



Grant Project Summary

Contract title: Clean Water Legacy-Cottonwood, Redwood and MN 1st Order Streams Project

Organization (Grantee): REDWOOD-COTTONWOOD RIVERS CONTROL AREA (RCRCA)

Contract start date: February 01, 2007 Project end date: JUNE 30, 2011 Report submittal date: 07-29-2011

Grantee contact name: DOUG GOODRICH Title: EXECUTIVE DIRECTOR

Address: 1241 E Bridge Street, Suite B

City: Redwood Falls State: MN Zip: 56283

Phone number: (507) 637-2142 X4 Fax: (507) 637-2134 E-mail: Douglas.goodrich@racgroup.net

Basin (Red, Minnesota, St. Croix, etc.): Minnesota River Basin County:

Project type (check one):

- Clean Water Partnership (CWP) Diagnostic
CWP Implementation
Total Maximum Daily Load (TMDL) Development
319 Implementation
319 Demonstration, Education, Research
TMDL Implementation

Grant Funding

Final grant amount: \$150,000.00 Final total project costs: \$368,636.57

Matching funds: Final cash: \$218,636.57 Final in-kind: \$218,636.57 Final Loan: N/A

Contract number: B10242 MPCA project manager: Mark Hanson

Executive Summary of Project (300 words or less)

This summary will help us prepare the Watershed Achievements Report to the Environmental Protection Agency. (Include any specific project history, purpose, and timeline.)

The Clean Water Legacy-Cottonwood, Redwood and MN 1st Order Streams Project contract was a total award of \$150,000.00. This contract was awarded to the Redwood-Cottonwood Rivers Control Area (RCRCA) Joint Powers Organization under MN Statute: 471.59 as Project Sponsor, the goal of this project was to continue best management implementation according to the Redwood and Cottonwood River Phase I Implementation Plans approved in 1993 and 1999 and implement phosphorus reducing conservation practices that will help achieve the Lower Minnesota River dissolved oxygen TMDL and Redwood Fecal TMDL that was being developed. The 4 year work plan was projected to reduce phosphorus reaching the Minnesota River by 9.83 tons annually or 924,200.00 pounds of aquatic plant growth annually (plus 853 tons of sediment). The grant portion was broken down into \$150,000.00 for 75% cost share of best management practices. The project used \$218,636.57 of project match funds including landowner match, Redwood SWCD BWSR BMP funds, and RCRCA administrative efforts.

The Clean Water Legacy-Cottonwood, Redwood and MN 1st Order Streams Project implemented BMP contracts consisting of various best management practices (BMPs) in the Redwood and Cottonwood River and the Minnesota (MN) River 1st Order streams watersheds to reduce direct sediment and phosphorus delivery to the Minnesota River. The BMPs consisted of 570.8 acres of tillage management (no till/strip till) plan payments, 455 acres of nutrient management plan payments, 181 subsurface drain (alternative tile inlets) replacements, and a water and sediment control structure (sediment control basins). These projects have the potential to reduce phosphorus transport by 9.77 tons per year and reduce net sediment in surface water by 812.38 tons per year. Over the ten year

life expectancy of each BMP, a potential reduction of 97.7 tons of phosphorus and 2,675.64 tons of algae can be reduced.

Goals (Include three primary goals for this contract.)

- 1st Goal: Promotion and implementation of conservation tillage as a viable method of crop production preparation
- 2nd Goal: Promotion and implementation of nutrient management plans
Implementation of Best Management Practices (BMP) to reduce 853 tons of sediment annually, 9.83 tons of phosphorus annually, and nitrate pollution to the Cottonwood, Redwood, and ultimately the Minnesota Rivers
- 3rd Goal: _____

Results that count (Include the results from your established goals.)

- 1st Result: Tillage management methods were implemented on 570.8 acres in the project area.
- 2nd Result: Nutrient management plans/methods were implemented on 455 acres in the project area.
Projects were implemented in the project area that has the potential to reduce phosphorus transport by 9.77 tons per year and reduce net sediment in surface water by 812.38 tons per year. Over the ten year life expectancy of each BMP, a potential reduction of 97.7 tons of phosphorus and 2,675.64 tons of algae can be reduced.
- 3rd Result: _____

Picture (Attach at least one picture, do not imbed into this document.)

Description/location:

Acronyms (Name all project acronyms and their meanings.)

RCRCA – Redwood Cottonwood Rivers Control Area
SWCD – Soil and Water Conservation District
MPCA – Minnesota Pollution Control Agency
CWA – Clean Water Act
TMDL – Total Maximum Daily Load
FSA – Farm Service Agency
NRCS – Natural Resources Conservation Service
BMP – Best Management Practice
BWSR – Board of Water and Soil Resources
STORET – STORage and RETrieval (Database System for Environmental Data)
CWP – Clean Water Partnership
MnDNR (DNR) – Minnesota Department of Natural Resources
MES – Minnesota Extension Service
SW-ROC – Southwest Research and Outreach Center
(US)EPA – United States Environmental Protection Agency
WLA – Waste Load Allocation
LA – Load Allocation
MOS – Margin of Safety
RC – Reserve Capacity
QAPP – Quality Assurance Project Plan
RRTAC – Redwood River Technical Advisory Committee
CFU – Coliforming Units

Partnerships (Name all partners and indicate relationship to project)

Redwood-Cottonwood Rivers Control Area (RCRCA)

Responsibilities include: overall work plan administration and fiscal management and coordination /completion of all individual work plan phases and steps as well as BMP engineering approval.

Redwood Soil and Water Conservation District (SWCD)

Responsibilities include: supervision of project staff and coordination /completion of all individual work plan phases and steps as well as BMP contract and sub-contract oversight and required reporting.

