Financial Assistance for Water Treatment

Dakota County has grant funding to help well owners with the expense of drinking water treatment devices to reduce certain contaminants that are over the MN Department of Health drinking water guidelines.

Grant-Eligible Contaminant	Drinking Water Guideline
Arsenic	2 µg/L (micrograms per liter)
Manganese	0.100 mg/L (milligrams per liter)
Nitrate	10 mg/L (milligrams per liter)
Coliform Bacteria	Any detection
Lead	Any detection

To be eligible to apply for a Drinking Water Treatment System Grant, your household must meet financial eligibility requirements. For more information visit www.dakotacounty.us and search "*Safe Drinking Water Grant*" *or* scan the QR code above.

This program is first come, first serve so you are encouraged to apply right away.

Should you have any questions I can be reached at watertreatment@co.dakota.mn.us or 952-891-7549.

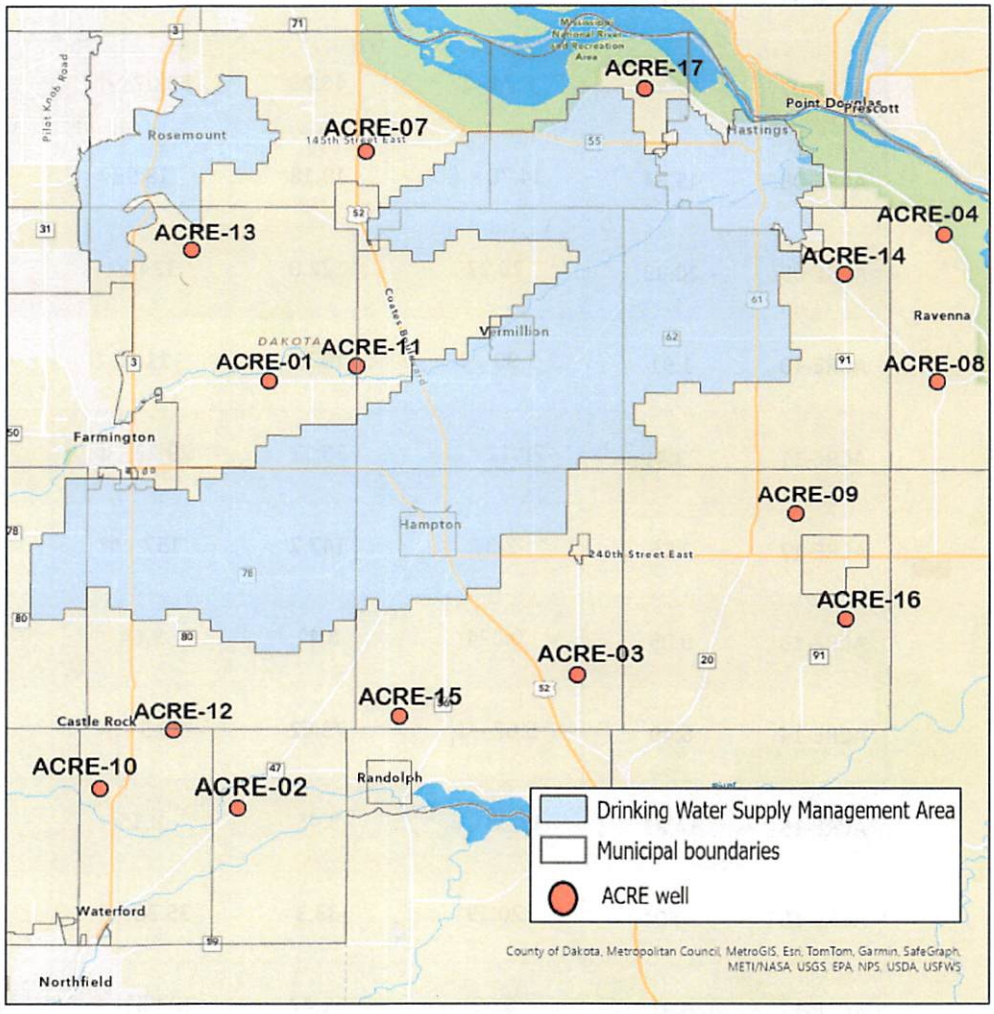
2022 – 2024 ACRE Monitoring Well Factsheet

Background

As part of the Agricultural Chemical Reduction Effort (ACRE) program, Dakota County installed 15 monitoring wells in rural parts of the county in 2021 and 2022. Since 2022, these wells are sampled three times annually in the spring, summer, and fall for nitrate, chloride, depth to water, and other measurements.

Dakota County will use the results to assess baseline nitrate conditions in vulnerable parts of the county, monitor trends in groundwater conditions through time, and evaluate progress in the ACRE program.

