Upper Elkhorn Natural Resources District

Annual Report for the Lower Platte River Basin Coalition Basinwide Water Management Plan

Reporting Dates: 01/01/2025 – 12/31/2025

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INTRODUCTION

This report was prepared to review activities within the Upper Elkhorn Natural Resources District (UENRD or District) in accordance with the Lower Platte River Basin Coalition Basinwide Water Management Plan. This is the 9th report compiled by UENRD and covers the dates January 1, 2025 to December 31, 2025. This report covers only activities within the Lower Platte River Basin (thick black line) of UENRD (in pink), see map below; thus eliminating part of Northern Antelope County and other sections outside the Lower Platte River Basin (LPRB).

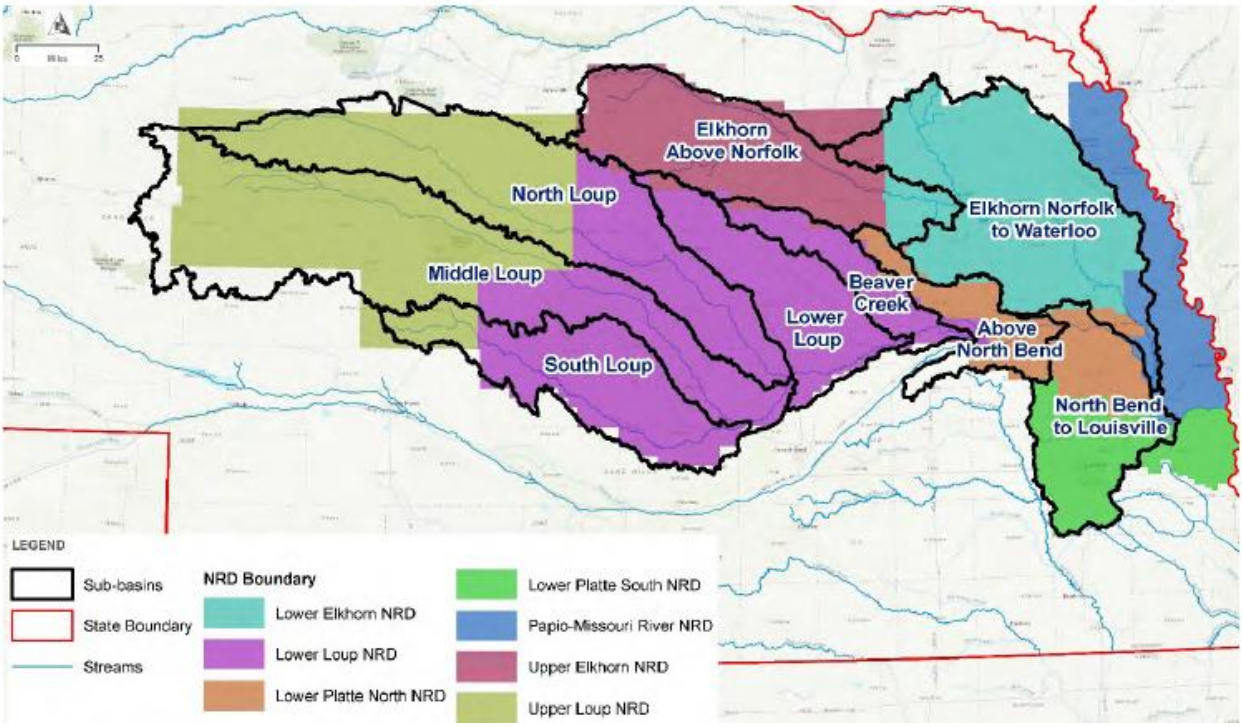


Figure 1: Boundary of the Lower Platte River Basin. From the Lower Platte River Basin Coalition Basinwide Water Management Plan, 2017.

CERTIFIED IRRIGATED ACRES

The UENRD is in the process of Groundwater Irrigated Acre Certification. Acre certification initially was based off of 2010 County Assessor data. Landowners who paid irrigated tax during 2010 received a certification letter for each parcel listed as irrigated. Once the landowner received their letter, they needed to compile documentation showing the amount of irrigated acres for that legal. Documentation could either be in the form of a FSA form 578 or county assessor tax records. Since UENRD started the process the landowner has been updated with new County Assessor data.

Due to the 3 different designated areas within the Upper Elkhorn NRD, landowners were instructed in their certification letter as to which years their documentation should include. Landowners with

groundwater irrigated acres that have been irrigated at least once within the Lower Niobrara River Basin fully appropriated designation during the calendar years of 2003 through October 16, 2007; the Lower Platte River Basin designation between the calendar years of 2004 and December 16, 2008; and the previously undesignated area of Holt and Northern Antelope Counties between the years of 2008 through October 1, 2012 will be certified at 100% with proper documentation.

Historically groundwater irrigated acres currently enrolled in the Conservation Reserve Program, Conservation Reserve Enhancement Program, Environmental Quality Incentive Program or other federal, state, or local conservation program or irrigated prior to the basin designations must also be certified in order to irrigate in the future. Acres that were historically irrigated in the Lower Niobrara River Basin prior to 2003, Lower Platte River Basin prior to 2004, and previously undesignated areas of Holt and Northern Antelope Counties prior to 2008 and have proper documentation may receive 95% certification for the total amount of irrigated acres (see "WATER BANKING ACTIVITIES" on Page 6), should the landowner decide to reactivate a field for irrigation purposes. Any irrigated acres that are not certified prior to the certification deadline will not be allowed to have groundwater applied to them for any purpose.

- **Current Certified Groundwater Irrigated Acres**: 508,609 acres (as of 02-12-2026)
- **Total Certified Groundwater Irrigated Acres**: Unknown until the certification is complete but estimated at roughly 500,000 acres.

MUNICIPAL AND INDUSTRIAL/LIVESTOCK USES

1) Municipal Use

UENRD contacted municipalities within the LPRB of the District for annual pumping data. Municipal baseline data and pumping rates had not previously been recorded by the District, as such, not all municipality data is available in this report. **Appendix A** has 01/01/2025 – 12/31/2025 gallons pumped, per capita use, population served, baseline pumping rates, and number of wells per municipality (Atkinson, Bassett, Chambers, Clearwater, Elgin, Ewing, Neligh, Newport, Oakdale, O'Neill, Page, and Stuart. Information is also included for Summerland Public School since it is a public water supply.)

2) Industrial/Livestock Use

UENRD does not track water usage of industries or livestock operators within the District. **Appendix B** shows all registered wells which have the capacity to pump ≥ 50 gallons per minute (GPM) for commercial/industrial (C) and livestock (S) uses.

NEW CONSUMPTIVE USES

Expansion of Groundwater Irrigated Acres

UENRD opened up groundwater irrigated acre expansion for the 2026 growing season, held in the fall of 2025. For the 2026 expansion, 4 applications were approved for 58.1 acres within the LPRB, an estimated increased groundwater depletion of 5.16 acre-feet. See **Appendix C**.

The depletion estimate in acre-feet (AF) was estimated using the following formula:

$$Depletion\ Estimate = Number\ of\ Acres * NIR * SDF * \%\ Depletion$$

Where:

NIR = net irrigation requirement in feet, based on the Department of Natural Resources' INSIGHT data for corn irrigation requirements[1]

SDF = stream depletion factor percent, based on the Department of Natural Resources' CENEB stream depletion values for the Loup River and upper portions of the Elkhorn River Basins

% Depletion = 0.30 (30 %) for all groundwater irrigated farmland

RETIREMENT OF CONSUMPTIVE USES

UENRD did not retire any consumptive groundwater uses between 01/01/2025 and 12/31/2025.

TRANSFERS

UENRD approved 5 transfers in the Lower Platte River Basin between 01/01/2025 and 12/31/2025, totaling 173.72 acres, all irrigated farmland. The depletion estimate in acre-feet (AF) was estimated using the Depletion Estimate Formula above (see "NEW CONSUMPTIVE USES"). The change in depletion was calculated by subtracting the depletion estimate of the "FROM" location from the "TO" location. Overall, UENRD decreased the depletion of groundwater by 2.60 acre-feet.