Soil and Water Conservation Districts (SWCDs) (Brown, Cottonwood, Lincoln, Lyon, Murray, Pipestone, and Yellow Medicine Counties)

Responsibilities include: Technical Assistance and Promotion

Natural Resources Conservation Service (NRCS) (Brown, Cottonwood, Lincoln, Lyon, Murray, Pipestone, Redwood, and Yellow Medicine Counties)

Responsibilities include: Technical Assistance and Nutrient and Tillage Plan Development

Area II Minnesota River Basin Projects, Inc. (Area II)

Responsibilities include: Technical and Engineering Assistance

I. General Report Information			
1.	Project Title:	Clean Water Legacy-Cottonwood, Redwood and MN 1st Order Streams	
2.	Project Sponsor:	Redwood-Cottonwood Rivers Control Area (RCRCA)	
3.	Project Representative:	Douglas A. Goodrich, Director, RCRCA	
4.	Email Address:	Douglas.goodrich@mn.nacdn.net	
5.	Loan Sponsor (if applicable):	n/a	
6.	Contract Number:	B10242	Loan Number: n/a
7.	MPCA Project Manager:	Mark Hanson	
8.	Contract Start Date:	February 01, 2008	Contract End Date: June 30, 2011
9.	Best Management Practice (BMP) Name (Refer to BMP List):	Water and Sediment Control Basin, Subsurface Drain (Alternate Tile Inlet), Nutrient Management, No Till/ Strip Till	
10.	319/Clean Water Partnership (CWP) only - Nonpoint Source (NPS) Category (Refer to NPS Definition of Categories):		
		Primary	Secondary
	Category	Agriculture, Animal Feeding Operations, Urban Runoff, Hydromodification, Historical Pollutants	Non-Irrigated Crop Production, Pasture Grazing, Municipal and Residential Runoff, Channel Erosion/Incision
			Others
			Resource Extraction
11.	319/CWP only - NPS Functional Category (Refer to NPS Definition of Categories):		
		Primary	Secondary
	Category	BMP Design/Implementation, Water Quality Monitoring	BMP Performance Assessment, Water Quality Trend Assessment, BMP Effectiveness Monitoring
			Others
			Nonpoint Source Program Coordination, Watershed Modeling/Planning
12.	Waterbody type (refer to NPS Waterbody Type):	Rivers	
13.	Hydrologic unit code (8 digits):	7020006, 7020007, 7020008	Latitude-longitude: Lat. 44°17'29" Long. 99°26'24"
14.	319/ CWP only: Type of pollutant(s) addressed (refer to NPS Pollutants):	Nutrients, Pathogens, and Sedimentation	
15.	Ecoregion (refer to NPS Ecoregion):	Western Corn Belt Plains	
16.	Basin name (check all that apply):		
	<input type="checkbox"/> Lake Superior <input type="checkbox"/> Lower Mississippi/Cedar <input type="checkbox"/> Upper Mississippi <input checked="" type="checkbox"/> Minnesota <input type="checkbox"/> Rainy <input type="checkbox"/> Red River <input type="checkbox"/> Des Moines <input type="checkbox"/> Missouri <input type="checkbox"/> St. Croix		

B. Project Description

1. Project Description Summary (taken from work plan summary) – Include at least two paragraphs that briefly summarize the project scope, the processes and the events that occurred **before** this reporting period.

The watersheds of the Redwood River, Cottonwood River and the first order streams in Redwood county above and between the two major basins encompasses approximately 2,269.23 square miles and include portions of 4 of the thirteen major watersheds in the Minnesota River Basin. The major tributaries of the Redwood and Cottonwood Rivers originate on the Coteau des Prairies, flowing eastward approximately 152 miles to the Minnesota River with a drop in elevation of about 750 feet. This topography results in periodic spring and summer flooding in the central portion of the watershed. At times, damages are severe. A related implication is rapid transport of sediment and attached nutrients from inadequately treated cropland during spring snowmelt and spring and summer rainfall events.

The purpose of the Implementation phase of this project is to facilitate watershed land-use changes that will lead to reductions necessary to meet both main stem and tributary goals. The 1992 (Redwood River and the 1999 (Cottonwood River) MPCA approved diagnostic studies and implementation plans defined characteristics of specific pollutants, the processes affecting their transport, and appropriate measures to reduce their delivery to both rivers. Priority management areas were selected based on relative contributions to the total sediment and nutrient load in the Rivers. These locally developed Implementation Plans were created to direct restoration activities in the watersheds until individual TMDL(s) are created and approved.

The project is administered by the Redwood-Cottonwood Rivers Control Area (RCRCA). RCRCA, established in 1983, is a Joint Powers Organization of eight counties and their Soil and Water Conservation Districts. (For additional information, go to www.rcrca.com) RCRCA has a proven history backed with an extensive database, a long-term monitoring program, and an organizational structure that remains supportive and flexible to ensure that projects such as the Redwood River Clean Water Project and the Cottonwood River Restoration Project are successful. This success can be viewed in the 2001 Final Report, "Evolution of Watershed Restoration", which can be found at www.rcrca.com.

Annual FLUX estimates from the Redwood River sampling site above Lake Redwood showed a total phosphorus delivery of 144.9 tons annually to the Minnesota River. This is equal to .23 tons per square mile loss of phosphorus included with 112.68 tons per square mile loss of sediment. This is directly related to the turbidity impairment and contributes to the Minnesota River phosphorus loading (See <http://www.pca.state.mn.us/water/tmdl.html>).

Annual FLUX estimates from the Cottonwood River sampling site at New Ulm showed an average total phosphorus delivery of 249.91 tons annually to the Minnesota River. This is equal to .19 tons per square mile loss of phosphorus included with 163.60 tons per square mile loss of sediment. This is directly related to the turbidity impairment and contributes to the Minnesota River phosphorus loading (See <http://www.pca.state.mn.us/water/tmdl.html>).

