

### **Implementation Program**

**This section establishes the implementation program for the Priority Concerns. The program will identify the following items:**

- ◆ Action to be completed.
- ◆ Who is responsible for implementation of the action
- ◆ When the action will be completed.
- ◆ The financial resources necessary to complete action.
- ◆ Which watershed, water body or groundwater resource will benefit from the accomplished action.

***Below is a list of abbreviations used under the Action items of this Implementation Program section:***

- ◆ **WMC** = Water Management Coordinator
- ◆ **SWCD** = Soil and Water Conservation District
- ◆ **RCWMP** = Redwood County Water Management Plan
- ◆ **NRCS** = Natural Resources Conservation Service
- ◆ **FSA** = Farm Service Agency
- ◆ **USFWS** = United States Fish & Wildlife Service
- ◆ **DNR** = Department of Natural Resources
- ◆ **CH** = Redwood County Highway Department
- ◆ **Twps** = Townships
- ◆ **Area II** = Area II Minnesota River Basin Project
- ◆ **EO** = Redwood County Environmental Office
- ◆ **RCRCA** = Redwood-Cottonwood Rivers Control Area
- ◆ **EXT** = University of Minnesota Extension Service

***PRIORITY CONCERN 1: GROUNDWATER PROTECTION THAT WILL FOCUS ON WELLHEAD PROTECTION FOR PUBLIC WATER SUPPLY.***

**GOAL:** Work with cities and groups to ensure groundwater supply for public water suppliers are protected from contamination.

Prevent public drinking supplies from becoming polluted by working with suppliers to manage possible sources of contamination.

Protect public water supplies from possible sources of contamination due to land use activities.

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**OBJECTIVE 1:** The cities of Belview, Vesta, Morgan and Redwood Falls have completed Phase I of the Wellhead Protection Plan. Make contact with officials in the remaining 11 cities to encourage delineation of wellhead protection areas and drinking water supply management areas and to conduct the vulnerability assessments of the public water supply wells and drinking water supply management areas.

**ACTION:** Send letters to two cities each year outlining the importance of completing Phase I, the delineation of wellhead protection areas.

Who: WMC  
When: 2007-2012  
Cost: In-kind  
Benefit: Groundwater

**OBJECTIVE 2:** Identify landowners who own and operate land in the delineated wellhead protection areas and encourage them to use practices that will aid in the protection of groundwater.

**ACTION:** Identify landowners, using tract numbers, and provide them with brochure on the importance of wise land use in these delineated areas.

Who: SWCD  
When: 2006-2011  
Cost: \$100 to develop brochure  
Benefit: Groundwater

**OBJECTIVE 3:** Provide well sealing funds to individuals who have abandoned wells in the wellhead protection areas of each city.

**ACTION:** Send letter to identified individuals who may have abandoned wells in protection area, giving them highest priority for well sealing funds.

Who: RCWMP  
When: 2006-2011 (as cities complete)  
Cost: \$200 per well sealed  
Benefit: Groundwater

**OBJECTIVE 4:** Develop a program for private well users to identify concerns for contamination.

**ACTION:** Develop a brochure identifying potential groundwater contaminants for private well users and distribute.

Who: RCWMP  
When: 2008  
Cost: \$100 to develop brochure  
Benefit: Groundwater

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**OBJECTIVE 5:** Educate county citizens of all ages on the importance of groundwater protection.

**ACTION:** Make 10 presentations utilizing the groundwater model and other educational tools to illustrate the importance of groundwater protection.

Who: RCWMP, SWCD

When: 2006-2011

Cost: \$100/year

Benefit: Schools, civic groups and other organizations

### ***PRIORITY CONCERN 2: DRAINAGE MANAGEMENT FOCUSING ON WETLAND RESTORATIONS AND FLOODWATER RETENTION OPPORTUNITIES.***

**GOAL:** Provide protection to the drainage management system in place in the county.

**OBJECTIVE 1:** Apply watershed-based principles to properly managing drainage system and wetland restorations.

**ACTION:** Enroll 10 people in the Farmable Wetland Program and CP-23 program to reduce flood potential by restoring wetlands.

Who: SWCD, NRCS, FSA, USFWS, DNR

When: 2006-2011

Cost: \$200,000 - \$400,000

Benefit: Redwood River and Cottonwood River watersheds

**ACTION:** Implement the State Wetland Conservation Act. Redwood SWCD has been identified as the Local Governmental Unit in charge of implementation:

Who: SWCD

When: 2006-2011

Cost: \$25,000 per year (BWSR 11,418 and SWCD in-kind)

Benefit: All county watersheds and rivers

**OBJECTIVE 2:** Incorporate flood control benefits into future road and bridge replacements.

**ACTION:** Replace a bridge with a floodwater retention project whenever possible.

Who: RCWMP, CH, Twps, Area II

When: 2006-2011

Cost: \$30,000-\$200,000 per project

Benefit: Cottonwood River and Redwood River

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**OBJECTIVE 3:** Improve the drainage ditch system in the county through proper management and the implementation of filterstrips.

**ACTION:** Assess the percentage of drainage ways in the county protected by filterstrips.

Who: NRCS, SWCD, FSA

When: 2006-2011

Cost: In-kind

Benefit: All watersheds in county

**ACTION:** Utilizing CRP, promote filterstrips until 50% of the water courses in the county have filterstrips at least 33 feet wide.

Who: SWCD, NRCS, FSA

When: 2006-2011

Cost: \$200,000 - \$400,000

Benefits: All watersheds and water courses in the county

**ACTION:** Maintain the 72.5 acres of filterstrips enrolled through Redwood County Water Management Plan.

Who: RCWMP

When: 2006-2011

Cost: \$9,400

Benefits: Drainage system where each filterstrip lies

**OBJECTIVE 4:** Educate landowners in the county on the drainage issues.

**ACTION:** Through news releases and direct contact inform landowners of the importance of not farming right up to a water course and the importance of leaving a filterstrip to protect the drainage system.