	Number of Acres	Transfer FROM	FROM Depletion Estimate (AF)	Transfer TO	TO Depletion Estimate (AF)	Change in Depletion
	15.37	NW 18-26-18	1.67	SW 18-26-18	1.67	0.00
	5.35	NE 33-26-9	1.06	NE 1/2 NE 11-25-9	0.78	-0.28
	31	NE 33-25-6	7.18	SE 27-25-6	6.37	-0.82
	80	NW 34-25-6	17.56	SE 27-25-6	16.43	-1.13
	42	S 1/2 NE 29-26-5	2.09	S 1/2 SE 17-26-5	1.71	-0.38
TOTAL	**173.72**					**-2.60**
The transfers highlighted in yellow involved acres either coming into or moving out of the LPRB.						

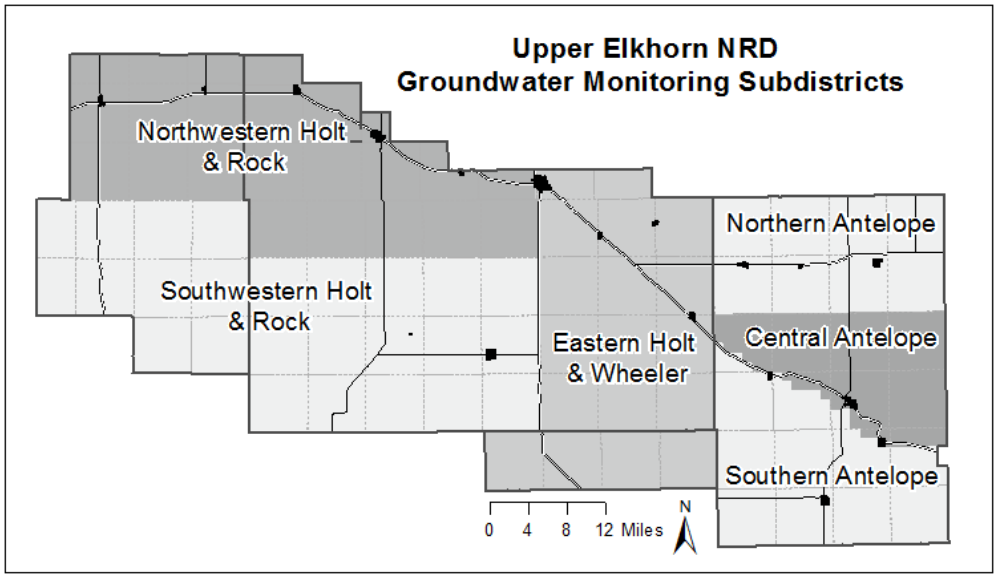
[1] As of July 1, 2025 the Nebraska Department of Natural Resources (NeDNR or DNR) was part of a merger to become the Nebraska Department of Water, Energy, & Environment (DWEE). Based on LPRBC start date, both names are referenced in throughout the report in reference to the department.

WELL CONSTRUCTION PERMITS

UENRD issued 9 well construction permits for groundwater wells within the LPRB between 01/01/2025 and 12/31/2025. See **Appendix D**. UENRD requires a permit for all new, helper, replacement, commercial/industrial, municipal, or livestock wells that pump ≥ 50 GPM. Permits are issued in accordance with the UENRD Groundwater Management Plan Rules and Regulations.

FLOWMETER DATA

Since October 2010, flowmeters have been required on all new wells (new, helper, expansion, transfer, or replacement) permitted in the UENRD which pump ≥ 50 GPM. Designated flowmeters are checked annually by UENRD staff. Flowmeter data is analyzed within UENRD Subdistricts, see map below. See **Appendix E** for subdistrict flowmeter averages.



WATER BANKING ACTIVITIES

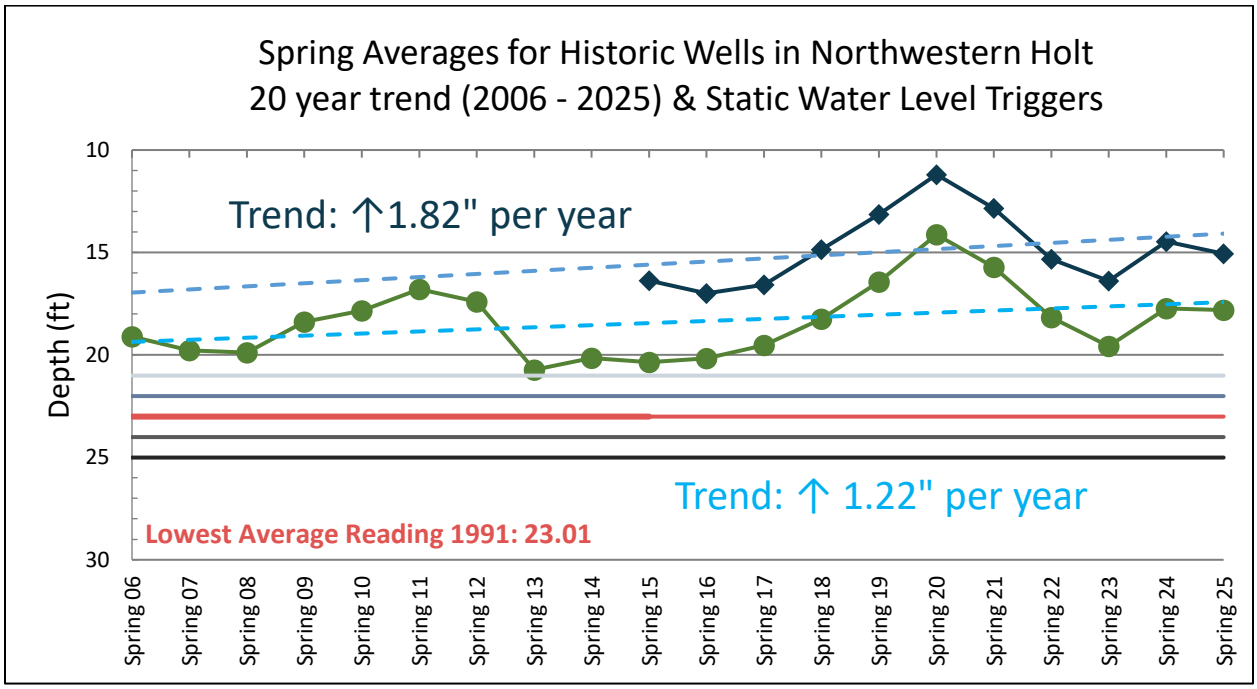
UENRD performed no formal water banking activities between 01/01/2025 and 12/31/2025. However, in conjunction with our Acre Certification, UENRD is certifying historically groundwater irrigated acres at 95% should the landowner decide to reactivate a field for irrigation purposes, and "banking" the 5% (see "CERTIFIED IRRIGATED ACRES" on Pages 3-4). UENRD is still in the processes of completing acre certification. Currently, UENRD has 508,609 certified groundwater irrigated acres, of which 42,358 are historic groundwater irrigated acres. Of those 42,358, 95% are certified as historical groundwater irrigated acres (40,121 acres), and 5% are banked acres (2,237 acres; see below). UENRD has not determined the future management implications or uses of the 5% of historical groundwater irrigated acres which have been banked, but they may be used to offset new groundwater uses in the future.