Recreational opportunities in the project area are limited by degraded water quality, channel obstructions, limited access, and a general lack of awareness by watershed residents. Potentially, the project area can be a major recreational resource.

Long term monitoring efforts from 1990 to present have identified TMDL impairments and the current/pending (2006) listings show that the work is not finished. With the TMDL plan approved on the lower Minnesota River for phosphorus reduction, it is important to continue the implementation of best management practices that will reduce the total phosphorus contribution from the project area and work to de-list the lower Minnesota River Dissolved Oxygen TMDL impairment.

Nearly all wetlands have been drained by a highly efficient and interconnected artificial drainage system. This drainage system has allowed agriculture, the primary land use, to flourish. Corn and soybeans are the main crops grown in the watershed.

The study's primary research tool was a water quality monitoring program used to gather data at 4 main stem locations and 10 tributary sites. Stream bank erosion assessments were made at several locations along the lower reach of the Redwood and Cottonwood Rivers. Fishery surveys were used to assess populations and species diversity. Land use and physical characteristics of the watersheds were analyzed through application of Geographic Information System (GIS) data layers. These evaluations were supplemented in the Cottonwood River by field observations using the tailored integrated stream and watershed assessment (TISWA) methodology.

The Redwood and Cottonwood River Phase I Diagnostic Studies and their Implementation Plans are on file at MPCA. Please refer to them and the Quality Assurance Project Plans (QAPP's) which are also on file for further information.

2. Specific Project Goals – Include numeric, quantifiable goals for environmental improvement, the number of Best Management Practices to be installed, **pollutant reductions** as well as programmatic and social goals.

The goal of this project is to continue best management implementation according to the Phase I Implementation Plans and implement phosphorus reducing conservation practices that will help achieve the Lower Minnesota River dissolved oxygen TMDL. This work plan is projected to reduce phosphorus reaching the Minnesota River by 9.83 tons annually or 925,400, pounds of aquatic plant growth annually (plus 853.41 tons of sediment). This work plan will administer grant funds from 2007 through 2010 to achieve the implementation goals through these objectives: 1. BMP Technical Assistance and Implementation, and 2. Fiscal Management and Administration.

The watersheds, as a result of the 17 years of continuous monitoring, have been divided into priority areas that have been identified as contributing a disproportionate share of sediment and nutrients. With this prioritization, a ranking sheet has been developed to rank each project application to ensure that it will provide a substantial reduction of pollutants. Since 2000, the projects that have been implemented have been tracked by total cost of the project, the landowners' share of the cost, and the reductions achieved by each project. With this data, a matrix has been developed to estimate the total cost per pollutant reduction. This matrix is used to estimate the number of projects needed and the pollutant reductions that can be achieved. By implementing projects in priority areas selected by a long-term monitoring program and using implemented project information to estimate cost and effectiveness of each type of BMP, the project can ensure that the goals and objectives will be met and the efficiency and pollutant reduction benefits of each BMP will be maximized.

Several evaluation methods, in addition to the monitoring program are necessary to measure Project success. Methods used in the implementation plan have been selected to evaluate different components and outcomes of the plan in different ways.

An established best management practice (BMP) tracking system will be used to measure BMP adoption rates within this project area. Information contained in this system will include records of initial contacts with landowners or operators; the status of each BMP from initial sign-up to construction; and the potential sediment and nutrient reduction obtained as a result of the BMP, using the BWSR/MPCA e-LINK program. This information will be entered into the watershed GIS system maintained by RCRCA. Other program evaluation tools will be developed to evaluate other key activities within each objective of the implementation plan as needed.

C. Final Report Information

SECTION I - Work Plan Review

Please list and give a brief report on each activity/task identified in your work plan (Attachment A of the 319 Grant Agreement, contract, or work order) or most recently approved work plan amendment. For each task, briefly summarize the activities completed and describe any problems, delays, or difficulties that have occurred in completing the project work. Explain how problems were resolved or list any activities that were not completed:

I. BMP Technical Assistance and Implementation

- a. **Technical Assistance:** Activities carried out in this element included design, surveying, and inspection of the Best Management Practices conceived and completed as part of this grant. Other activities included mapping and prioritization within the watershed for better placement of BMPs.
- b. **BMP Installation:** Work plan goals for this continuation grant was to facilitate nutrient management plans for 455 acres in the project area, implement conservation tillage methods for 570.8 acres of tilled land in the project area, as well 187 subsurface drain replacements, and a water and sediment control structure at a cost of \$150,000.00. Projects put on the ground did facilitate nutrient management plans for 455 acres in the project area, implement conservation tillage methods for 570.8 acres of tilled land in the project area, as well 181 subsurface drain replacements, and a water and sediment control structure. Work performed was more or less according to the work plan, though amendments were made to the contract for cost-share figures, in the end. Also, the MPCA's requirements to have all the projects constructed by the end of the grant versus encumbered requires an aggressive push for construction at the end of the grant. EQIP and State BWSR cost share programs allow for an 18 month start and completion within 24 months regardless of when the project is signed up. A system should be developed to identify outstanding construction projects for the final report and allow a minimum of two construction seasons to finish. Outstanding projects after that time frame would be cancelled and the encumbered funds returned to MPCA.
- c. **Promotion:** This program set out to effectively increase watershed awareness and has accelerated BMP implementation either through individual participation in the project's cost share program or landowner usage of the Federal EQIP, CRP, Continuous CRP and WHIP programs.
- d. **Program Evaluation:** BMP placement and contracts were tracked in spreadsheets as well as the E-Link system. Pollution reductions are calculated for BMP projects and nutrient management activities based on methods in the system.

II. Administration

Agreement Requirements and Report Preparation: Reporting requirements and budgeting tabulation/tracking were performed by RCRCA through the course of this grant.

