



Spring 2025

CONSERVATION CONNECTION

Roseau County SWCD Newsletter

Spring 2025

Oak Crest Coulee Project

The Oak Crest Coulee Project was made possible by the following partners: Roseau River Watershed District, City of Roseau, Oak Crest Golf Course, Roseau SWCD, Red River Watershed Management Board, and the State of Minnesota Clean Water Fund.

The City of Roseau and Oak Crest Golf Course reached out to the Roseau River Watershed District (RRWD) to help resolve problematic aquatic vegetation and algal growth as well as sedimentation within the channels and pooled waters of Oak Crest Coulee. Oak Crest Coulee runs through the City of Roseau's newest subdivision on the southside of town and golf course.



Before project —
Undesired plant and algae growth within the Oak Crest Coulee system

Runoff from streets, rooftops, and the golf



course carrying sediment and nutrients (phosphorous, nitrogen) was contributing to undesired plant growth and sedimentation within the coulee system, which in turn impacts the Roseau River. The RRWD reached out to local, regional, and state partners to secure funding needed to complete the project.

The engineering and design work was completed by Houston Engineering Inc. R & Q Trucking, Inc of Roseau won the bid to construct the project. The construction project started in late summer of 2024 and concluded in October 2024. Through an agreement with the City of Roseau, the Oak Crest Golf Course will oversee cattail and weed management. They will also draw water down in stormwater settling ponds and then do maintenance to remove the collected sediment as necessary.

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Project details—

Drain tile was placed to collect and convey water throughout the system. The water is first delivered to the iron-enhanced sand filters to remove phosphorous. The phosphorous binds to the iron as water moves through the filter by gravity. The sand filters should last about 30 years with proper maintenance of tiling and maintaining a vegetated buffer around the filter areas. Three reaches of iron-enhanced sand filters were placed within the channel. Estimated phosphorous reduction is 51.9 lbs per year.

Next, the water is delivered to a series of stormwater collection basins, where water slows down resulting in the settling of sediment. Estimated sediment reduction is 6.1 tons per year. This is equivalent to 1 small dump truck load. At this point, the stormwater is considered treated and then released through an outlet into the Roseau River.

The project totals 3,255 linear feet of channel ecosystem improvement and water management capabilities.



Culverts were placed for golf cart access and drainage allowance



Drop structure installed and adjacent areas seeded down



Outlet pipe and outlet installation



Drainage system showing drop structure, rock chute, adjacent seeded areas, golf cart access via culvert placement



Stormwater sediment basins along channel and before outlet to Roseau River



Iron-enhanced sand filter installation



Free Online Courses

Course 1: Regen Ag 101 is a self-paced course with presentations from Understanding Ag's expert instructors—all of whom are also experienced regenerative farmers and ranchers.

Course 2: Regen Ag Adaptive Grazing is a follow-up to Regen Ag 101. This is a grazing-centric course that takes a deeper dive into Adaptive Stewardship. Speakers will cover stock densities, forage biomass, and building a grazing plan.



Call us at 218-463-1903 to get registered!

SWCD

Supervisors

JOHN GAUKERUD—CHAIR
JAN MILLER—VICE-CHAIR
ULRIK AASKOV—TREASURER
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WWW.ROSEAUWCD.ORG

We are committed in addressing issues related to surface water, groundwater, soil and ecological resources by coordinating and joining with local partners for the sustainability and improvement of natural resources.

We provide technical and financial assistance to landowners, as well as public outreach to increase awareness and knowledge of important issues and programs.

Buffer Law Reminder

Take a look at your buffers along waterways this spring. Are they getting narrower or disappearing? **Minnesota's Buffer Law requires perennial vegetative buffers of up to 50 feet along lakes, rivers, and streams and buffers of 16.5 feet along public ditches.** These buffers help filter out phosphorus, nitrogen and sediment. Those landowners and operators that are out of compliance will be facing enforcement from Roseau County or relevant Watershed District unless corrected.



Buffer adjacent to a County Ditch

Expired / Expiring CRP—Landowners with CRP acres that have expired or will be expiring soon should contact the Roseau SWCD to find out if your fields are affected by the Buffer Law. If you are planning on breaking sod. Needing to reseed an area where a strip could have been left is a waste of your time and money.