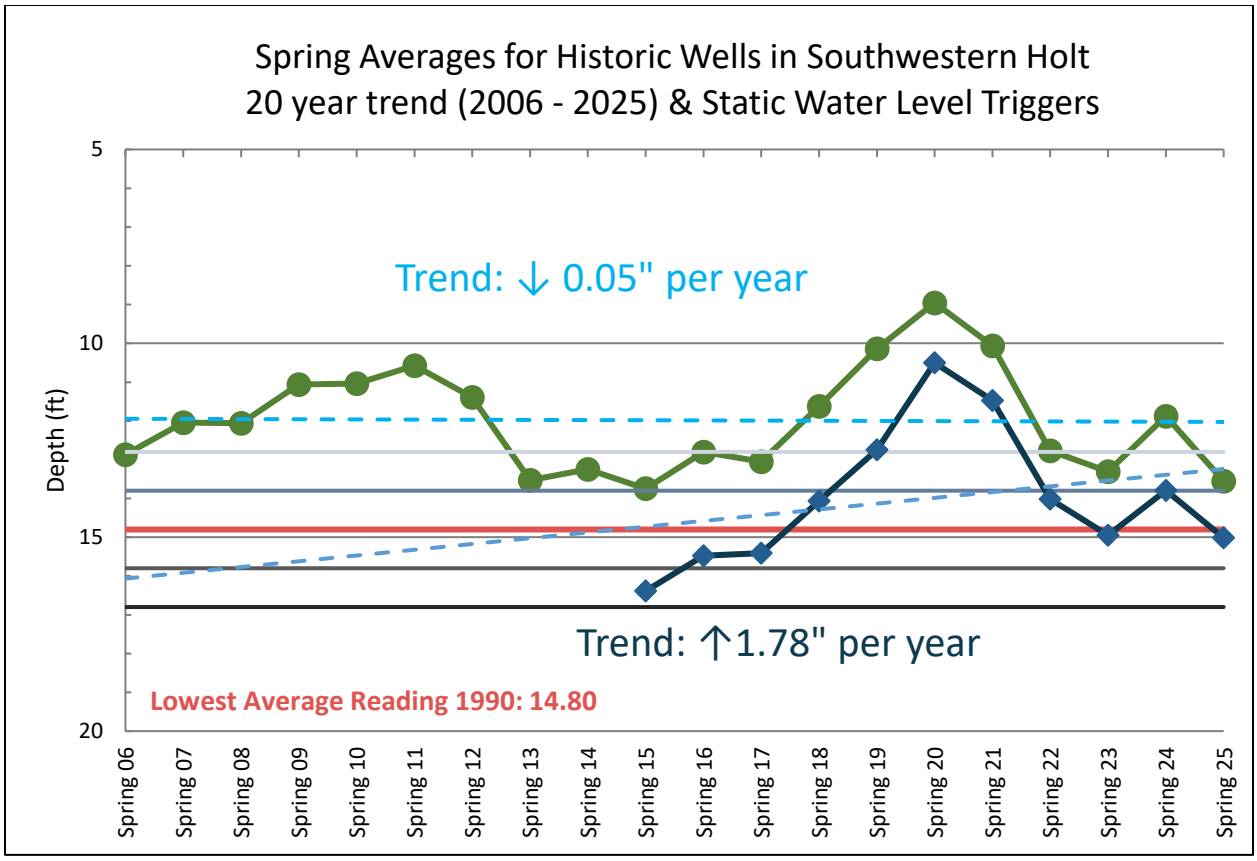
- 42,358 historic acres x 95% = 40,121certified historical acres
- 42,358 historic acres x 5% = 2,237 banked acres (as of 02-12-2026)

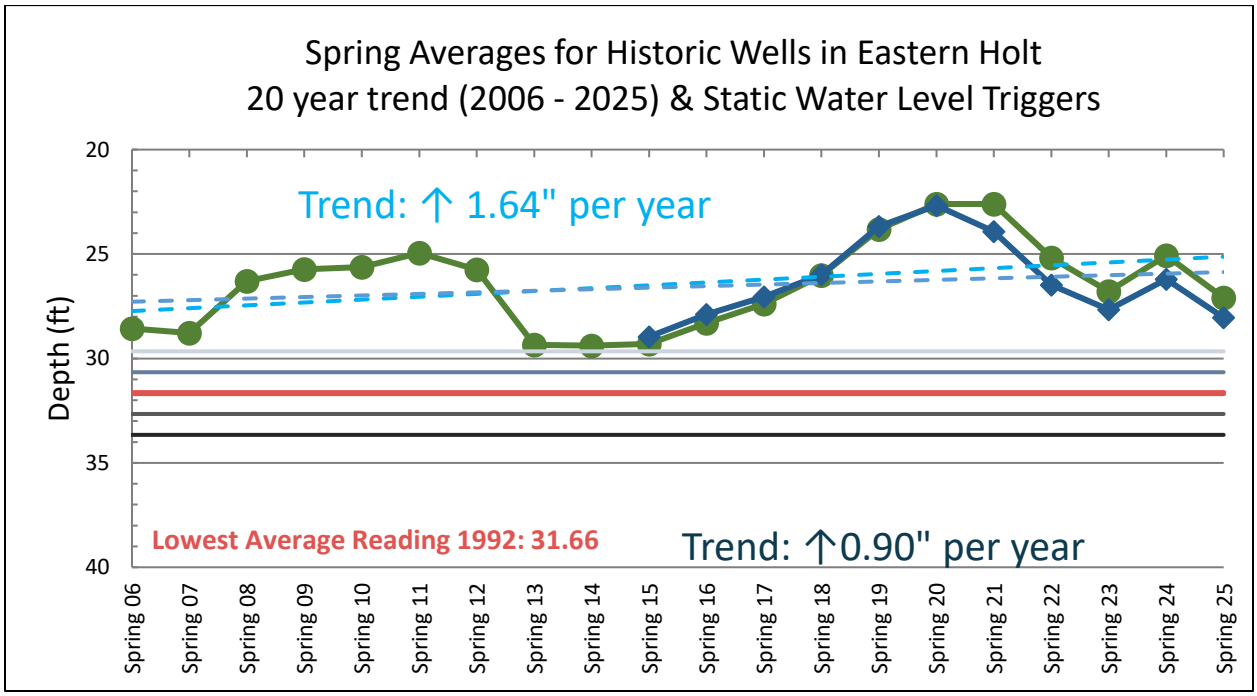
GROUNDWATER ELEVATION DATA

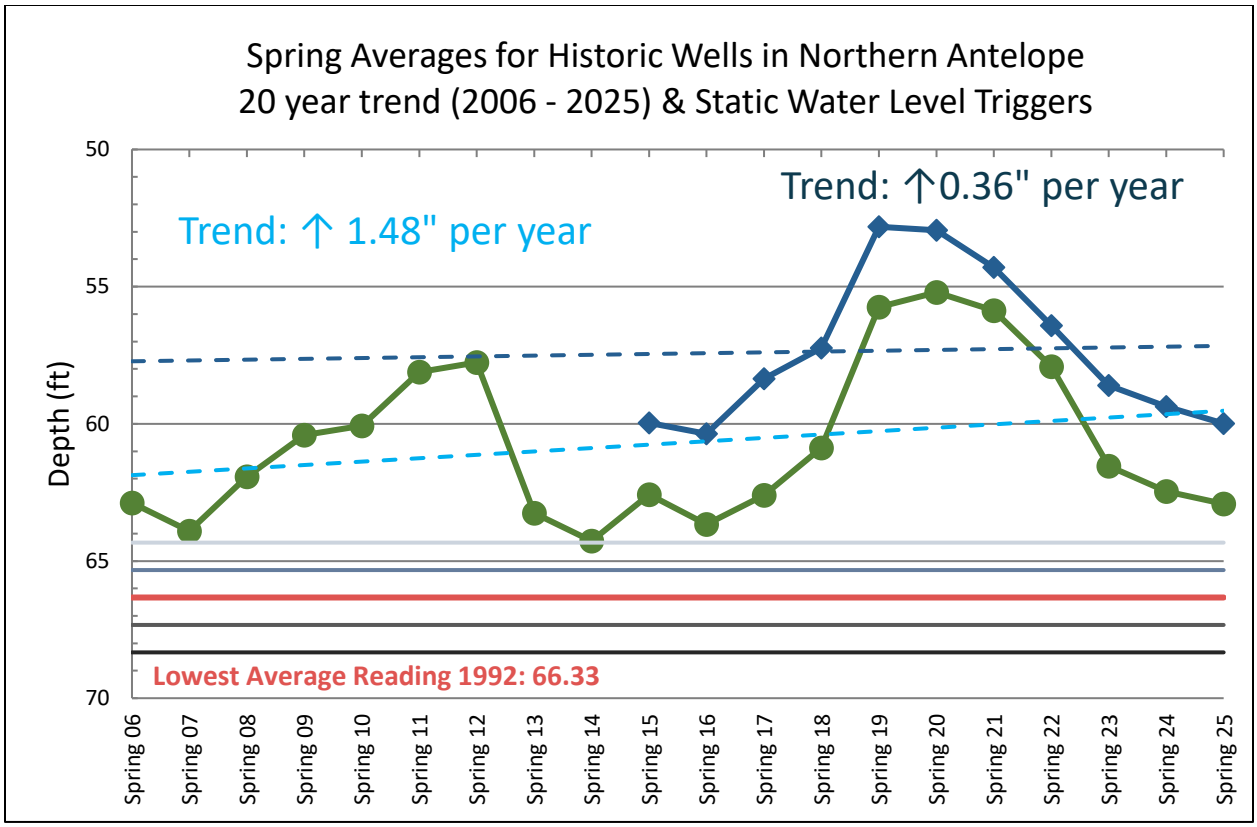
The UENRD has maintained a static groundwater level monitoring program since 1975. This program has expanded to include 362 wells: 103 long-term historical irrigation wells, 59 District monitoring wells, and 200 new irrigation wells added in 2015. Depth to groundwater readings are collected every spring and fall and the data is used by the District to recognize changes in groundwater levels over time and better interpret the status of the aquifer. Static water levels and trends are analyzed by UENRD subdistricts. See map on Page 6 for UENRD subdistricts.

