

Fall 2025

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Tri-Basin Topics



A quarterly publication of Tri-Basin Natural Resources District

2025 Annual Report and Long-Range Plan

Tri-Basin NRD Vision

The vision (overall goal) for Tri-Basin NRD is to "work cooperatively with District residents to promote good stewardship of land and water resources."

Tri-Basin NRD Mission

Tri-Basin NRD's mission is to "manage, conserve and protect the District's land and water resources." This mission will be accomplished by protecting the quality and quantity of surface water and groundwater, reducing soil erosion and flooding, promoting agricultural best management practices, forestry, and wildlife habitat preservation. These tasks can only be accomplished by working cooperatively with residents and agencies of local, state, and federal government.

About Tri-Basin Natural Resources District

Tri-Basin Natural Resources District (NRD) protects lives, property, and the future of Gosper, Phelps, and Kearney counties through a wide-range of stewardship, management, and education programs—from tree planting to groundwater quality and quantity monitoring, from irrigation management to outdoor recreation and more. Activities and projects of Tri-Basin NRD are reviewed and approved by a locally elected board of directors. Tri-Basin NRD is one of 23 Natural Resource Districts across the state. For more information, visit tribasinnrd.org or call (308) 995-6688.

Protecting Groundwater Supplies

Protecting and managing groundwater supplies is one of the most important jobs we do at Tri-Basin NRD. Our groundwater management goal is to ensure that "all groundwater supplies within the Tri-Basin NRD will be used in a beneficial manner, efficiently managed and properly

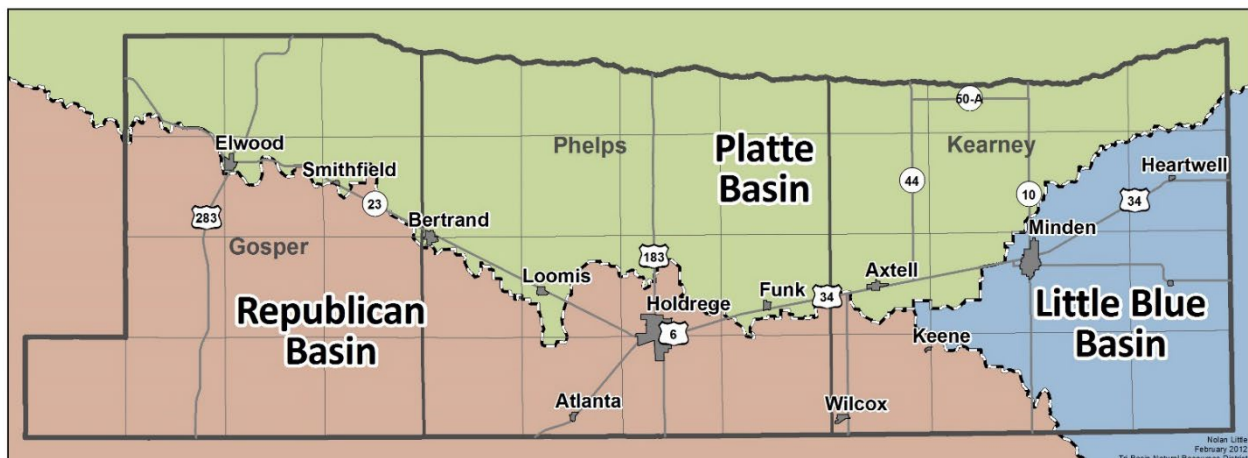
utilized to preserve this vital resource forever." Achieving that lofty goal is made more difficult by the variability of weather on the Great Plains. Just in the past decade we have seen extremely wet (2019) and dry years (2012 and 2022).

Because our climate is so unpredictable, the Tri-Basin NRD Board of Directors began working with the State of Nebraska and Central Nebraska Public Power and Irrigation District (CNPPID) back in 2006 to divert excess flows from the Platte when available and allow that water to soak into the ground.

It seeps down into our aquifers, stored until irrigators need it during a drought. We have diverted over 140,000 acre-feet of water in the past 19 years to ensure that our groundwater supplies remain viable, even during extreme drought.