Alternative Practices—Alternative practices are another way to satisfy the Buffer Law requirements. For fields bordering public ditch systems, a side-water inlet or grassed swale outlet installation for field drainage and a minimum 5 ft buffer along the field edge would suffice.



2025 ROSEAU SWCD TREE LIST

502 7th Street SW, Ste 5, Roseau, MN 56751

Call us at 218-463-1903 or stop by the office to place your order!

- Orders under \$100 require payment in full.
- Orders over \$100 require a minimum 50% down payment.
- Balance is due at before scheduled pickup day.
- NO CANCELLATIONS after February 1.
- Specially ordered trees CANNOT be cancelled.
- All Federal or State funded program trees require 50% down payment at the time of order or within the first billing cycle.
- All phone orders will need 50% deposit or payment in full before order is accepted.

The Roseau County SWCD accepts NO responsibility with regards to survival of planting stock or provisions for re-placements.

We reserve the right to substitute trees/size if the trees/size listed are not available and the right to cancel due to availability.

Finance charges will be assessed on a monthly basis for accounts with zero payment activity. **Daily storage fees** begin after the last scheduled pickup day.

1 bundle = 25 trees

SHRUBS	Growth Rate	Height	Cost Per Bundle
COTONEASTER	S-M	Up to 10'	\$45
CRANBERRY, Highbush	M	Up to 16'	\$45
DOGWOOD, Redosier	M	Up to 10'	\$45
LILAC, Common	M	8-12'	\$45
LILAC, Villosa	M	6-10'	\$45
WILLOW, Flame	F	Up to 20'	\$45
TREES	Growth Rate	Height	Cost Per Bundle
ASH, Mountain	S	15-25'	\$45
ASPEN, Quaking	F	50-75'	\$45
BIRCH, Paper	F	50-70'	\$45
CHERRY, Black	M	50-70'	\$45
CHERRY, Pin	M-F	Up to 30'	\$45
CHOKECHERRY, Common	M-F	20-30'	\$45
COTTONWOOD		75-100'+	\$45
COTTONWOOD, Male	F	80-100'+	\$45
CRAB, Red Splendor	M	15-25'	\$45
JUNEBERRY	M	6-15'	\$45
MAPLE, Red	M-F	50-70'	\$45
MAPLE, Silver	F	75'	\$45
OAK, Bur	S	70-80'+	\$45
OAK, Northern Red	F	60-80'+	\$45
PLUM, American	F	8-10'	\$45
POPLAR, Hybrid	F	40-60'	\$45
WALNUT, Black	F	35-75'	\$45
WILLOW, Laurel Leaf	F	25-40'	\$45

CONIFERS	Growth Rate	Height	Cost Per Bundle
CEDAR, Northern White	S-M	40-50'	\$45
JUNIPER, Rocky Mtn	S	10-25'	\$45
PINE, Jack	F then M	30-80'	\$45
PINE, Norway	M-F	50-80'	\$45
PINE, Ponderosa	M-F	60-100'+	\$45
PINE, Scotch	R	60-100'+	\$45
PINE, White	F	80-100'+	\$45
SPRUCE, Black Hills	F	30-60'	\$45
SPRUCE, Colorado Blue	S	50-100'+	\$45
SPRUCE, White	F	40-80'	\$45
SPRUCE, Meyer	F	90'+	\$45
POTTED CONIFER	≈ Size	Height	Cost Per Pot
Black Hills Spruce	18-24"	30-60'	\$17.50
Colorado Blue Spruce	24-30"	50-100'	\$17.50
Meyer Spruce	18-24"	90'+	\$17.50
White Cedar	18-24"	40-50'	\$17.50
White Spruce	18-24"	40-80'	\$17.50
SUPPLIES	# Items	Cost	
100 flags - 30" pink	bundle	\$15	
Terra-Sorb™	1/4 lb. pkg	\$5	
Terra-Sorb™	1 lb. pkg	\$15	
Premixed Plantskydd®	1 qt	\$22.50	
Plantskydd® deer repellent	1 lb box	\$30	
Plantskydd® deer repellent	2.2 lb box	\$50	
Granular Plantskydd®	1 lb cylinder	\$12	
Granular Plantskydd®	3 lb bag	\$30	
Tree Tubes	48" Tube	\$4	