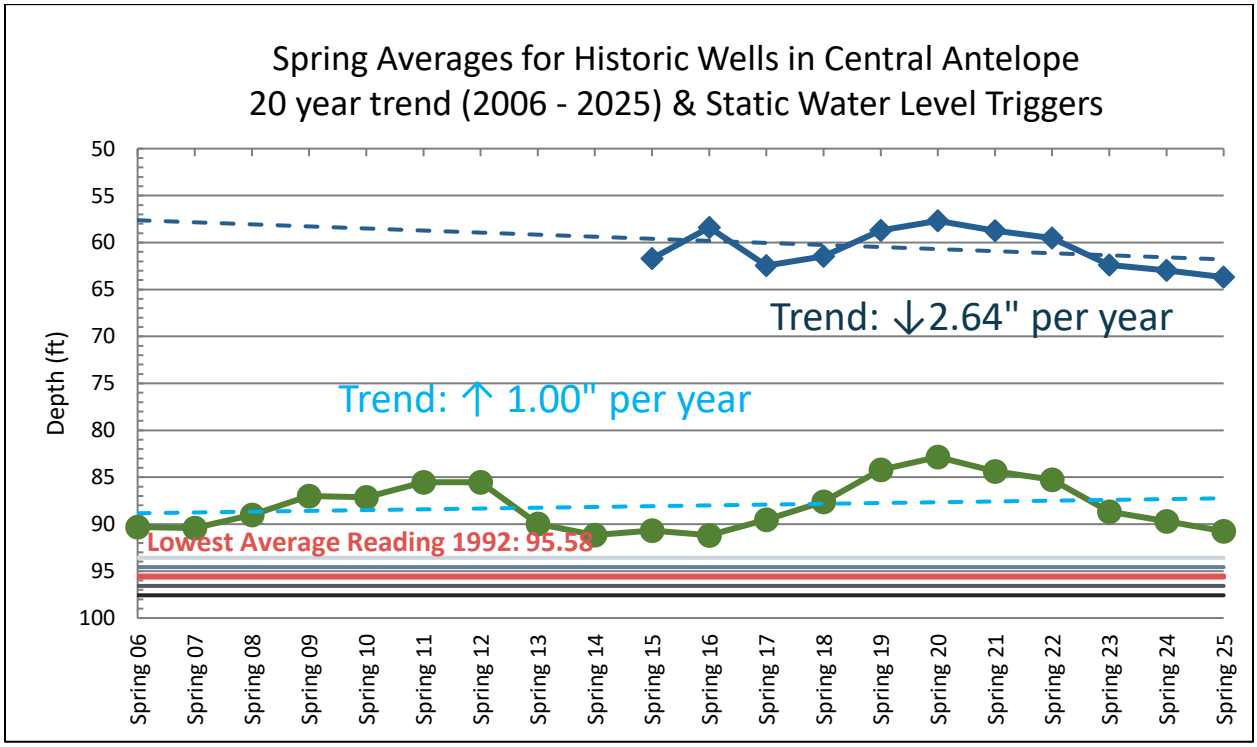
Only spring readings from historic irrigation wells are used to manage groundwater levels in UENRD. In general, the 20-year static groundwater level trendlines show that for 5 of 6 subdistricts levels are still considered **increasing** (Northwestern Holt & Rock, Eastern Holt & Wheeler, Northern Antelope, Central Antelope, and Southern Antelope) and the 20-year trend for 1 subdistrict is **decreasing** (Southwestern Holt & Rock) in depth to groundwater. Data from the past 20 years (green), as well as 20-year trendlines and the data and trendlines for wells including those added in 2015 (dark blue) are provided by subdistrict in the following graphs:

