

North Platte Natural Resources District

ANNUAL REPORT OF 2021 WATER USE ACTIVITIES IN THE
NORTH PLATTE NRD



TO MEET THE REQUIREMENTS OF THE INTEGRATED MANAGEMENT PLAN
FOR THE 2021 BASIN-WIDE MEETING

Meeting Date: July 21, 2022



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I. INTRODUCTION

This report is intended to satisfy the North Platte Natural Resources District tracking and reporting requirements as described by the Monitoring and Studies section of the North Platte Natural Resources District Integrated Management Plan (IMP). This report contains information on those activities required to be tracked for the period January 1, 2021, to December 31, 2021.

II. CERTIFICATIONS

See Variance below. New Certification of 75.6 acres resulted from VAR-2020-12.

III. APPROVED TRANSFERS

No transfers were sought or granted in calendar year 2021.

IV. VARIANCES

There was one variance granted in the calendar year 2021, VAR-2020-12 was approved March 2021. This Variance granted the Certification of 75.6 irrigated acres for Walter Spencer Family, LLC.

V. OTHER PERMITS

No other permits were approved between January 1, 2021, and December 31, 2021.

VI. WELL CONSTRUCTION PERMITS

The following table lists the well construction permits that were approved, cancelled, or denied between January 1, 2021, and December 31, 2021:

NRD Permit Number	Legal Description	Use	Status	Replacement	DNR Registration Number
RP-21001	26-24-57W	Irrigation	Approved	Yes	A-006537
SC-21002	28-22-54W	Irrigation	Approved	Yes*	Not Registered Yet
21003	28-24-56W	Aquaculture	Approved	No	Not Registered Yet
RP-21004	7-23-56W	Livestock	Approved	Yes	Not Registered Yet

*This is a Special Circumstance Replacement Well, as per NPNRD Rules.

VII. IRRIGATION WELL FLOW METER DATA

The ending flow meter readings for Water Year 2021 were collected during October and November 2021. The preliminary amount of ground water withdrawn for irrigation purposes in the overappropriated area (including the Pumpkin Creek Basin Ground Water Management Subarea) for Water Year 2021 was 217,958 acre-feet on 223,608.7 certified irrigated acres, for an average withdrawal of 11.7 acre-inches per acre. The above numbers do not include withdrawal amounts that have not yet been calculated by some other means or for users whose data could not be directly obtained from a flow meter because of, e.g., a failed flow meter.

VIII. RETIRED ACRES AND OTHER STREAMFLOW ACCRETION ACTIVITIES

While the North Platte NRD did not enter into any new leases in 2021, there were a total of 2,734.31 acres that remain in NRD lease programs. Those acres include 392.5 acres of co-mingled irrigated lands; 265.32 acres of surface water irrigated lands; and 1993.19 acres of ground water irrigated lands.

In February of 2021, the North Platte NRD received applications from District Producers interested in selling all or a portion of their yearly base allocation through our EPIC program. In crop year 2021, the District purchased 89 inches of ground water over 682.63 acres that would have been consumptively used in growing crops. By purchasing the allocation, the District was able to gain consumptive use credit that will be applied towards our Platte River obligations. In 2021, the District paid participating producers a total of \$75,694.80.

IX. OTHER WATER BANKING ACTIVITIES

No water banking activities were conducted between January 1, 2021, and December 31, 2021.

X. MUNICIPAL AND INDUSTRIAL ACCOUNTING

The following table lists the information gathered for the municipal accounting requirement:

City	Baseline (gallons)*	2021 Use (gallons)*	2021 Population**	2021 gallons per capita per day
Bayard	151,783,533	121,179,000	1064	312
Bridgeport	237,176,000	63,724,000	1469	118.8
Broadwater	45,668,104			
Gering	891,820,400			
Minatare	61,311,333	55,424,702	809	187.7
Mitchell	173,323,000	135,269,800	1623	228.3
Oshkosh	125,128,333	65,683,00	804	223.8
Scottsbluff	960,551,017	721,763,322	14,737	148.4
Terrytown	147,433,847			
WNJWB (includes Lyman, Henry, Morrill)	327,391,371			

*This includes pumping and, if applicable, discharge volumes.

**Population numbers were supplied by the municipality.

The following table lists the information gathered for the industrial accounting requirement:

Name	Location	Well Reg. #	Baseline 2001-2006 (Acres or Gallons)	2021 Use (Acres/Gallons)
Courthouse and Jail Rock Golf Club	Sec. 29, T19N, R50W	G-096426, G-056581	35.21 acres	35.21 acres
Riverview Golf and Country Club	Sec. 17 and 20, T22N, R55W	G-083316, G-083317	67 acres	67 acres
Scottsbluff Country Club	Sec. 10, T22N, R55W	G-147117, G-147118, G-147119	106 acres	106 acres
Chimney Rock Golf Course	Sec. 22, T21N, R52W	G-072722	81.25 acres	81.25 acres
Rolling Green Golf Course	Sec. 15, T23N, R57W	G-029114	46.3 acres	46.3 acres
Scenic Knolls Golf Course	Sec. 9 and 16, T23N, R56W	G-120401	63.3 acres	63.3 acres
Oshkosh Country Club	Sec. 10, T16N, R44W	G-131367	33.2 acres	33.2 acres
Western Sugar Cooperative	Sec. 30, T22N, R54W	G-074421, G-074422, G-074423, G-005567	1,125,000,000 gallons	541,868,932 Gallons
Bridgeport Ethanol LLC	Sec. 03, T19N, R50W	G-117573, G-152360	136,498,984 gallons*	122,296,644 gallons

*Baseline determined by 2009-2018 and will be re-evaluated every 5 years

XI. OTHER DATA ACQUISITION

As of 2021, the North Platte NRD had 855 telemetry units installed on flowmeters throughout the District.

The North Platte NRD in combination with the Nebraska Soil and Water Conservation Program provided cost-share in the amount of \$54,071.69 for irrigation improvements through the NC-17 practice. Improvements included conversion nozzles, system renovations, drop nozzles and precision irrigation systems.