2024 Rainfall

Township	April	May	June	July	Aug	Sept	Oct	May—Sep	Apr—Oct
America—K. Cole	1.40	4.82	6.00	4.19	1.95	2.13	0.99	19.09	21.48
Barnett—O. Vacura	1.45	4.37	5.23	4.46	2.33	3.29	1.24	19.68	22.37
Beaver—D. Grugal	0.56	4.94	5.87	4.04	2.34	2.50	0.91	19.69	21.16
Cedarbend—D. Olson	1.48	5.3	6.02	5.07	2.31	2.28	0.92	20.98	23.38
Dewey—D. Gustafson	1.96	4.68	4.91	3.80	2.24	2.71	0.72	18.34	21.02
Dieter—R. Braaten	1.36	3.87	5.37	4.53	2.50	0.82	0.95	17.09	19.40
Enstrom—Santl Farms	1.25	4.35	6.41	3.64	2.21	2.21	1.05	18.82	21.12
Falun—E. Johnson	0.70	5.95	5.58	4.53	1.48	2.72	0.85	20.26	21.81
Golden Valley—K. Zimdars	1.28	5.40	6.21	4.04	3.80	2.29	1.06	21.74	24.08
Grimstad—M. Whitt	1.50	3.93	5.71	3.91	2.22	2.44	0.97	18.21	20.68
Hereim—B. Evans	1.31	4.15	5.32	4.17	1.59	2.57	0.98	17.80	20.09
Huss—L. Wiskow	1.48	4.25	4.47	3.4	1.76	5.21	0.77	19.09	21.34
Jadis—D. Grafstrom	1.46	3.60	4.82	4.56	2.47		0.80	15.45	17.71
N. Jadis Addn—Customs	1.48	4.12	5.03	4.56	2.80	1.71	0.72	18.22	20.42
Juneberry—C. Sikorski	1.59	4.45	3.86	3.11	3.21	1.55		16.18	17.77
Lake—B. Wennerstrand*	1.47	4.46	5.10	4.92	2.08	1.69		18.25	19.72
Laona—Estling Farms		4.38	5.08	3.63	2.83	2.17	0.78	18.09	18.87
Malung—R. Sandstrom	1.24	3.61	5.16	4.22	2.12	2.04	1.11	17.15	19.50
Moranville—J. Knudson	1.42	4.76	5.47	3.06	2.31	1.71	0.78	17.31	19.51
Palmville—Oslund	3.20	5.29	6.97	4.39	3.02	2.48	0.65	22.15	26.00
Pohlitz—Roseau WMA*	1.42	4.06	5.05	3.51	2.48	1.20	0.93	16.30	18.65
Polonia—P. Gryskiewicz	1.31	3.91	3.88	3.38	1.65	1.43	1.08	14.25	16.64
Poplar Grove—E. Gust	1.32	4.42	6.62	4.24	2.11	3.12	0.58	20.51	22.41
Spruce—C. Johnson	1.24	3.83	5.21	3.67	1.66	1.88	0.89	16.25	18.38
Stafford—T. Dahlgren	1.40	3.84	4.81	4.38	2.12	2.24	1.09	17.39	19.88
Stokes—J. Gaukerud	1.60	3.22	4.63	3.28	2.03	1.40	1.03	14.56	17.19
Stokes—P. Monsrud	1.60	4.35	5.27	4.14	1.58	2.27	1.75	17.61	20.96
Warroad (E. Lake)—G. Bitzer	1.60	4.44	5.26	4.32	2.57	2.57	0.73	19.16	21.49
Average	1.45	4.33	5.33	4.04	2.28	2.25	0.94	18.20	20.47

* measures precipitation the whole year

Rainfall monitoring participants are needed for Clear River, Deer, Mickinock, Moose, Nereson, Reine, Ross, Skagen, and Soler Townships. Participants get a free rain gauge and parts as needed.