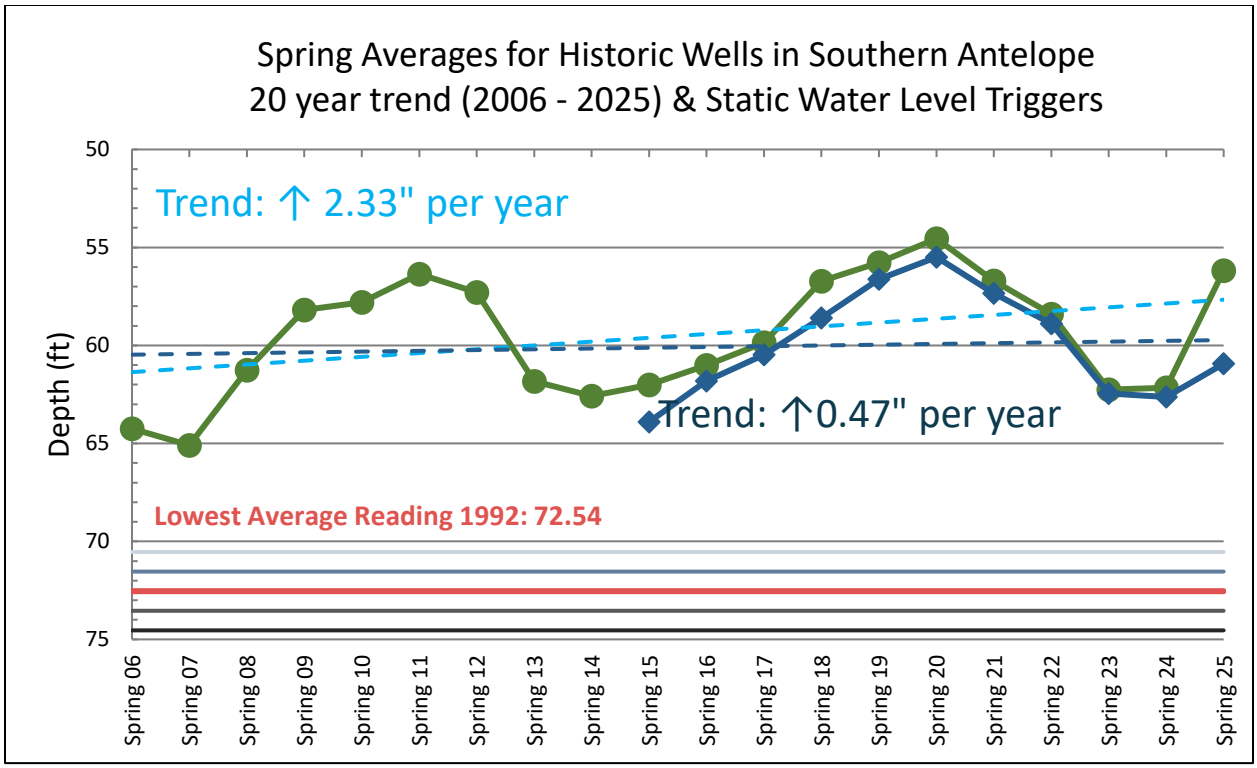



Spring Averages for Historic Wells in Southwestern Holt
20 year trend (2006 - 2025) & Static Water Level Triggers
Depth (ft)
5
10
15
20
Trend: ↓ 0.05" per year
Trend: ↑1.78" per year
Lowest Average Reading 1990: 14.80
Spring 06
Spring 07
Spring 08
Spring 09
Spring 10
Spring 11
Spring 12
Spring 13
Spring 14
Spring 15
Spring 16
Spring 17
Spring 18
Spring 19
Spring 20
Spring 21
Spring 22
Spring 23
Spring 24
Spring 25


Spring Averages for Historic Wells in Eastern Holt
20 year trend (2006 - 2025) & Static Water Level Triggers
Depth (ft)
20
25
30
35
40
Trend: ↑ 1.64" per year
Lowest Average Reading 1992: 31.66
Trend: ↑0.90" per year
Spring 06
Spring 07
Spring 08
Spring 09
Spring 10
Spring 11
Spring 12
Spring 13
Spring 14
Spring 15
Spring 16
Spring 17
Spring 18
Spring 19
Spring 20
Spring 21
Spring 22
Spring 23
Spring 24
Spring 25


Spring Averages for Historic Wells in Northern Antelope
20 year trend (2006 - 2025) & Static Water Level Triggers
Depth (ft)
50
55
60
65
70
Trend: ↑0.36" per year
Trend: ↑ 1.48" per year
Lowest Average Reading 1992: 66.33
Spring 06
Spring 07
Spring 08
Spring 09
Spring 10
Spring 11
Spring 12
Spring 13
Spring 14
Spring 15
Spring 16
Spring 17
Spring 18
Spring 19
Spring 20
Spring 21
Spring 22
Spring 23
Spring 24
Spring 25


Spring Averages for Historic Wells in Central Antelope
20 year trend (2006 - 2025) & Static Water Level Triggers
Depth (ft)
50
55
60
65
70
75
80
85
90
95
100
Trend: ↓2.64" per year
Trend: ↑ 1.00" per year
Lowest Average Reading 1992: 95.58
Spring 06
Spring 07
Spring 08
Spring 09
Spring 10
Spring 11
Spring 12
Spring 13
Spring 14
Spring 15
Spring 16
Spring 17
Spring 18
Spring 19
Spring 20
Spring 21
Spring 22
Spring 23
Spring 24
Spring 25



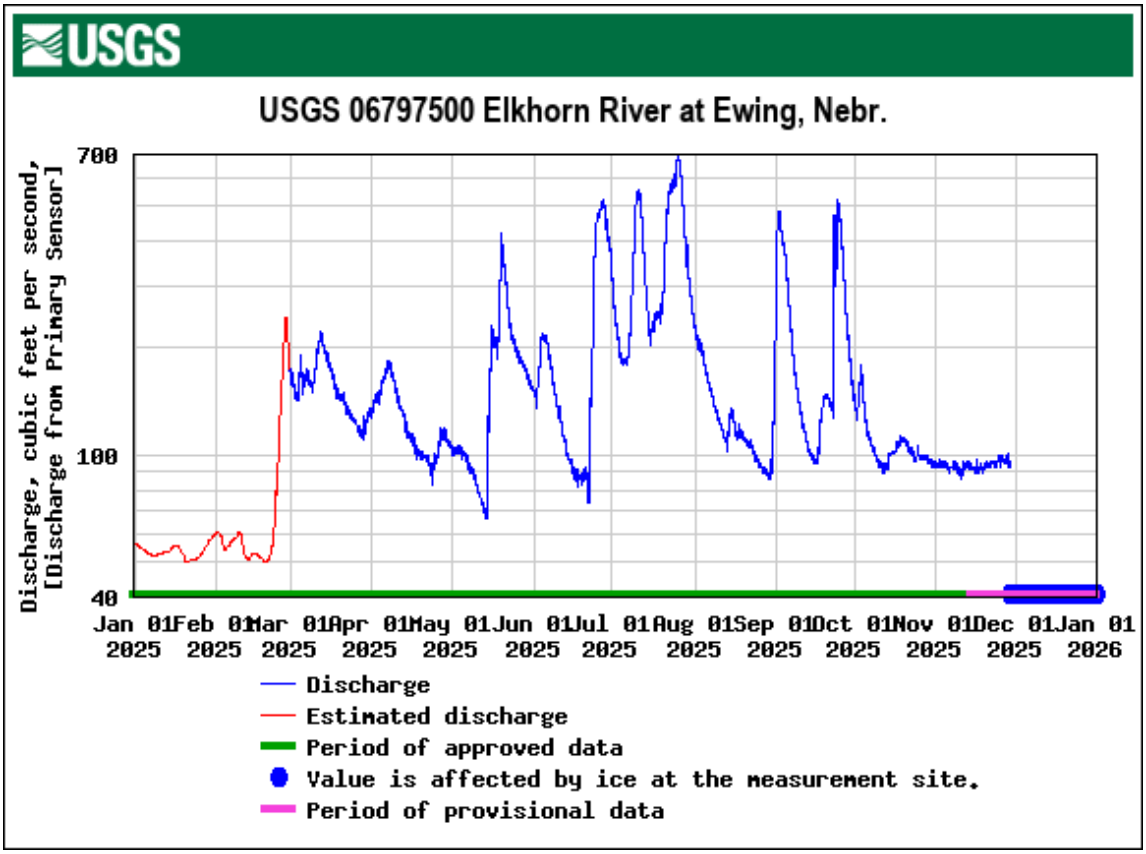
STREAM FLOW ACCRETION ACTIVITIES

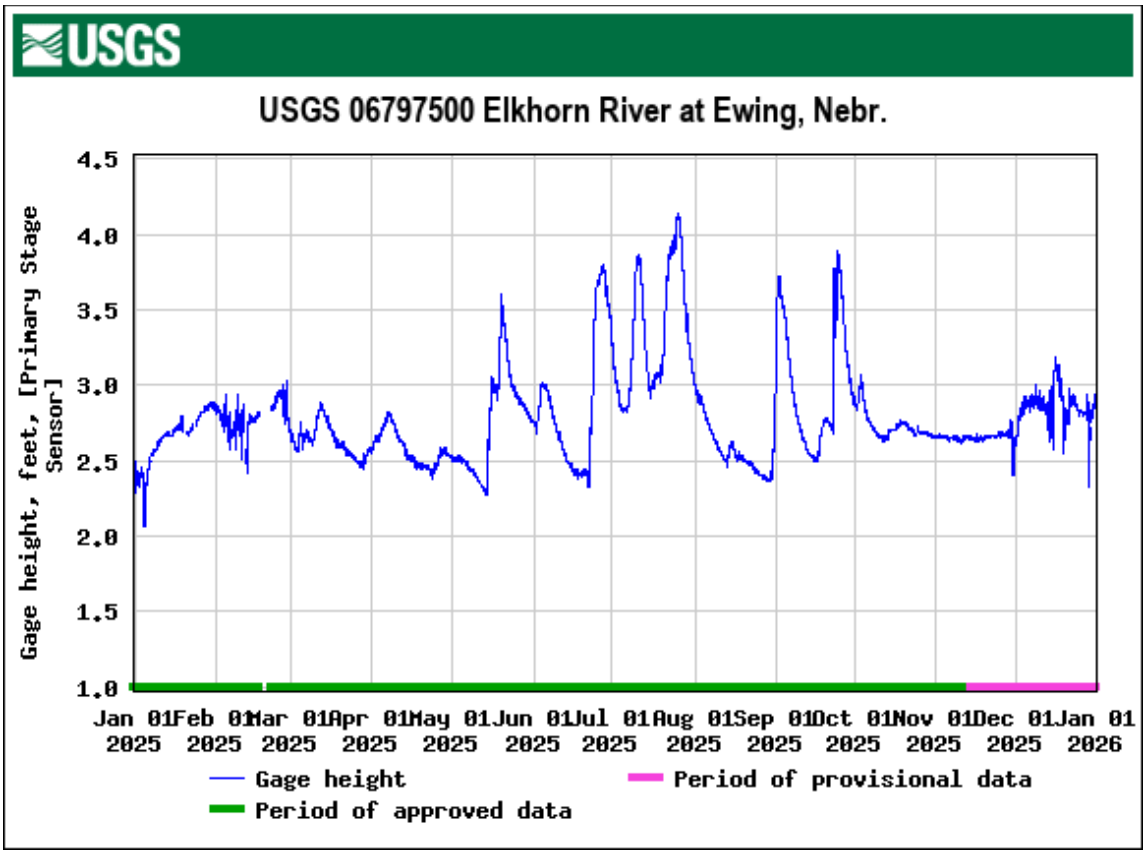
UENRD performed no stream flow accretion activities between 01/01/2025 and 12/31/2025.