The map below shows the location of Dakota County's ACRE groundwater monitoring wells along with the Rosemount and Hastings Drinking Water Supply Management Areas (DWSMA) shaded in blue, which are areas where groundwater contamination can affect drinking water supplies.



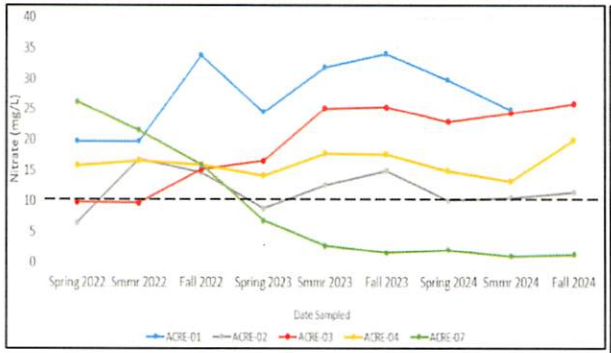
Results from past sampling events can be viewed online with an interactive web-based dashboard. This tool allows users to select specific monitoring wells and dates to see results of all measurements at the time of sampling. To view the ACRE Monitoring Well Dashboard, go to www.dakotacounty.us and search *ACRE*.

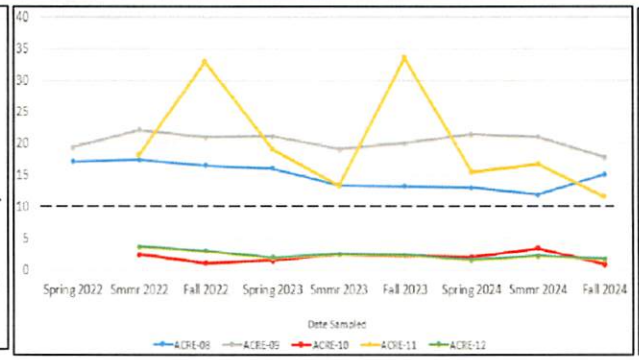
Funding for the ACRE Plan is provided through the Clean Water Land and Legacy Amendment, distributed by the Minnesota Department of Health (MDH) to Dakota County

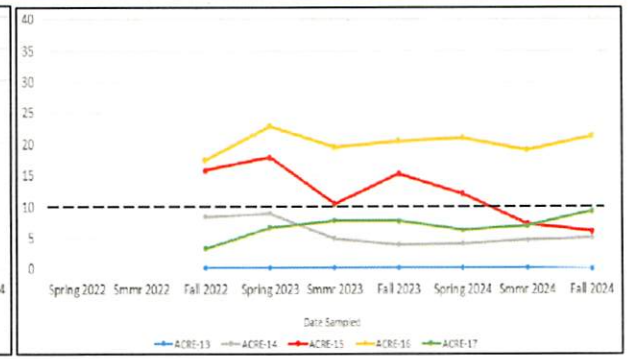
ACRE Well ID	Average nitrate concentration 2023 (mg/L)	Average nitrate concentration 2024 (mg/L)	Average chloride concentration 2023 (mg/L)	Average chloride concentration 2024 (mg/L)	Average depth to water 2023 (ft)	Average depth to water 2024 (ft)
ACRE-01	27.20	27.21	55.76	52.57 - ↓	10.27	9.95
ACRE-02	12.35	11.79 - ↓	11.83	12.26	13.04	12.75
ACRE-03	16.93	19.41 - ↑	33.35	28.38 - ↓	6.13	6.1
ACRE-04	16.29	16.19	57.35	62.76 - ↑	18.58	18.65
ACRE-07	12.43	8.74 -↓	45.75	53.07 - ↑	86.32	86.39
ACRE-08	15.54	14.78 - ↓	19.18	18.93	124.28	124.39
ACRE-09	20.38	20.27	122.0	124.22	66.03	65.05
ACRE-10	1.91	1.90 - ↓	10.76	11.02	10.92	10.53
ACRE-11	23.41	20.11 - ↓	38.12	29.22 - ↓	6.64	5.47
ACRE-12	2.66	2.32	147.2	157 - ↑	7.03	6.79
ACRE-13	0.05	0.024	8.47	9.64	33.78	40.84
ACRE-14	6.49	5.67 - ↓	73.62	75.5 - ↑	96.09	95.68
ACRE-15	14.82	12.08 - ↓	9.45	8.15	17.81	14.94
ACRE-16	20.04	20.19	33.3	35.38 - ↑	116.65	114.46
ACRE-17	6.31	6.79	61.42	103.81- ↑	156.41	156.66

Table 1: Changes in nitrate, chloride, and water level from 2023 to 2024 monitoring. Red up arrows indicate an increase in concentration, while green down arrows indicate a decrease.