SECTION II - Grant Results

For TMDL Development Projects describe the work products of the contract, such as a written TMDL or technical report, data files, maps, and any other attachments that were produced by the project.

1.	<p>Measurements: Please describe your evaluation plan and its results. If you have measurable environmental results, such as pounds of chemicals reduced, best management practices installed, pollutants prevented, waste eliminated, changes in water quality, resources conserved, etc., also include those here:</p> <p>Using the 319 cost share funds in this grant, construction of BMP cost share contracts consisting of 54 various best management practice contracts were installed in the project area to reduce direct sediment and phosphorus delivery to the Minnesota River from the receiving tributaries and main stem of the Cottonwood and Redwood Rivers. These projects have the potential to reduce phosphorus losses by 9.77 tons per year and reduce net sediment in surface water by 812.38 tons per year. Over the ten year life expectancy of each BMP a potential reduction of 97.70 tons of phosphorus or 2,675.64 tons of algae.</p>
2.	<p>Products:</p> <p>A multitude of spreadsheets, word documents, and PowerPoint presentations have been created in relation to the tracking of costs, implementation of BMP projects, and analysis of water quality and hydrologic data as part of this grant. Examples of these products are included on the CD in which this report is contained.</p>
3.	<p>Public outreach and education: See Appendix B.</p>
4.	<p>Long-term results:</p> <p>This project helps to make clear the importance of agencies working together to accomplish pollutant reduction within political boundaries. Through this project RCRCA has furthered its relationship with County Soil and Water Conservation Districts as well as the Natural Resources and Conservation Service. The alliance of RCRCA and these entities will help to get needed water retention and pollution reduction projects on the ground in the eight counties involved in the Redwood and Cottonwood River Watersheds.</p> <p>Major land use changes made by this project come from 1) treatment of open tile inlets which provide unabated access to surface waters by replacing them with a simple engineered structural practice that reduces sediment and sediment bound phosphorus from entering surface waters while allowing adequate drainage. 2) implementation of nutrient management plans on 455 acres of land. 3) implementation of conservation plans on 570.8 acres of land. Project staff under grant B10242 actively promoted all conservation programs during the life of the project and assisted the Federal FSA, NRCS and other Soil and Water Conservation Districts implement additional BMPs utilizing CREP, CRP, Continuous CRP, EQIP and BWSR state cost share projects.</p> <p>Activities undertaken in this project were intended to maintain the treatment efforts of the Cottonwood River watershed set forth by original diagnostic studies of county water plans, the Redwood and Cottonwood River watersheds, and Minnesota River Dissolved Oxygen TMDL. These actions also had intentions to assist in meeting TMDL standards in portions of the Redwood and Cottonwood River and, in turn, lowering pollutants in the Minnesota River. Monitoring data from other study undertaken in the Redwood and Cottonwood River watershed show that sediment and phosphorus trends appear to have stabilized. It may be too early to know whether the reductions due to the replacement of septic systems and other non-point reduction practices have been fully realized on this system. There are indications in recent studies and reports of sensitive species being found once again in the waters of the Minnesota River where they hadn't been thought to be for some time.</p> <p>Currently the Redwood and Cottonwood River Watershed have had numerous TMDL impairment listings bestowed upon it due to monitoring data generated from previous projects. In order to develop TMDLs and to address each impairment, new implementation plans will have to be written. Work will continue on the watershed in order to meet and delist TMDL impairments. New BMPs focusing on water quantity reductions from reaching the river in order to stabilize flows are recommended. Preliminary Minnesota River sediment coring results combined with monitoring evaluations show that between 50-70% of the TSS and Turbidity is caused by stream bank and bed scour. A shifting of types of BMPs installed will have to take place to reduce pollutants in the future. BMPs that store water and then meter it out slowly to reduce peak flows, along with BMPs that store water and allow for ground water recharge should be used rather than the current structural practices that primarily address sheet and rill erosion. A continuation of this grant to accomplish said BMPs and to continue monitoring efforts in the project area.</p>
5.	<p>Have all monitoring stations been established in STORET? <input type="checkbox"/> Yes <input type="checkbox"/> No N/A</p>
6.	<p>Is the data being routinely submitted for storage into STORET? <input type="checkbox"/> Yes <input type="checkbox"/> No Last submittal date: N/A</p>
7.	<p>Is the data being annually entered into E-Link? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Date last entered: 06-30-11</p>

SECTION III - Final Expenditures

CWP, 319, and TMDL - Complete the table below:

	Total Grant Amount:	150,000.00
	Total Match Amount (if applicable)	218,636.57
	Total Project Amount:	368,636.57
	Cumulative Grant Expenditures through this period:	150,000.00
	Cumulative Match Expenditures through this period:	218,636.57
	Total Cumulative Expenditures through this period:	368,636.57
	Date form completed: 7-29-2011	
	Please submit to: Your project manager: MARK HANSON	

PROJECT TITLE: Clean Water Legacy-Cottonwood, Redwood Rivers and MN 1st Order Streams #B10242
BUDGET/EXPENDITURES AS OF June 30, 2011 (FINAL)