Tri-Basin is also required to replace groundwater that is pumped by our irrigators, to the extent that it reduces streamflows in the Platte and Republican Rivers and their tributaries. The District currently operates three augmentation wells when needed to help sustain streamflows in the Platte and Republican River basins. The NRD also operates eight augmentation wells for the benefit of the Platte River Recovery Implementation Program (PRRIP). We are also working cooperatively with Lower Republican NRD and Central NE Public Power and Irrigation District (CNPPID) to develop the Platte-Republican Diversion. This project will enable us to divert water from the Platte when there are excess flows that exceed levels necessary for all other water users. We want to transport that water through CNPPID's canal system to Turkey Creek, a tributary of the Republican River. Platte flows diverted into

Basin Boundaries



the Republican basin are counted as “imported water” in the Republican River Compact calculations, so water that would otherwise flow down the Platte unused will help Nebraska fulfill our obligation to provide water to the state of Kansas.

Tri-Basin NRD is always looking for ways to help our irrigators improve their efficiency, so our agricultural economy and our drinking water supplies will be assured for the foreseeable future.

Tri-Basin’s Water Conservation Incentive Program (WCIP) began in 2019. It rewards participating producers that are willing to limit their groundwater use. A second WCIP option is targeted at CNPPID customers, encouraging them to use canal water to the extent possible, even when they also have groundwater wells. The NRD board uses a ranking system to determine which WCIP applications will provide the greatest benefit. Landowners have enrolled 2,227,48 groundwater acres and 5,138.91 commingled acres in WCIP through the 2025 crop year.

Tri-Basin’s board needs data to make timely and accurate decisions about groundwater management. The District started measuring groundwater levels in 1977, building on groundwater data collected by CNPPID and the University of Nebraska as far back as 1939. We now have a network of more than 200 irrigation wells, and 137 dedicated observation wells that NRD staff measures at least twice a year. Most dedicated observation wells also have automated sensors that record groundwater levels twice each day.

Tri-Basin NRD takes a proactive approach to groundwater management. It is our belief that we need to take action early to arrest groundwater declines and limit the need for additional restrictions. Tri-Basin NRD directors limited groundwater pumping in Union Township (5N-22W) in Gosper County starting in 2009 to protect the limited groundwater supply there. Elk Creek Township in Gosper County (5N-23W) was also designated as Phase Two for groundwater management during that time period. More recently, directors became concerned about declining groundwater levels in eastern Kearney County. Eaton Township, (7N, R13W), May Township (6N-13W), and Grant Township (5N-13W) have all been designated as Phase Two for groundwater quantity management. Annual water use reporting using flowmeters is required in Phase Two townships.

2025 Irrigation Water Management Forms

If you would like to have your reports mailed to you, call Tri-Basin NRD at 308-995-6688. Reports are due November 18, 2025.

Protecting the Quality of Groundwater

TBNRD has regulated fertilizer application to protect groundwater quality since 1989. District staff work cooperatively with farmers and agronomists to help improve the timeliness, efficiency, and effectiveness of fertilizer application. This has resulted in stable or declining nitrate-nitrogen levels in groundwater supplies throughout the district.

- 187 irrigation wells tested for nitrate levels in 2025.
- Nitrogen Reduction Incentive Program (NRIP) was implemented in 2025. The program, enacted by the

Nebraska Legislature, pays producers to reduce nitrogen fertilizer application rate. In Tri-Basin 110 applications were approved, enrolling 14,475 acres in the program. Producers will be reporting their results this fall. This program has been extended another year. Producers should contact Tri-Basin NRD for details.

Tri-Basin NRD staff protected groundwater supplies from contamination by permitting chemigation, the process of applying fertilizer and ag chemicals through irrigation systems. This process allows farmers to “spoon feed” fertilizer to their crops as it is needed and reduces nitrogen leaching below the crop root zone into the aquifer. Safety devices in chemigation systems are regularly inspected by NRD staff to ensure that the equipment will work as designed and prevent fertilizer from contaminating irrigation wells. In 2025, Tri-Basin NRD issued:



- 92 new chemigation permits
- 2,463 chemigation renewal permits
- 994 inspections of chemigation safety devices

Attention Chemigators:

Please drain your main line check valve to prevent freezing and extend the life of the check valve.