STREAM GAGE MEASUREMENTS

UENRD provides funding for the USGS Gaging Station at Ewing, NE on the Elkhorn River. Below are 2 graphs showing the discharge in cubic feet per second from 01/01/2025 to 12/31/2025, as well as the gage height in feet.

Data from: https://nwis.waterdata.usgs.gov/ne/nwis/current/?type=flow.


USGS
USGS 06797500 Elkhorn River at Ewing, Nebr.
Discharge, cubic feet per second, [Discharge from Primary Sensor]
700
100
40
Jan 01 2025
Feb 01 2025
Mar 01 2025
Apr 01 2025
May 01 2025
Jun 01 2025
Jul 01 2025
Aug 01 2025
Sep 01 2025
Oct 01 2025
Nov 01 2025
Dec 01 2025
Jan 01 2026
Discharge
Estimated discharge
Period of approved data
Value is affected by ice at the measurement site.
Period of provisional data


USGS
USGS 06797500 Elkhorn River at Ewing, Nebr.
Gage height, feet, [Primary Stage Sensor]
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
Jan 01 2025
Feb 01 2025
Mar 01 2025
Apr 01 2025
May 01 2025
Jun 01 2025
Jul 01 2025
Aug 01 2025
Sep 01 2025
Oct 01 2025
Nov 01 2025
Dec 01 2025
Jan 01 2026
Gage height
Period of provisional data
Period of approved data

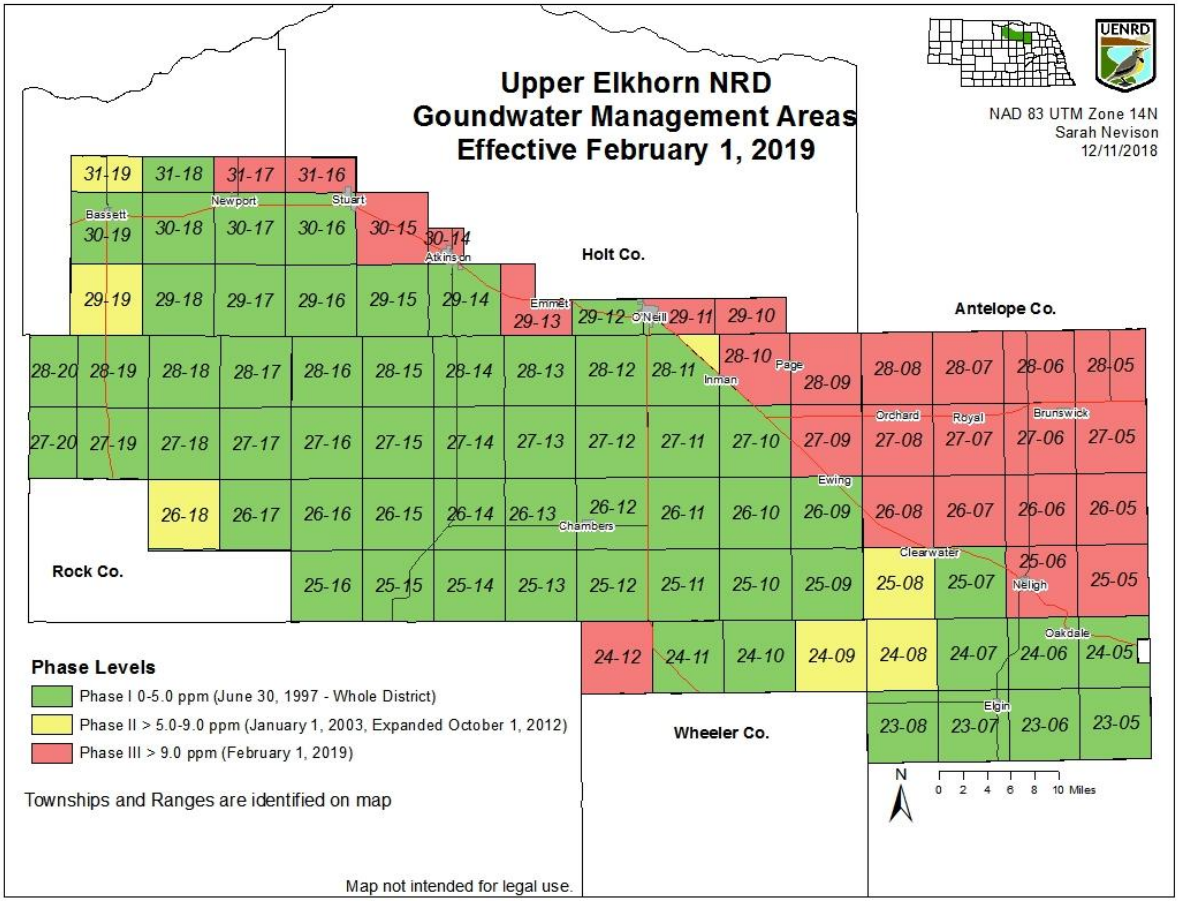
NRD REGULATIONS/MANAGEMENT ACTIVITIES

UENRD has designated Groundwater Quality Management Areas, known as Phase I, Phase II, and Phase III, to address groundwater nitrate contamination throughout the District. Phase I, Phase II, and Phase III designations can be viewed on the map on page 13. Phase levels are designated by township nitrate averages from samples collected by UENRD. Phase I includes areas where the average groundwater concentration of nitrate-nitrogen is 0.0 – 5.0 ppm. Phase II includes areas where the average groundwater concentration of nitrate-nitrogen is > 5.0 – 9.0 ppm. Phase III includes areas where the average groundwater concentration of nitrate-nitrogen is > 9.0 ppm.

- Phase I was initiated 06/30/1997 and encompasses the entire District. Phase I requires anyone who makes nitrogen application decisions (of more than 50 lbs of nitrogen per acre and on more than 1 acre) to be Nitrogen Certified through UENRD or a neighboring NRD every 4 years. Additionally, all irrigation water wells must be sampled every 4 years and the nitrate-nitrogen results submitted to UENRD.

- Phase II was first designated on 01/01/2003 and encompassed the "Page Triangle" near Page, NE in Holt County and Crawford Township in Antelope County. Additional Phase II Areas were designated on 10/01/2012 (see map). Phase II requirements include all Phase I requirements and in addition require annual deep soil samples, Phase II Reporting Form submission, and Best Management Practices (BMPs) are strongly encouraged.