Objectives	unit cost	unit	Inkind Budgeted	Cash Budgeted	Total Budgeted	Cumulative Inkind Expended	Cumulative Cash Expended	Cumulative Total Expended	Inkind Budget Balance	Cash Budget Balance	Total Budget Balance	Amount Requested this Voucher	Amount Previously Requested
Objective 1) BMP Technical Assistance and Implementation													
Task A. Promote, contacts, and install selected BMP's													
					\$0.00			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
					\$0.00			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
SWCD BWSR Technical Assistance from Clean Water Legacy	\$25/hr.	876.212	\$21,905.30		\$21,905.30	\$20,123.59		\$20,123.59	\$1,781.71	\$0.00	\$1,781.71	\$0.00	\$0.00
					\$0.00			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Task B. BMP Cost –Share and Implementation													
Land owners 25% share of BMP Cost													
			\$48,636.57		\$48,636.57	\$48,636.57		\$48,636.57	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Clean Water Legacy BWSR Cost -Share			\$95,844.70		\$95,844.70	\$97,626.41		\$97,626.41	\$1,781.71	\$0.00	-\$1,781.71	\$0.00	\$0.00
Sediment Control BMPs Cost-Share				\$8,580.80	\$8,580.80		\$12,284.43	\$12,284.43	\$0.00	-\$3,703.63	-\$3,703.63	\$12,284.43	\$0.00
Clean Water Legacy 319 Alternative Intake Cost -Share				\$42,000.00	\$42,000.00		\$38,584.35	\$38,584.35	\$0.00	\$3,415.65	\$3,415.65	\$0.00	\$38,584.35
319 grant T/A for Alternative Intakes	\$61.71/ea	186.67		\$11,519.20	\$11,519.20		\$11,231.22	\$11,231.22	\$0.00	\$287.98	\$287.98	\$0.00	\$11,231.22
					\$0.00			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Task C. Promote/Implement Nutrient Management. and Strip/No Tillage													
319 grant Incentive for Strip/No Till	\$30/acre/3yrs	580.69		\$52,262.10	\$52,262.10		\$52,263.00	\$52,263.00	\$0.00	-\$0.90	-\$0.90	\$3,708.00	\$48,555.00
319 grant T/A for Strip/No Till	\$10/acre	580.69		\$5,806.90	\$5,806.90		\$5,806.00	\$5,806.00	\$0.00	\$0.90	\$0.90	\$1,236.00	\$4,570.00
319 grant incentive for Nutrient Management	\$21/acre/3yrs	250 acres		\$15,750.00	\$15,750.00		\$15,750.00	\$15,750.00	\$0.00	\$0.00	\$0.00	\$0.00	\$15,750.00
319 grant T/A for Nutrient Management	\$2.332/acre	250		\$583.00	\$583.00		\$583.00	\$583.00	\$0.00	\$0.00	\$0.00	\$0.00	\$583.00
319 grant incentive for Nutrient Management	\$21/acre/3yrs	205		\$12,915.00	\$12,915.00		\$12,915.00	\$12,915.00	\$0.00	\$0.00	\$0.00	\$0.00	\$12,915.00
319 grant T/A for Nutrient Management	\$2.8439/acre	205		\$583.00	\$583.00		\$583.00	\$583.00	\$0.00	\$0.00	\$0.00	\$0.00	\$583.00
Clean Water Legacy BWSR Nutrient Management Cost –Share			\$47,250.00		\$47,250.00	\$47,250.00		\$47,250.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
								\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total Objective 1			\$213,636.57	\$150,000.00	\$363,636.57	\$214,498.40	\$150,000.00	\$364,498.40	\$0.00	\$0.00	\$0.00	\$17,228.43	\$132,771.57
Objective 2) Grant Facilitation													
Tasks A; B													
Executive Director and/or Fiscal Agent (.07 FTE)	\$35.00/hr	145.6 hrs	\$5,000.00		\$5,000.00	\$5,000.00		\$5,000.00	\$0.00	\$0.00	\$0.00	\$ -	\$ -
					\$0.00								
					\$0.00								
Total Element 2			\$5,000.00	\$0.00	\$5,000.00	\$5,000.00	\$0.00	\$5,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
ITEMIZED PROGRAM ELEMENT BUDGET													
Total Element 1			\$213,636.57	\$150,000.00	\$363,636.57	\$213,636.57	\$150,000.00	\$363,636.57	\$0.00	\$0.00	\$0.00	\$17,228.43	\$132,771.57
Total Element 2			\$5,000.00	\$0.00	\$5,000.00	\$5,000.00	\$0.00	\$5,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Project Grand Total			\$218,636.57	\$150,000.00	\$368,636.57	\$218,636.57	\$150,000.00	\$368,636.57	\$0.00	\$0.00	\$0.00	\$17,228.43	\$132,771.57