Planting Trees for Future Generations

Tri-Basin NRD sells conservation trees and shrubs for windbreak and habitat plantings. The district provided 1,025 free tree seedlings for local Arbor Day celebrations. Tri-Basin staff help landowners diagnose tree diseases and fungal blights and decide on treatment methods.



Tri-Basin NRD Conservation Tree Sales					
	2021	2022	2023	2024	2025
Contractor Planted	2,825	2,825	2,498	4,124	3,767
Hand-Plant	2,890	2,540	3,097	3,900	3,968

Providing Conservation Cost-share

Tri-Basin NRD provides and administers cost-share funds for many soil and water conservation practices, including well decommissioning, soil moisture sensors, irrigation well flowmeters, conservation tree plantings and conversion of irrigated cropland to dryland cropland and grassland.

Fiscal year 2024-2025 cost-share paid:

- \$20,306.89 for locally funded conservation tree plantings
- \$20,603.86 state funded NSWCP for conservation practices
- \$12,235.46 well decommissioning cost-share using state and local funds

Managing Financial Resources Wisely

Natural resources district budgets can vary considerably from year-to-year, due to funding for project construction, grant awards and other capital expenditures. The total budget for FY 2024-25 was \$2,993,908.68. The total budget for FY 2025-26 is \$3,008,783.49, which is a 38% increase Property tax asking in FY 2024-25 was \$1,806,117.80, whereas the tax asking for FY 2025-26 is \$1,861,627.78, which is an increase of only 3%. Budgets for the next five years are expected to follow a similar pattern of variability in overall expenses but increases in property taxes and the operating budget should be in line with general inflation.

- Tax levy set at 0.026089 for 2025-2026 fiscal year.

Tri-Basin NRD may need to acquire real estate by fee title for projects planned within the next five fiscal years. Land use easements will be needed if certain projects proceed.

An owner of a house valued at \$100,000 will pay just \$26.09 for fiscal year 2025-2026 to protect this area’s natural resources.

Personnel to Serve the District

Tri-Basin NRD’s personnel needs are currently met with a staff of twelve full-time employees at the office in Holdrege as well as three full-time NRCS field office employees. Carrie Putnam was hired jointly by TBNRD, Rainwater Basin Joint Venture and Central Platte NRD as an Integrated Water Programs Specialist. She works directly with farmers to find sustainable and profitable solutions for water quantity and quality management. The district doesn’t have plans to hire additional staff during the next five years.

Ensuring Rural Domestic Water Quality

Tri-Basin NRD wants rural residents in Gosper, Phelps, and Kearney Counties to have drinking water that is as safe as public water supplies. Any district resident who uses a rural household water well can ask NRD staff to sample their well once per year at no charge; the sample will be tested for nitrates and bacteria. For more information on this program, contact Tri-Basin NRD at (308) 995-6688.

- Domestic wells tested in 2024-2025: 24

Educating about Natural Resources

It is important to inform students as well as adults about the need to conserve and protect our natural resources. Tri-Basin holds many educational events throughout the year.

- South Central Water Conference: Presented in cooperation with CNPPID, UNL Extension, Lower Republican NRD and USDA-NRCS. Agricultural producers and agri-business professionals met to discuss current water issues in Late January or Early February at the Phelps County Ag Center.



- Rainwater Basin Conservation Day at Sacramento WMA hosted 136

Jr High students in 2025.

