

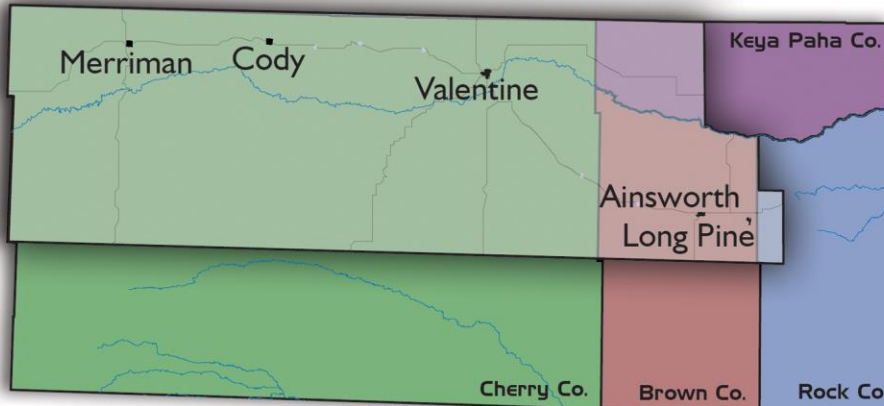
KNOW YOUR NRD



MIDDLE NIOBRARA
Natural Resources District
Valentine, NE

Nebraska's Natural Resources Districts
Making the Good Life Better Since 1972

Fall/Winter 2022



MIDDLE NIOBRARA NRD



Water Quality Facts (FY 2021-2022)

- 425 nitrate samples
- 410 total chemigation permits
- 225 chemigation inspections

Water Quantity Facts

- 574 registered domestic wells
- 230 static water level monitoring sites
- 151,281 certified irrigated acres
 - 111,790 groundwater
 - 32,038 surface water
 - 7,453 combination

Land Improvement Facts

- 3,089,650 trees planted since 1972
- 698 miles of weed barrier installed
- 96,100 trees planted in Spring 2022

Protecting Lives

Cost Share for High Nitrate Wells

- Do you have a domestic or household well that has high nitrates (>10 PPM)?
- Nebraska NRD's and NDEE are partnering to provide cost share assistance for the installation of reverse osmosis systems (RO's). This program will provide up to \$4,000 in reimbursement to qualified well owners.

Requirements for eligibility:

- Register your well with NDNR
- Cost estimate from licensed plumber
- Water sample test results showing high nitrates, that is less than a year old.

Applications open January 1st, 2023.
Call or stop into the MNNRD for an application and more details.

Protecting Property

Water Quantity

-The MNNRD took applications for new irrigated acres for the first time since 2014. 2,999 new irrigated acres were approved by the Board in October. Directors and Staff will meet in the Spring to evaluate data and decide on the possibility of accepting new acre applications for 2023.

-Staff completed 215 bi-yearly (Spring/Fall) well measurements looking at aquifer changes. Check out the MNNRD website or the link below for an interactive map showing aquifer data collected by the MNNRD.

<https://nrd.long103.io/public/embed/map/MN>

Protecting the

Water Quality

- Water quality cost-share applications are being accepted until the end of 2022. Water use efficiency upgrades and water quality projects are eligible for up to \$2,500 in cost share
- MNNRD staff collected 395 water samples this summer to be tested for nitrates. If your well is on the sample route, look for your letter with nitrate sample results soon.
- MNNRD provides in house and outsourced water testing for domestic, livestock, and irrigation quality issues. Call or stop into the office for available services and sample bottles.

Projects and Programs



Long Pine Creek Watershed (LPCW) & Cherry County WFPO's A, B, & E



The MNNRD and Houston Engineering Inc. (FYRA Engineering) are addressing threats to water quality and infrastructure within the Long Pine Creek Watershed. The watershed, approximately 332,000 acres primarily in Brown County, is mostly irrigated farming and rangeland around Ainsworth and Long Pine. Grants from NDDE & NET along with Federal funding through USDA-NRCS's Watershed Flood Prevention & Operations (WFPO) Program, are helping fund projects in the LPCW.

The MNNRD and E&A Consulting Group Inc. are in the middle of planning efforts through USDA-NRCS's WFPO Program on 3 Watersheds in Cherry County. Planning efforts will determine structural and non-structural projects through the Plan-EA's. WFPO Feasibility on Schlagel/Evergreen Creek Watershed has been completed.



Tree Program



- In 2022, 31 windbreaks were installed with 13,304 trees and 52,778 ft of fabric weed barrier as well as 33,962 hand plants and 44,000 reforestation pines. MNNRD is taking tree orders for Spring 2023. The District has a listing of available tree species and can also make special orders. Some species have limited inventory. Cost share assistance, project design, weed barrier, drip irrigation, and planting services are available. Checkout our new website at www.mnnrd.org, call 402-376-3241, or stop into the office.

NE Soil and Water Conservation Program (NSWCP)

- Sign-up for 2022-2023 has concluded. The MNNRD will be taking applications for 2023-2024 starting in May 2023.
- Trees 50% up to \$4,000.00
- Planned Grazing 60% up to \$5,000.00
- Miscellaneous practices include grassed waterway, pasture seeding, Critical area planting 60% up to \$5,000.00



Equipment Available



- 4 ft No-Till Drill (ATV/UTV),
- 7.5 ft Haybuster No-Till Drill (Tractor)
- 10 ft Haybuster No-Till Drill (Tractor)
- 10 ft Great Plains No-Till Drill (Tractor) Ainsworth, NE, please contact Kevin Johnson at (402) 760-1803
- Gopher Machine & Bait
- Composting: Compost Turner and Manure Spreader
- Trailers: 14' – 36'
- Tables & Chairs
- 3pt Tree Planters
- Dripline Irrigation Parts
- Wood Chips: Per Ton

Services Available



- Custom Composting
- Custom Woodchipping
- Custom Seed Drilling
- Custom Mowing
- Custom Rototilling
- Water Sampling
- Dripline Irrigation Installation
- Static Water Level Measurements
- Ultrasonic Flowmeter