Appendices

Appendix A. BMP Implementation Contract and Payment History Chart

Appendix B. Promotional Materials

CLEAN WATER LEGACY PROGRAM DISBURSEMENT JOURNAL

FISCAL YEAR - June 30, 2010

PROGRAM PERIOD
2007

319 FUNDS \$150,000

- Current Period Expenses

- Other Periods

GRANT AMOUNT

TOTAL T & A ALLOWED

PROJECT FUNDS TO DISBURSE

\$ -

\$ 20,490.00

\$ 129,510.00

CONTRACT NUMBER	NAME	CONSERVATION PRACTICE CATEGORY	UNITS COMPLETED	DATE OF PAYMENT	CHECK NUMBER	WHOLE OR PARTIAL PAYMENT	PAYMENT AMOUNT	TOTAL PROJRCT DISBURSEMENTS	T & A AMOUNT	TOTAL T & A DISBURSEMENTS	BALANCE REMAINING
							\$ -	\$ -	\$ -	\$ -	\$ 150,000.00
CWL 10-07	Willard Pfarr	Intakes	2	8/9/07	13648	W	\$ 450.00	\$ 450.00	\$ 123.42	\$ 123.42	\$ 149,426.58
CWL 12-07	Glen Krog	1st Year No-Till	125 ac	8/9/07	13645	P	\$ 3,750.00	\$ 4,200.00	\$ 1,250.00	\$ 1,373.42	\$ 144,426.58
CWL 13-07	Calvin Gilbert	1st Year No-Till	40 ac	8/9/07	13646	P	\$ 1,200.00	\$ 5,400.00	\$ 400.00	\$ 1,773.42	\$ 142,826.58
CWL 14-07	Josh Oslund	1st Year No-Till	63 ac	8/9/07	13647	P	\$ 1,890.00	\$ 7,290.00	\$ 630.00	\$ 2,403.42	\$ 140,306.58
CWL-15-07	Conrad Schardin	1st Year No-Till	125 ac	8/9/07	13644	P	\$ 3,750.00	\$ 11,040.00	\$ 1,250.00	\$ 3,653.42	\$ 135,306.58
CWL-27-07	Dean Warner	Intakes	2	11/8/07	13769	W	\$ 450.00	\$ 11,490.00	\$ 123.42	\$ 3,776.84	\$ 134,733.16
CWL-33-07	Dennis Erickson	Intakes	3	11/8/07	13768	W - S	\$ 566.25	\$ 12,056.25	\$ 185.13	\$ 3,961.97	\$ 133,981.78
CWL-29-07	Jeff Bertschi	Intakes	3	12/13/07	13800	W	\$ 675.00	\$ 12,731.25	\$ 185.13	\$ 4,147.10	\$ 133,121.65
CWL-31-07	Allyn Bendix	Intakes	1	12/13/07	13797	W	\$ 225.00	\$ 12,956.25	\$ 61.71	\$ 4,208.81	\$ 132,834.94
CWL-42-07	Richard Davis	Intakes	4	12/13/07	13803	W	\$ 900.00	\$ 13,856.25	\$ 246.84	\$ 4,455.65	\$ 131,688.10
CWL-41-07	Erik Bensen	Intakes	3	12/13/07	13798	W	\$ 675.00	\$ 14,531.25	\$ 185.13	\$ 4,640.78	\$ 130,827.97
CWL-47-07	Murl Rupp	Intakes	3	12/13/07	13801	W	\$ 675.00	\$ 15,206.25	\$ 185.13	\$ 4,825.91	\$ 129,967.84
CWL-43-07	Mark Warner	Intakes	1	12/31/07	13802	W	\$ 225.00	\$ 15,431.25	\$ 61.71	\$ 4,887.62	\$ 129,681.13
CWL-16-07	George Landuyt	Intakes	1	1/10/08	13852	W	\$ 225.00	\$ 15,656.25	\$ 61.71	\$ 4,949.33	\$ 129,394.42
CWL-17-07	Schwartz Heirs	Intakes	4	1/10/08	13847	W	\$ 900.00	\$ 16,556.25	\$ 246.84	\$ 5,196.17	\$ 128,247.58
CWL-18-07	Erwin Schwartz	Intakes	2	1/10/08	13846	W	\$ 450.00	\$ 17,006.25	\$ 123.42	\$ 5,319.59	\$ 127,674.16
CWL-19-07	Arnold Stelter	Intakes	2	1/10/08	13849	W	\$ 450.00	\$ 17,456.25	\$ 123.42	\$ 5,443.01	\$ 127,100.74
CWL-21-07	Harold Deal	Intakes	1	1/10/08	13848	W	\$ 225.00	\$ 17,681.25	\$ 61.71	\$ 5,504.72	\$ 126,814.03
CWL-23-07	William Moldestad	Intakes	5	1/10/08	13851	W - S	\$ 765.00	\$ 18,446.25	\$ 308.55	\$ 5,813.27	\$ 125,740.48
CWL-38-07	Doug Schmeising	Intakes	22	1/10/08	13845	W - S	\$ 4,950.00	\$ 23,396.25	\$ 1,357.62	\$ 7,170.89	\$ 119,432.86
CWL-44-07	Roy Arnold	Intakes	4	1/10/08	13850	W	\$ 900.00	\$ 24,296.25	\$ 246.84	\$ 7,417.73	\$ 118,286.02
CWL-24-07	Donald Carlson	Intakes	7	2/14/08	13898	W - S	\$ 1,575.00	\$ 25,871.25	\$ 431.97	\$ 7,849.70	\$ 116,279.05
CWL-34-07	James Paulson	Intakes	3	2/14/08	13899	W - S	\$ 661.65	\$ 26,532.90	\$ 185.13	\$ 8,034.83	\$ 115,432.27
CWL-50-07	Robert McCoy	Intakes	10	6/12/08	14059	W	\$ 2,250.00	\$ 28,782.90	\$ 617.10	\$ 8,651.93	\$ 112,565.17
CWL-61-07	Don Larson	Intakes	1	6/12/08	14060	W	\$ 225.00	\$ 29,007.90	\$ 61.71	\$ 8,713.64	\$ 112,278.46
CWL-65-07	Art Warner	Intakes	5	6/12/08	14061	W - S	\$ 982.38	\$ 29,990.28	\$ 308.55	\$ 9,022.19	\$ 110,987.53
CWL-12-07	Glen Krog	No-Till - 2nd Payment	125 acres	7/10/08	14108	P	\$ 3,750.00	\$ 33,740.28	\$ -	\$ 9,022.19	\$ 107,237.53
CWL-13-07	Calvin Gilbert	No-Till - 2nd Payment	40 acres	7/10/08	14107	P	\$ 1,200.00	\$ 34,940.28	\$ -	\$ 9,022.19	\$ 106,037.53
CWL-14-07	Josh Oslund	No-Till - 2nd Payment	63 acres	7/10/08	14106	P	\$ 1,890.00	\$ 36,830.28	\$ -	\$ 9,022.19	\$ 104,147.53
CWL-15-07	Conrad Schardin	No-Till - 2nd Payment	125 acres	7/10/08	14105	P	\$ 3,750.00	\$ 40,580.28	\$ -	\$ 9,022.19	\$ 100,397.53
CWL-32-07	Scott Helget	No Till - 1st Payment	16.1 acres	7/10/08	14103	P	\$ 483.00	\$ 41,063.28	\$ -	\$ 9,022.19	\$ 99,914.53