- Phase III was designated 02/01/2019. The Board of Directors approved the rules and regulations at the December 17, 2018 board meeting. Twenty-five whole or partial townships were designated as Phase III (see map). Phase I and II rules and regulations will remain in effect unless modified or negated by Phase III requirements. Phase III requirements include annual irrigation water samples and district conducted soil sampling to identify fields (larger than 40 acres with more than 50 lbs/ac of actual nitrogen applied) with high residual soil nitrate-nitrogen.



NEW DEPLETIONS ACCOUNTING REPORT

First Increment (2016-2021)

The Lower Platte River Basin Coalition Basinwide Water Management Plan designated the first 5-year increment allowable development by Basin and by NRD. UENRD was allowed to develop (deplete) 1,504 acre-feet for the first 5-year period, 50% for surface water and 50% for groundwater. At the end of the first increment, UENRD had approximately 1,134 acre-feet in allowable depletions left to split between ground and surface water at the conclusion of the first 5-year increment.

Second Increment (2022-2026)

In 2022, the Lower Platte River Basin Coalition Basinwide Water Management Plan designated the second 5-year increment allowable development by Basin and by NRD. UENRD was allowed to develop (deplete) a total of 2,965 acre-feet, 50% for surface water and 50% for groundwater. Of the total acre-feet depletion allowed, 1,134 acre-feet are carryover from the first increment and 1,831 acre-feet are new from the second increment.

Depletion Data

Below is UENRD's accounting report of depletions from groundwater irrigated acre expansion (2017 – 2026 growing seasons) and transfers (2016 – 2024). Surface water depletion numbers are supplied by the Nebraska Department of Natural Resources (NeDNR).

	1st Increment	UENRD	NeDNR
1,504.00	**Starting Allowable Depletion**	752.00	752.00
2016 - 2017	2017 Acre Expansion	57.23*	
	2018 Acre Expansion	50.20	
	2016 & 2017 Transfers	0.14*	
			0.00
	Total	107.57	0.00
1,396.43	**Starting Allowable Depletion**	698.22	698.22
2018	2019 Acre Expansion	45.66*	
	2018 Transfers	-0.12*	
			0.00
	Total	45.54	0.00
1,350.89	**Starting Allowable Depletion**	675.45	675.45
2019	2020 Acre Expansion	26.32	
	2019 Transfers	-12.68	
			0.00
	Total	13.64	0.00
1,337.25	**Starting Allowable Depletion**	668.63	668.53
2020	2021 Acre Expansion	50.41	
	2020 Transfers	2.87	
	2020 Surface Water Permit		85.00
	Total	53.28	85.00
1,198.97	**Starting Allowable Depletion**	599.49	599.49
2021	2022 Acre Expansion	65.52	
	2021 Transfers	-0.41**	
	2021 Surface Water Permit		0.39
	Total	65.11	0.39
1,133.47	**End of 1st Increment**	566.74	566.74

***revised February 2021; corrections made for cancelled expansion and transfers not in LPRB.
****revised February 2023; correction made for incorrect calculation.

	2nd Increment	UENRD	NeDNR/ DWEE
2,965.00	**Starting Allowable Depletion**	1,482.50	1,482.50
2022	2023 Acre Expansion	37.62	
	2022 Transfers	0.13	
			0.00
	Total	37.75	0.00
2,927.25	**Starting Allowable Depletion**	1,463.63	1,463.63
2023	2023 Acre Expansion	0.30	
	2023 Transfers	0.00	
			0.00
	Total	0.30	0.00
2,926.95	**Starting Allowable Depletion**	1,463.48	1,463.48
2024	2024 Acre Expansion	3.09*	
	2024 Transfers	-0.22	
			0.00
	Total	2.87	0.00
2,924.08	**Starting Allowable Depletion**	1,462.04	1,462.04
2025	2025 Acre Expansion	5.16	
	2025 Transfers	-2.60	
			0.00
	Total	2.56	0.00
2,921.52	**Starting Allowable Depletion**	1,460.96	1,460.96

***revised February 2026; corrections made for incorrect calculation.

Depletion Revisions

A couple revisions were made to the 1st increment depletions for the 2017 Acre Expansion, 2016 & 2017 Transfers, 2018 Transfers, and 2019 Acre Expansion. The 2017 Acre Expansion had included an expansion that was canceled. Excluding this expansion changed the depletion from 60.63 AF to 57.23 AF. The 2016 & 2017 Transfers included both portions of a transfer that went from outside the LPRB to inside. After adjusting, the change in depletion went from 0.95 AF to 0.14 AF. A change in the 2018 Transfers was corrected previously but the change was never reflected in the summary. The acre feet depletion changed from 3.17 AF to 0.12 AF. An 2019 Expansion number included a cancelled expansion. The exclusion of this expansion changed the depletion from 51.99 AF to 45.66 AF The layout of the table was also adjusted to reflect how the allowable depletions are shared by UENRD and NeDNR. An

additional revision was required to the 2021 Transfers after a typo was discovered in the calculations. The change in depletion in the 2022 Transfers went from -1.17 AF to -0.41 AF and the total depletion for 2021 went from 64.35 AF to 65.11 AF.

A revision was required for the 2nd increment for the 2025 Acre Expansion depletion amount. The stream depletion factor numbers were found to be incorrect in the initial depletion report of 2.69 AF. The corrected amount is 3.09 AF.

NEW DATA COLLECTED OR MODEL/STUDY RESULTS

No new models or studies were conducted within UENRD which directly benefitted the Lower Platte River Basin Coalition. However, in July of 2016 aerial electromagnetic (AEM) surveys were flown and data was collected in the Bazile Groundwater Management Area, which covers Northern Antelope County in UENRD, and parts of Pierce and Knox Counties in Lower Elkhorn, Lewis and Clark, and Lower Niobrara NRDs. These surveys provided insight into the hydrogeology of the area, including 3D profiles, water storage capabilities, and recharge areas in the Bazile Groundwater Management Area. More information can be found at https://www.enwra.org/coop.html.

In June 2017, the UENRD Board of Directors voted to discontinue funding the Nebraska Mesonet weather stations in Newport, Brunswick, and Chambers, NE. These weather stations were maintained through the Nebraska State Climate Office at the University of Nebraska and provided data to local, state, regional, and national organizations. In summer 2021 the station at Elgin was discontinued leaving only the station in O'Neill active. The Station in O'Neill is still funded through Mesonet/UNL. UENRD no longer has ET data from the Newport, Brunswick, Chambers, and Elgin stations. In 2025 a new weather station was approved by the board and installed south of Atkinson. Monitoring wells are also being drilled at this location allowing for above and below ground information to be collected at one location.

APPENDIX A – Municipal Water Use

Municipality	1/1/25 - 12/31/25 Gallons Pumped	Per Capita Use (gals/person/day)	Population Served	2020 Census Data	2006 - 2015 Average Annual Gallons Pumped	Baseline Pumping Rate	Number of Wells
Atkinson	115,111,000	240.58	1,310	1,298	98,922,370	218	3
Bassett	63,859,000	249.77	700	538	54,020,000	239	3
Chambers	11,281,409	164.29	188	268	NA[1]	NA[1]	3
Clearwater	19,966,000	170.82	320	320	NA[1]	NA[1]	2
Elgin	53,157,000	202.98	717	712	NA[2]	NA[2]	2
Ewing[4]	29,163,100	214.06	373	377	41,170,250	291	3
Neligh	77,473,000	132.57	1,600	1,516	NA[1]	NA[1]	4
Newport[4]				69	NA[1]	NA[1]	2
Oakdale[4]				322	NA[1]	NA[1]	2
O'Neill	228,851,000	169.16	3,704	3,547	233,851,800	173	4
Page	4,628,600	76.34	166	167	NA[1]	NA[1]	2
Stuart	56,188,700	316.54	486	482	67,884,530	315	3
Summerland Public School[3]	3,952,625[3]	21.64[3]	500	NA[3]	NA[3]	NA[3]	1

Per Capita Use was estimated using 01/01/2025 – 12/31/2025 gallons pumped, divided by the population served in that period, divided by 365.25 days (1 year). Baseline Pumping Rates was estimated using 2006 – 2015 (10 year) average annual gallons pumped, divided by the 2020 Census Data, divided by 365.25 days. All data provided by municipalities.