Who: SWCD, NRCS, FSA, EO

When: 2006-2011

Cost: In-kind

Benefits: All water courses in the county

**ACTION:** Write a newsletter and newspaper article at least once each year to promote awareness of drainage regulations that affect citizens in the county.

Who: RCWMP, SWCD

When: 2006-2011

Cost: In-kind

Benefit: Redwood County citizens

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### ***PRIORITY CONCERN 3: SURFACE WATER QUALITY ADDRESSING THE FOLLOWING PRIORITY POLLUTANTS: PHOSPHORUS, NITROGEN AND FECAL COLIFORM BACTERIA.***

**GOAL:** To improve, restore and protect the surface water quality of the lakes, rivers and streams in Redwood County.

**OBJECTIVE 1:** Promote and encourage the use of University of Minnesota Recommendations for nutrient management.

**ACTION:** Work with five producers each year to develop nutrient management plans that follow University of Minnesota recommendations.

Who: NRCS, SWCD

When: 2006-2011

Cost: \$10,000

Benefits: Watersheds in which producers are located

**ACTION:** Work with commercial fertilizer applicators to ensure that the maximum yield is obtained while applying and utilizing the least amount of fertilizer.

Who: NRCS, SWCD, EXT

When: 2006-2011

Cost: In-kind

Benefits: All watersheds in the county

**OBJECTIVE 2:** Work with landowners who utilize manure to educate them on the importance of testing and correct application.

**ACTION:** Each year, work with two livestock producers who utilize manure to ensure they are testing before application and taking proper credits.

Who: NRCS, SWCD

When: 2006-2011

Cost: In-kind

Benefits: Watersheds in which producers are located

**OBJECTIVE 3:** Provide technical assistance to feedlot operators who have a positive FLEval rating.

**ACTION:** Each year, provide assistance to one feedlot operator who has a pollution problem utilizing funds through the EQIP or State Cost Share programs.

Who: NRCS, SWCD, EO

When: 2006-2011

Cost: \$20,000 - \$150,000

Benefits: Watershed in which producer is located

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**OBJECTIVE 4:** Target all identified Total Maximum Daily Load (TMDL) water bodies for implementation of practices to reduce pollutants.

**ACTION:** Promote the installation of best management practices that will aid in the reduction of pollutant loading.

Who: SWCD, NRCS

When: 2006-2011

Cost: \$40,000 - \$300,000

Benefits: Redwood River and Cottonwood River watersheds

**OBJECTIVE 5:** Identify failing septic systems in the Redwood River and Cottonwood River watersheds.

**ACTION:** Upgrade 50 failing septic systems each year, utilizing low-interest loan programs for 25 of the upgrades.

Who: EO, SWCD, RCRCA

When: 2006-2011

Cost: \$175,000 (low interest loans)

Benefits: Redwood River and Cottonwood River Watersheds

**OBJECTIVE 6:** Educate county citizens on the importance of runoff control and surface water protection.

**ACTION:** Make presentations to five groups utilizing the Enviroscape, Mobile Environmental Education Transport (MEET) and other educational tools.

Who: SWCD, RCRCA, EO

When: 2006-2011

Cost: In-kind

Benefit: Citizens of Redwood County

**ACTION:** Provide funds to sponsor presentations by the Prairie Ecology Bus Center to two schools in the county each year.

Who: RCWMP

When: 2006-2011

Cost: \$1,000

Benefit: School students in Redwood County

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### ***PRIORITY CONCERN 4: EROSION AND SEDIMENT CONTROL FOCUSING ON RESIDUE MANAGEMENT COUNTYWIDE AND GULLY AND CONCENTRATED FLOW AREAS IN THE SOUTHWEST PORTION OF REDWOOD COUNTY.***

**GOAL:** To protect and preserve the resource value of soil on agricultural producing land in Redwood County.

**OBJECTIVE 1:** Educate and encourage land operators on the importance of installing structural conservation practices to reduce erosion and sedimentation.

**ACTION:**

- Develop brochure promoting Best Management Practices (BMPs)
- Write 10 news releases promoting importance of installing BMPs
- Publish at least two newsletters jointly with other agencies
- Hold one public information gathering meeting each year

Who: SWCD, RCWMP, NRCS, FSA

When: 2006-2011

Cost: \$500/year

Benefit: All Redwood County citizens

**OBJECTIVE 2:** Continue to promote residue management.

**ACTION:**

- Write news releases promoting conservation tillage practices
- Make three presentations utilizing the rainfall simulator
- Enroll five producers to improve residue levels through EQIP

Who: SWCD, NRCS

When: 2006-2011

Cost: \$375,000

Benefit: Redwood River and Cottonwood River watersheds

**OBJECTIVE 4:** Protect and increase wildlife habitat.

**ACTION:** Work with five RIM contract holders to improve existing cover.

Who: SWCD, NRCS

When: 2006-2011

Cost: \$9,000

Benefit: Minnesota River Watershed

**ACTION:** Enroll 50 acres in general CRP sign-up.

Who: SWCD, NRCS, FSA

When: 2006-2011

Cost: \$6,000

Benefit: Minnesota River Watershed

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**ACTION:** Establish two acres per year of tree plantings to include field windbreaks, farmstead shelterbelt and wildlife plantings

Who: SWCD, NRCS, FSA

When: 2006-2011

Cost: \$3,750

Benefit: Redwood River and Cottonwood River watersheds