2024 Lake of the Woods Watercraft Inspection

Sites	May	June	July	Aug	Sept	Total
Zippel Bay State Park	102	144	207	163	41	657
Warroad	265	773	508	481	325	2352
Wheelers	1109	824	1047	841	112	3933
Rocky Point Resort				257	77	334
Springsteel	36	117				153
Ka Ka Geesik	56	12	5	26		99
Total	1568	1870	1767	1768	555	7528

Boat Type	#
Cabin Cruiser	120
Canoe/Kayak	10
Fishing	7216
Jon Boat	4
LSP Transport Barge	1
Personal Watercraft	22
Pontoon	133
Runabout	17
Wakesport	2
Total	7528

Non-Structural Land Management Program

Dependent on federal funds that are currently frozen.

Call us periodically for funding availability.

Roseau County SWCD is offering landowners a payment to help establish Non-Structural Land Management Practices on the landscape. These practices can be applied anywhere in Roseau County.

Eligible Practices

- Cover Crop
- Residue and Tillage Mgmt: No Till
- Residue and Tillage Mgmt: Reduced Till
- Tree/Shrub Establishment
- Windbreak/Shelterbelt Establishment and Renovation

Terms of the Contract

Single Year Contracts

⇒ Flat rate payment:

\$25/acre single species Cover Crop

\$50/acre multi-species Cover Crop

\$35/acre No-Till; Reduced Till

⇒ 75% cost-share payment for tree practices



Benefits of Non-Structural Land Management Practices

- Reduce Soil Erosion
- Increase Water Infiltration
- Decrease Compaction
- Weed Suppression
- Improved Soil Health
- Better Trafficability

5 Steps to Assistance

How to Get Assistance from NRCS for Farms, Ranches and Forests

1 PLANNING

Visit your local NRCS field office to discuss your goals and work with staff on a conservation plan.

2 APPLICATION

With the help of NRCS, complete an application for financial assistance programs.

3 ELIGIBILITY

Find out if you're eligible for NRCS' variety of financial assistance programs.

4 RANKING

NRCS ranks applications according to local resource concerns.

5 IMPLEMENTING

Put conservation to work by signing a contract and implementing conservation practices.

Get Started with NRCS

Do you farm or ranch and want to make improvements to the land that you own or lease?

Natural Resources Conservation Service offers technical and financial assistance to help farmers, ranchers and forest landowners.

1 Planning

To get started with NRCS, we recommend you stop by your local NRCS field office.

We'll discuss your vision for your land.

NRCS provides landowners with free technical assistance, or advice, for their land. Common technical assistance includes: resource assessment, practice design and resource monitoring. Your conservation planner will help you determine if financial assistance is right for you.

2 Application

We'll walk you through the application process. To get started on applying for

financial assistance, we'll work with you:

- To fill out an AD 1026, which ensures a conservation plan is in place before lands with highly erodible soils are farmed. It also ensures that identified wetland areas are protected.
- To meet other eligibility certifications.

Once complete, we'll work with you on the application, or CPA 1200.

Applications for most programs are accepted on a continuous basis, but they're considered for funding in different ranking periods. Be sure to ask your local NRCS district conservationist about the deadline for the ranking period to ensure you turn in your application in time.

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3 Eligibility

As part of the application process, we'll check to see if you are eligible.

To do this, you'll need to bring:

- An official tax ID (Social Security number or an employer ID)
- A property deed or lease agreement to show you have control of the property; and
- A farm tract number.

If you don't have a farm tract number, you can get one from USDA's Farm Service Agency. Typically, the local FSA office is located in the same building as the local NRCS office. You only need a farm tract number if you're interested in financial assistance.

4 Ranking

NRCS will take a look at the applications and rank them according to local resource

concerns, the amount of conservation benefits the work will provide and the needs of applicants.

5 Implementing

If you're selected, you can choose whether to sign the contract for the work to be done.

Once you sign the contract, you'll be provided standards and specifications for completing the practice or practices, and then you will have a specified amount of time to implement. Once the work is implemented and inspected, you'll be paid the rate of compensation for the work if it meets NRCS standards and specifications.

To find out more, go to: www.nrcs.usda.gov/GetStarted

Contact your local NRCS office for assistance.

Roseau County NRCS contact information: 1-218-463-1862 X3

Submitted by Bonnie Hasbrouck, District Conservationist for Roseau County

Roseau County SWCD

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