Appendix A

CWL-40-07	Scott Helget	No-Till -1st Payment	42 acres	7/10/08	14104	P	\$ 1,260.00	\$ 42,323.28	\$ -	\$ 9,022.19	\$ 98,654.53
CWL-45-07	Cory Jensen	No-Till - 1st Payment	46 acres	7/10/08	14109	P	\$ 1,380.00	\$ 43,703.28	\$ -	\$ 9,022.19	\$ 97,274.53
CWL-62-07	Roland Luepke	Intakes	3	7/10/08	14102	W	\$ 675.00	\$ 44,378.28	\$ 185.13	\$ 9,207.32	\$ 96,414.40
CWL-70-07	James Ourada	Intakes	7	7/10/08	14159	W	\$ 1,575.00	\$ 45,953.28	\$ 431.97	\$ 9,639.29	\$ 94,407.43
CWL-59-07	Lowell Thooft (See Diversified)	1st Nut Mgt	205 ac	9/11/08	14196	P	\$ 3,075.00	\$ 49,028.28	\$ -	\$ 9,639.29	\$ 91,332.43
CWL-60-07	Weber Farms (See Diversified)	1st Nut Mgt	250 ac	9/11/08	14197	P	\$ 3,750.00	\$ 52,778.28	\$ -	\$ 9,639.29	\$ 87,582.43
	Diversified Res. Mgt	TSP for Thooft&Weber		9/11/08	14195	P	\$ 2,730.00	\$ 55,508.28	\$ -	\$ 9,639.29	\$ 84,852.43
CWL-68-07	James Ourada	Intakes	11	11/13/08	14302	W - S	\$ 2,025.00	\$ 57,533.28	\$ 678.81	\$ 10,318.10	\$ 82,148.62
CWL-71-07	Donald Guhlke	Intakes	1	12/11/08	14319	W	\$ 225.00	\$ 57,758.28	\$ 61.71	\$ 10,379.81	\$ 81,861.91
CWL-39-07	Robert Boerboom	Intakes	6	1/8/09	14379	W	\$ 1,350.00	\$ 59,108.28	\$ 370.26	\$ 10,750.07	\$ 80,141.65
CWL-48-07	George Landuyt	Intakes	9	1/8/09	14378	W - S	\$ 2,189.07	\$ 61,297.35	\$ 555.39	\$ 11,305.46	\$ 77,397.19
CWL-51-07	Lee Potter	Intakes	1	1/8/2009	14380	W	\$ 225.00	\$ 61,522.35	\$ 61.71	\$ 11,367.17	\$ 77,110.48
CWL-56-07	Richard Nerem	Intakes	2	1/8/2009	14381	W - S	\$ 450.00	\$ 61,972.35	\$ 123.42	\$ 11,490.59	\$ 76,537.06
CWL-58 -07	Robert Carr	Intakes	8	2/20/2009	14429	W - S	\$ 1,020.00	\$ 62,992.35	\$ 493.68	\$ 11,984.27	\$ 75,023.38
CWL-64-07	Jon Busack	Intakes	1	2/20/2009	14430	W	\$ 225.00	\$ 63,217.35	\$ 61.71	\$ 12,045.98	\$ 74,736.67
CWL-69-07	James Ourada	Intakes	5	2/20/2009	14431	W	\$ 1,125.00	\$ 64,342.35	\$ 308.55	\$ 12,354.53	\$ 73,303.12
CWL-26-07	Daniel Schmidt	Intakes	10	5/14/2009	14535	W	\$ 2,250.00	\$ 66,592.35	\$ 617.10	\$ 12,971.63	\$ 70,436.02
CWL-66-07	Bob Hoffbeck	Intakes	3	5/14/2009	14534	W	\$ 675.00	\$ 67,267.35	\$ 185.13	\$ 13,156.76	\$ 69,575.89
CWL-57-07	Duane Carrow	Intakes	6	6/11/2009	14587	W	\$ 675.00	\$ 67,942.35	\$ 370.26	\$ 13,527.02	\$ 68,530.63
CWL-63-07	Bruce Rigge	Intakes	2	6/11/2009	14588	W	\$ 450.00	\$ 68,392.35	\$ 123.42	\$ 13,650.44	\$ 67,957.21
CWL-73-07	Ivan Kuhlman	Intakes	3	6/11/2009	14589	W	\$ 675.00	\$ 69,067.35	\$ 185.13	\$ 13,835.57	\$ 67,097.08
CWL-12-07	Glen Krog	No Till - 3rd & Final Pay	125	6/11/2009	14593	W	\$ 3,750.00	\$ 72,817.35		\$ 13,835.57	\$ 63,347.08
CWL-15-07	Conrad Schardin	No Till - 3rd & Final Pay	125	6/12/2009	14582	W	\$ 3,750.00	\$ 76,567.35		\$ 13,835.57	\$ 59,597.08
CWL-13-07	Calvin Gilbert	No Till - 3rd & Final Pay	40	6/11/2009	14580	W	\$ 1,200.00	\$ 77,767.35		\$ 13,835.57	\$ 58,397.08
CWL-37-07	Micah Eidem	Strip Till - 1st Payment	123.6	6/11/2009	14584	P	\$ 3,708.00	\$ 81,475.35		\$ 13,835.57	\$ 54,689.08
CWL-14-07	Josh Oslund	No Till - 3rd & Final Pay	63	6/11/2009	14581	W	\$ 1,890.00	\$ 83,365.35		\$ 13,835.57	\$ 52,799.08
CWL-32-07	Scott Helget	No Till - 2nd Payment	16.1	6/11/2009	14583	P	\$ 483.00	\$ 83,848.35		\$ 13,835.57	\$ 52,316.08
CWL-40-07	Scott Helget	No Till - 2nd Payment	42	6/11/2009	14585	P	\$ 1,260.00	\$ 85,108.35		\$ 13,835.57	\$ 51,056.08
CWL-45-07	Cory Jensen	No Till - 2nd Payment	46	6/11/2009	14586	P	\$ 1,380.00	\$ 86,488.35		\$ 13,835.57	\$ 49,676.08
CWL-49-07	Cory Jensen	Intakes	2	7/9/2009	14617	W	\$ 450.00	\$ 86,938.35	\$ 123.42	\$ 13,958.99	\$ 49,102.66
CWL-67-07	Jeff Otto	Intakes	6	7/9/2009	14618	W	\$ 1,350.00	\$ 88,288.35	\$ 370.26	\$ 14,329.25	\$ 47,382.40
CWL-22-07	V Paul Hagen	Intakes	2	7/9/2009	14619	W	\$ 450.00	\$ 88,738.35	\$ 123.42	\$ 14,452.67	\$ 46,808.98
CWL-59-07	Lowell Thooft	2nd Nut Mgmt	205 ac	9/10/2009	14731	P	\$ 3,075.00	\$ 91,813.35		\$ 14,452.67	\$ 43,733.98
CWL-60-07	Weber Farms	2nd Nut Mgmt	250 ac	9/10/2009	14730	P	\$ 3,750.00	\$ 95,563.35		\$ 14,452.67	\$ 39,983.98
	TSP - Thooft & Weber	TSP		9/10/2009	14729	P	\$ 2,730.00	\$ 98,293.35		\$ 14,452.67	\$ 37,253.98
CWL-54-07	Willard Pfarr	Intakes	1	11/12/2009	14807	W	\$ 225.00	\$ 98,518.35	\$ 61.71	\$ 14,514.38	\$ 36,967.27
CWL-32-07	Scott Helget	No Till - 3rd & Final Pay	16.1	6/10/2010	15106	P	\$ 483.00	\$ 99,001.35	\$ 160.00	\$ 14,674.38	\$ 36,324.27
CWL-40-07	Scott Helget	No Till - 3rd & Final Pay	42	6/10/2010	15107	P	\$ 1,260.00	\$ 100,261.35	\$ 420.00	\$ 15,094.38	\$ 34,644.27
CWL-45-07	Cory Jensen	No Till - 3rd & Final Pay	46	6/10/2010	15105	P	\$ 1,380.00	\$ 101,641.35	\$ 460.00	\$ 15,554.38	\$ 32,804.27
CWL-78-07	Kelly Sik	Intakes	3	6/10/2010	15108	W	\$ 900.00	\$ 102,541.35	\$ 246.84	\$ 15,801.22	\$ 31,657.43
CWL-37-07	Micah Eidem	Strip Till - 2nd Payment	123.6 Acres	7/7/2010	15157	P	\$ 3,708.00	\$ 106,249.35		\$ 15,801.22	\$ 27,949.43
CWL-59-07	Lowell Thooft	3rd & Final Nut Mgmt	205 Acres	7/7/2010	15158	P	\$ 3,075.00	\$ 109,324.35	\$ 583.00	\$ 16,384.22	\$ 24,291.43
CWL-60-07	Weber Farms	3rd & Final Nut Mgmt	250 Acres	7/7/2010	15159	P	\$ 3,750.00	\$ 113,074.35	\$ 583.00	\$ 16,967.22	\$ 19,958.43
	TSP - Thooft & Weber	TSP		7/7/2010	15156	P	\$ 2,730.00	\$ 115,804.35		\$ 16,967.22	\$ 17,228.43
CWL-37-07	Micah Eidem	Strip Till - 3rd & Final Pay	123.6 Acres	6/9/2011	15567	P-F	\$ 3,708.00	\$ 119,512.35	\$ 1,236.00	\$ 18,203.22	\$ 12,284.43
CWL-79-07	Robert Kammerer	Wat./Sed. Cont. Structure	1	6/24/2011	15578	F	\$12,284.43	\$ 131,796.78	\$ -	\$ 18,203.22	\$ (0.00)