- The Natural Resources Report is a weekly audio update on natural resources issues every Wednesday at 4:17 p.m. on KRVN 880 AM radio.
- Nine in-person Nitrogen Management Classes were held across the district for producers with 119 attending.
- Water Jamboree is a collaborative event for fifth and sixth grade students. Attended by 460 students from 16 schools and three homeschools at Harlan County Lake

2024 Active Irrigation Wells

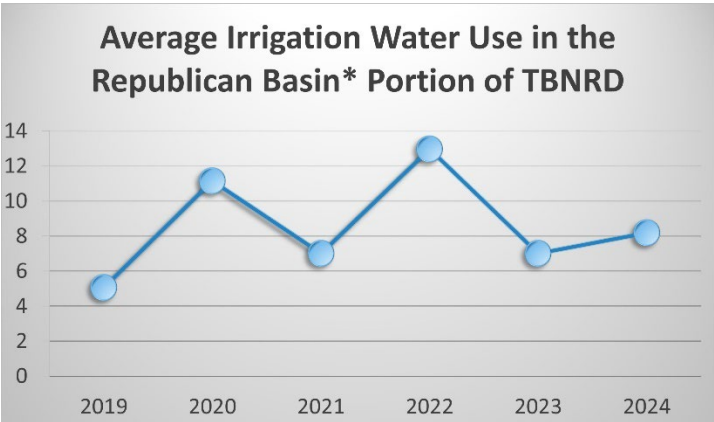
County	Total Irrigation Wells	Certified Irrigated Acres
Kearney County	2,127	229,075.08
Phelps County	2,178	258,255.44
Gosper County	766	93,540.95
Total	5,071	580,871.47
Basin	Total Irrigation Wells	Certified Irrigated Acres
Republican Basin	1,622	189,951.15
Platte Basin	2,608	299,056.74
Little Blue Basin	840	91,863.58
Total	5,071	580,871.47

TBNRD Staff to Inspect Flowmeters

Each year, NRD staff inspect and take readings from flowmeters in about one-third of the townships in the District. This year we will be doing inspections in Ranges 14W, 18W, and 22W, and 5-22 of Gosper County (Union Township).

If you have irrigation wells in these townships and you put your meters in storage for the winter, you can call Tri-Basin NRD at 1-877-995-6688 to schedule an inspection. If there is no meter at the site when TBNRD staff come to inspect, you will receive a letter requesting access to the meter for inspection.

*All Republican Basin irrigation wells are metered. Metered water use is also reported from a limited number of wells in the Platte and Little Blue Basins.



Left: Students at Rainwater Basin Conservation Day learning about geological formations of rocks and minerals.



Non-Profit Permit
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Permit No. 220

Tri-Basin Natural Resources District
1723 Burlington St. Holdrege, NE 68949
(308) 995-6688
email: tribasin@tribasinnrd.org
www.tribasinnrd.org

RETURN SERVICE REQUESTED

Nebraska's NRDs: Protecting Lives, Protecting Property, Protecting the Future

Calendar

October 13.....Columbus Day – Office Closed
October 22..... Board Meeting, 7:30 p.m.*
November 11Veteran's Day – Office Closed
November 19Board Meeting, 1:30 p.m.*
November 27-28Thanksgiving – Office Closed
December 17 Board Meeting, 1:30 p.m.*
December 25 Christmas Day - Office Closed
January 1New Year's Day - Office Closed
January 19 Martin Luther King Day – Office Closed
January 21Board Meeting, 1:30 p.m.*
TBDSouth Central Water Conference
February 16..... President's Day – Office Closed
February 18.....Board Meeting, 1:30 p.m.*

*Times are tentative. All meetings are at TBNRD office in Holdrege unless otherwise noted.

TRI-BASIN NRD BOARD OF DIRECTORS

Todd Garrelts, Chairman Holdrege
Joe Bilka, Vice Chairman Holdrege
Robin Hinrichs, Secretary Axtell
Jeff Ryan, Treasurer Heartwell
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Joel Grams..... Minden
David Grimes..... Minden
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David Raffety Kearney
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TRI-BASIN NRD STAFF

Dana Christensen Water Resources Technician
Tammy Fahrenbruch..... Water Programs Coordinator
Sasha Hahn..... Information & Education Coordinator
Nolan Little Assistant Manager
Patrick Nott..... Water Resources Technician
Carrie Putnam Integrated Water Programs Specialist
Tami Reese.....Holdrege Office Secretary
Dalton RefiorLand Resources Technician
Carolyn Schaaf..... Elwood Office Secretary
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Nicole Simeon Administrative Secretary
Esther Smith.....Office Assistant
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Jeff VanEperen..... Water Resources Technician

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