[1] Several municipalities are still working on getting previous years pumping data to UENRD: Chambers, Clearwater, Neligh, Newport, Oakdale, and Page.

[2] Elgin's data only went back to 2009, so an average annual baseline pumping rate (2006 – 2015) was unable to be calculated.

[3] Summerland Public School's well was new in August 2021 so there is no data before this time. Also not part of census.

[4] 2024 pumping data not reported to UENRD when report submitted/Complete data for 2025 wasn't available.

APPENDIX B – Industrial/Livestock Water Use

		Legal				
Well Registration #	**Name**	**S**	**T**	**R**	**Use**	**GPM**
G-092895	A C P A Nebraska General Partnership	2	25	5	S	100
G-136694	Agriliance LLC	2	24	6	C	100
G-086547	Antelope County Partners	2	25	5	S	72
G-086548		2	25	5	S	72
G-186075	Atkinson Fertilizer Inc	30	30	14	C	95
G-033138	Calvin Barthel	20	25	15	S	900
G-073323	Bassett Golf Course	18	30	19	C	450
G-091894	Leroy Behnk	15	25	8	S	300
G-094434	Central Farmers Coop	12	23	5	C	90
G-073246	Central Valley Ag	3	29	11	C	100
G-171899		7	27	7	C	300
G-148010	Elkhorn River Holdings LLC	1	28	11	C	600
G-043333	Bruce Forbes	6	26	5	S	900
G-146271	Green Plains Atkinson LLC	25	29	12	C	600
G-143983		4	29	14	C	530
G-053742		4	29	14	C	800
G-092054	Glenn Harpster	27	26	9	S	300
G-198365	Herdco Company	33	24	12	S	300
G-174310	Highway 20 Washout	24	30	15	C	100
G-092351	Ruth Durre Hinrichsen	5	24	11	S	300
G-137716	Lawrence & Sharon Hinrichsen Sand & Gravel	1	26	9	C	200
G-034587	Marty Hollenbeck	12	27	20	S	1,000
G-097433	Randy & Juel Hughes	22	27	7	S	60
G-064726	Jim D Jarman	2	26	12	C	400
G-091102	William C & Mary E Kaczor	36	26	9	S	300
G-182536	Matt & Stacy Klabenes	20	26	7	S	300
G-094916	Glen Larson	22	24	5	S	90
G-089661	Maschhoffs LLC	15	26	10	S	100
G-123842		15	26	10	S	90
G-080121	Nebraska Board of Education Lands & Funds	36	26	12	S	300
G-046339	Nebraska Game & Parks Commission	26	25	11	C	1,250
G-097213	Niewohner Brothers Inc	8	23	7	S	300
G-108137	O & W Dairy Farms Inc	29	27	7	S	200
G-071104	Olson Industries Inc	4	29	14	C	80
G-145782	Promise Land Livestock	33	29	19	S	400
G-088467	Sargent Irrigation Company Inc	30	25	6	C	800

APPENDIX B – Industrial/Livestock Water Use (cont.)

Well Registration #	Name	Legal			Use	GPM
		S	T	R		
G-112729	Rick Schindler	29	25	6	C	400
G-096381	Betty L Schwager	18	24	7	S	300
G-116635	Randall/Deborah G Shinn & Steward	17	29	17	S	100
G-081681	Tyson G & Crystal L Shoemaker	2	27	12	S	300
G-085807	Louis E Sidak	18	28	12	S	110
G-087843	Stanley Sojka	10	25	10	S	300
G-081007	Stanley Sojka	32	25	10	S	300
G-088085	Jennell Suhr	7	24	8	S	300
G-089669	Sunshine Ranch Company	13	26	5	S	75
G-177969	Thiele Dairy	14	25	8	S	600
G-128917	Tinsley Grain	18	25	8	C	65
G-129223	West Hodson Lumber Company Inc	2	27	5	C	100

APPENDIX C – 2026 Growing Season Acre Expansion

Approved expansion groundwater irrigated acres for the 2026 growing season within the LPRB.

- 58.1 acres, 5.16 acre-feet depletion (see formula on Page 5)

Legal	Number of Acres	NIR (ft)	SDF %	% Depletion	Depletion Estimate (AF)
NW 2-28-10	24	9.84	0.23	0.3	1.35
SW 27-23-5	8	7.05	0.20	0.3	0.28
NW 2-29-15	14.5	9.39	0.82	0.3	2.80
NE 18-23-5	11.6	7.09	0.35	0.3	0.73
TOTAL	**58.1**				**5.16**

APPENDIX D – Well Construction Permits

UENRD well construction permits for groundwater wells within the LPRB between 01/01/2025 and 12/31/2025, over 50 GPM. Permits are issued in accordance with the UENRD Groundwater Management Plan Rules and Regulations.

UENRD Permit Number	Well Registration #	Name	Location	Number of Acres	GPM*	Date Permit Approved	Classification Type
UE-25-002 <R>	G-063635	Schacht Farms LLC	SE 14-26-07	132.3	800	2/11/2025	Replacement Well
UE-25-003 <R>	G-076253	Kevin Henn	NW 33-25-8	66.1	750	2/25/2025	Replacement Well
UE-25-004 <R>	G-039871	Terry L & Patricia M Smith	NW 25-25-7	133.15	900	2/28/2025	Replacement Well
UE-25-006 <R>	G-033258	William C & Mary E Kaczor	SE 22-25-9	149.59	1000	5/16/2025	Replacement Well
UE-25-007 <R>	G-041433	Jacob A & Kari M Schindler	SW 25-24-8	130	900	5/28/2025	Replacement Well
UE-25-008 <R>	G-038297	Danielski Havesting & Farming LLC	SW 30-29-10	134.48	850	7/25/2025	Replacement Well
UE-25-010 <R>	G-069601	Regina Gale	NE 26-26-7	128.34	800	8/27/2025	Replacement Well
UE-25-010	G-203935	Thomsen Farms Inc % Ilene Pohlman	NW 34-27-7	135	450	9/16/2025	New Well
UE-25-012 <R>[1]		Moser Land LLC	SWNE 26-25-08	134		12/18/2025	Replacement Well

[1] As of report completion date, wells had not been completed & well registration number not assigned.

*GPM is value reported on well registration to DNR

APPENDIX E – Flowmeter Average Inches Pumped per Year

Average inches pumped per year by subdistrict (see map on page 6) since 2012 based off flowmeter readings by UENRD staff:

	2013	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Subdistrict Avg.
NW Holt & Rock	21.75	15.62	12.90	12.89	14.36	14.64	9.19	6.81	14.07	15.22	20.08	14.39	16.84	13.40	**13.65**
SW Holt & Rock	17.54	12.26	5.59	4.78	8.00	9.66	9.55	4.17	6.38	11.07	14.00	8.23	9.50	7.35	**8.52**
Eastern Holt & Wheeler	20.82	16.11	12.84	10.96	12.39	14.37	8.22	8.01	14.10	14.80	19.45	14.09	15.09	11.93	**13.21**
Northern Antelope	17.76	10.94	5.95	9.16	10.89	11.75	5.28	8.11	11.33	12.17	16.88	13.43	13.74	9.19	**10.53**
Central Antelope	14.42	11.39	5.77	6.62	8.61	8.89	4.17	5.18	10.18	9.96	15.16	10.82	11.50	6.68	**8.80**
Southern Antelope	20.94	15.39	9.32	8.26	9.71	11.46	6.46	5.34	10.84	11.11	14.72	10.94	11.20	8.74	**10.32**
Yearly Average	**19.73**	**14.18**	**9.11**	**9.37**	**10.96**	**12.19**	**6.53**	**6.88**	**11.91**	**12.50**	**16.76**	**12.64**	**13.20**	**9.63**	**11.39**