reconstruct stormwater outlet

Practice	587 - Structure for Water Control	Count of Activities	6
Description	Reconstruct stormwater outlet from main treatment area by installing HDPE pipe and placing HDPE pipe inside existing RCP culvert, along with flared end w/ rip rap. Such action protects wetland while maintained necessary drainage and elevations.		
Proposed Size / Units	450 LINEAR FEET	Lifespan	30 Years
Actual Size/Units	LINEAR FEET	Installed Date	

Grant Activity - CWF Kimball Stormwater PH II - Project Development

Description

Project development focuses on four things:

- 1) Merging related elements of City of Kimball's Street Improvement Project into the CWF project
- 2) Incorporating any assistance from Stearns County SWCD
- 3) Contact with prospective landowner(s)
- 4) Complete majority of project concept and schedule review by technical advisory committee before further work is conducted.

Category

URBAN STORMWATER MANAGEMENT PRACTICES

Start Date

1-Mar-12

End Date

Rates and Hours

Actual Results

- 1) Please see attached documents (project status memo, cost/benefit spreadsheet, and concept map) for a more detailed update on where project development is currently. Easement acquisitions are in progress, and final design is ready to begin.
- 2) Elements have been merged. City of Kimball has begun construction of their street improvement project.
- 3) Currently, assistance from Stearns County SWCD looks to be in the form of construction management. As such, we have moved the \$5,000 match from Stearns County from technical/engineering to land & water project.
- 4) After contact with the various potential land owners (3 private, Canadian Pacific Railroad, and Kimball School District), we've narrowed in the focus. Again, see the attach documents for further information.
- 5) Majority of project concept has been completed, and a technical advisory committee meeting is being scheduled.
- 6) Project concept has been accepted by technical advisory committee, and wetland impacts has been accounted for through Wetland Bank Credits.

Final Engineering Design has been completed. See Technical & Engineering item.

Grant Activity - CWF Kimball Stormwater PH II - Technical & Engineering

Description	Once majority concept is approved by technical advisory committee and CRWD Board of Managers, work will begin on final design. The engineered plans & specifications will be uploaded to allow for review.	
	Work will be completed primarily by Wenck Associates, Inc under contract with the CRWD. They are known in Minnesota for their excellence in water resource management, and their staff provides depth of experience and credentials necessary to complete this project. CRWD staff will provide assistance.	
Category	URBAN STORMWATER MANAGEMENT PRACTICES	
Start Date	1-May-13	End Date
Rates and Hours		
Actual Results	<p>1) Concept has been approved by technical advisory committee.</p> <p>2) Final engineering design has been completed. See attachment titled " Project Manual" for more information.</p> <p>3) Permitting is almost complete; waiting on Army Corp of Engineers (ACOE) permit.</p> <p>4) Bidding has been complete. Bid being held pending receipt of permit from ACOE.</p> <p>Construction phase will begin once ACOE permit is received.</p>	

Grant Attachments

Document Name	Document Type	Description
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/31/2014
Concept Map - July 2013	Grant	2012 - Clean Water Assistance - Clearwater River WD (WSHED)
Concept Map 1-31-2013.pdf	Grant	2012 - Clean Water Assistance - Clearwater River WD (WSHED)
Concept Map 1-31-2013.pdf	Grant	2012 - Clean Water Assistance - Clearwater River WD (WSHED)
Cost Beneift Comparison_1-31-13.pdf	Grant	2012 - Clean Water Assistance - Clearwater River WD (WSHED)
Cost Beneift Comparison_1-31-13.pdf	Grant	2012 - Clean Water Assistance - Clearwater River WD (WSHED)
Project Manual - Kimball PH II Stormwater	Grant	2012 - Clean Water Assistance - Clearwater River WD (WSHED)
Wenck Memo- Kimball PH II Project Update 013113.pdf	Grant	2012 - Clean Water Assistance - Clearwater River WD (WSHED)
grant_app_general-added.rpt	Grant	2012 - Clean Water Assistance - Clearwater River WD (WSHED)
grant_app_general.rpt	Grant	2012 - Clean Water Assistance - Clearwater River WD (WSHED)