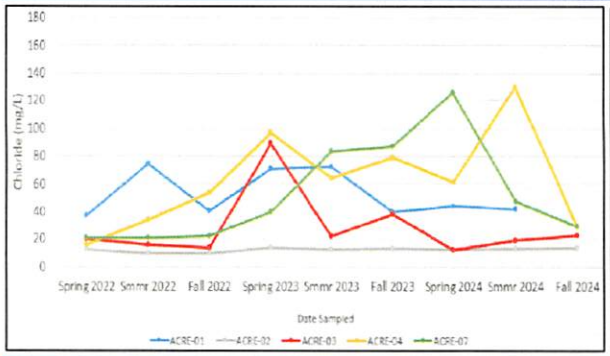
Nitrate drinking water guideline = 10 mg/L

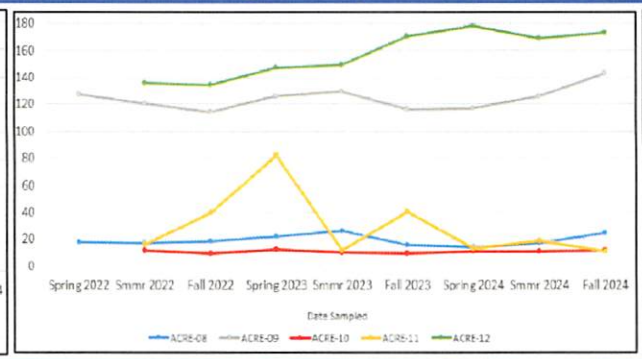


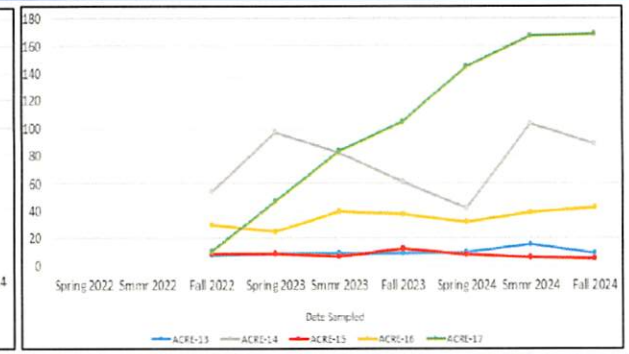




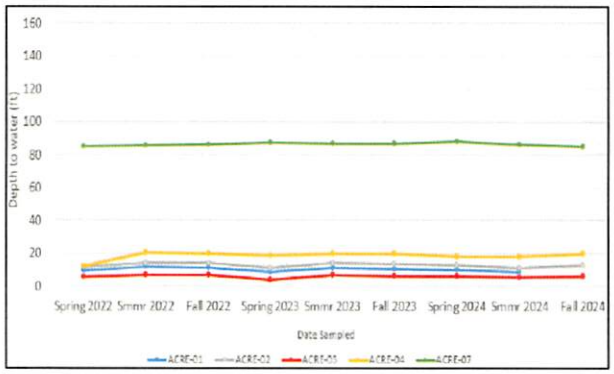
Chloride drinking water guideline = 250 mg/L