SOIL AND WATER CONSERVATION DISTRICTS

"Helping bring YOU clean water"



Redwood SWCD

1241 E. Bridge St.—Suite C
Redwood Falls, MN 56283
Phone: 507-637-2427 EXT 3
Fax: 507-637-6002
redwoodswcd.org

Supervisors

Chair
Donald Steffen
District II
(507) 648-3485

Vice Chair
Mike Hewitt
District V
(507) 859-2406

Secretary
Thomas Morley
District I
(507) 641-3742

Treasurer
Tom Daub
District IV
(507) 342-5493

PR & I
Ralph Heiling
District III
(507) 249-3568

Staff

Marilyn
Bernhardson
District
Administrator

Kari Clouse
Office Assistant

Kane Radel
District
Technician

Rachel Frank
Education
Coordinator

February 4, 2008

NEWS RELEASE: FOR IMMEDIATE PUBLICATION

FROM: RACHEL FRANK, REDWOOD SWCD

SUBJECT: \$600,000 Clean Water Legacy Grant Received

Redwood Soil and Water Conservation District, along with six other soil and water conservation districts, were recently awarded a \$600,000 grant from the Clean Water Legacy Program. Of the \$600,000 grant, \$300,000 of the grant will come from the Board of Water and Soil Resources and the remaining \$300,000 will be from a 319 grant.

The funds will help address the dissolved oxygen total maximum daily load (TMDL) in the lower Minnesota River Watershed. The funds can only be used in the parts of the soil and water conservation districts that lie in the Redwood and Cottonwood River watersheds.

The best management practices which the grant is able to fund include water and sediment control basins, terraces, waterways, repairing multi-purpose dams, alternative intakes, and nutrient management.

The funds must be utilized by June 30, 2010. If anyone is interested in any of the best management practices listed, please contact the Redwood Soil and Water Conservation District at 507-637-2427 Ext. 3 or visit our office located in the Ag Service Center at 1241 East Bridge Street in Redwood Falls.