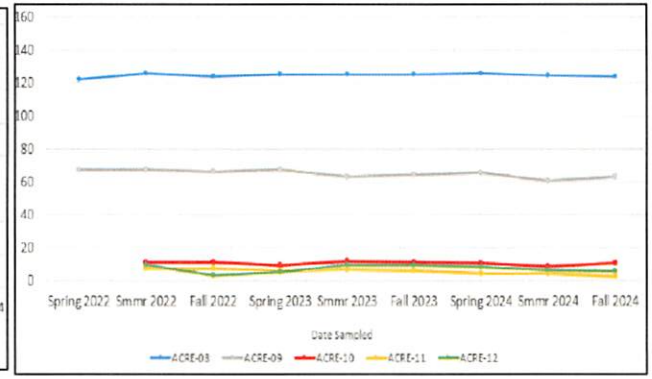


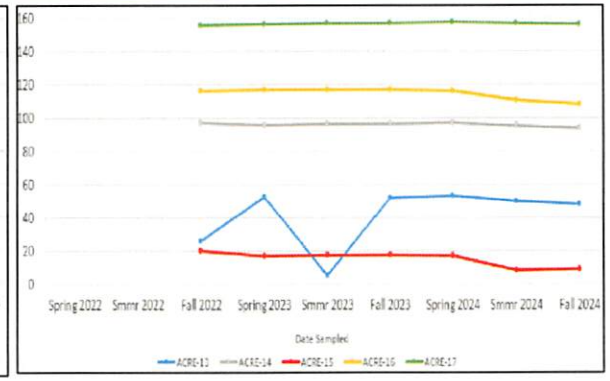


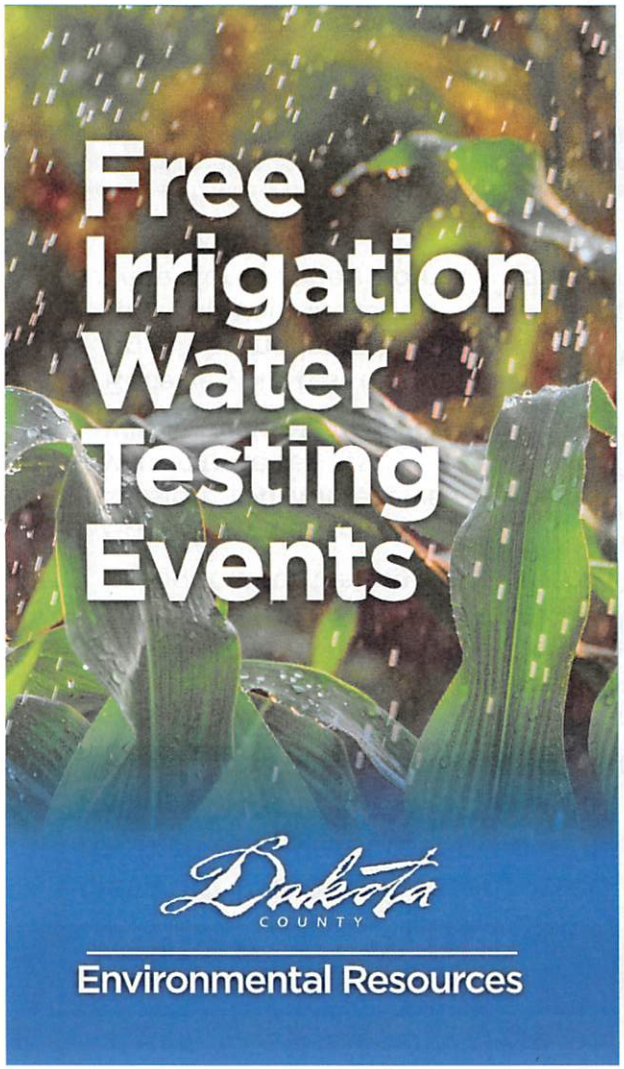


Depth to water









Sampling instructions

Visit www.co.dakota.mn.us and search *Irrigation water testing* or scan the QR code.

Monday, Aug. 4, 2–6:30 p.m.
Douglas Town Hall
12409 240th St., Hampton

Tuesday, Aug. 19, 2–6:30 p.m.
Marshan Town Hall
12497 205th St. E., Hastings

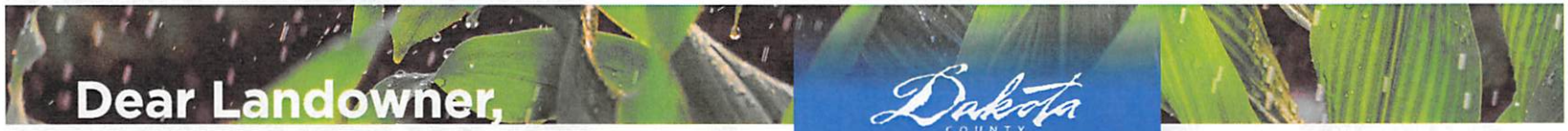
Tuesday, Sept. 2, 2 – 6:30 p.m.
Hampton City Hall
5265 238th St E., Hampton

Contact: Matt Belanger
Groundwater Protection
Environmental Specialist
952-891-7132

DAKOTA COUNTY SOIL & WATER CONSERVATION DISTRICT

MAWRC MINNESOTA AGRICULTURAL WATER RESOURCE CENTER

CLEAN WATER LAND & LEGACY AMENDMENT
Your Clean Water Fund at work



Dear Landowner,

Get your irrigation water tested for nitrate for free at several testing events in 2025.

How it works:

- Collect an irrigation water sample at any time. Samples that are taken ahead of time should be frozen until brought in for testing.
- Attend any drop-in session. You will receive your nitrate results within minutes.
- Receive your test results privately and learn how to credit your irrigation water for nitrogen from local experts.

Benefits of nitrate crediting:

- Saves significant costs by reducing fertilizer use. *For example: A farmer with 20 mg/L of nitrate can save ~$18/acre by applying 8-inches of water during the growing season.*
- Improves soil health.
- Protects your drinking water.

Results are private and intended for your use only – there are no requirements for participation. After receiving results, you will learn how to credit nitrogen in your irrigation water for future nutrient management planning.

Dakota COUNTY

Environmental Resources

Western Service Center
14955 Galaxie Avenue
Apple Valley, MN 55124

Free Irrigation Water Testing Events