Regular Board of Directors Meeting
Monday, September 9, 2024 6:00 PM
Lower Platte North NRD Office
P.O. Box 126
Wahoo, NE 68066

1. Call to Order

   NOTE: The agenda is on file at the LPNNRD office and may be changed up to 24 hours prior to the meeting as scheduled.

   1.A. Meeting Notice

   1.B. Inform Public on Location of Copy of "Open Meeting Act"

   1.C. Pledge of Allegiance

2. Roll Call

   2.A. Introductions

3. Approval of Agenda
   Are there any additions or corrections to the agenda?
4. Comments - Advisors/Guests

   4.A. Guest Comments

   4.B. NRCS Report

   4.C. NARD Report

   4.D. NRC Report

   4.E. Managers Report

   4.F. Education Program

5. Approval of Minutes
   Are there any additions or corrections to the Minutes? If not they will be approved on the consent agenda.
6. Report of Standing Committees

   6.A. Executive Committee - Action as Required

6.A.1. UNFINISHED BUSINESS

6.A.2. MEETINGS

6.A.2.a. Pending

6.A.2.a.1. NARD Fall Conference

Reminder that the NARD Fall Conference is September 22 - 24 in Kearney. See attachment for details.

6.A.2.b. Reports

6.A.3. MANAGEMENT ITEMS

6.A.3.a. Director Absence Policy

At the November 13, 2023, Board Meeting a motion was made to modify the current Director Absence policy and add up to two zoom and two business related absences along with existing medical excused absences.

6.A.3.b. Directors Absence

Attached find Ryan Sabatka's absence from the July Board Meeting (vacation).

Last month the following absences were reviewed.

April

Yosten- Dr. Appointment in Omaha

May

Bailey - Planting

Yosten - Planting

June

Bailey - Planting

Hilger - Alfalfa Harvest

D. Johnson - Replanting

Yosten - Farming

Saeger - Out of Town (Zoom)

Meduna - Planting

The following motion was made at the August Board Meeting -

Saalfeld made the motion, seconded by Lawrence, to approve Directors Yosten (April - Dr. Appointment) and Saeger (June - zoom) absences. Motion carried on consent agenda.

6.A.3.c. Monthly Education Program

6.A.3.d. New Office Update

Discussion regarding 428 equipment/generator and vehicle storage building for the new office.

6.A.3.e. Sub-District #8 Vacancy

Discussion is requested on determining how we wish to proceed following director Kavan's resignation

6.A.3.f. Long Range Plan

Please review the attached Long Range Plan. Approval of the plan will come from Operations Committee

6.A.3.g. FEMA Disaster Declaration

A declaration of disaster was declared by FEMA for Saunders County. We can now proceed with an application to repair our Lake Wanahoo damage. Federal assistance will be 75% cost-share allowing us to begin repairs below the dam and in the park.

6.A.3.h. Wahoo Creek Update

Easement update on ingress/egress

6.A.3.i. November Board Meeting

The November Board Meeting will be held in Schuyler on Monday, November 11th.

6.A.3.j. NARD Resolutions

Discussion can take place on the attached two resolutions that will be presented and voted on at the NARD Conference later this month.

6.A.4. EQUIPMENT

6.A.5. PERSONNEL

6.A.5.a. Brueggemann Leave Payout

Brueggemann's last day of employment was August 23rd. Our policy states the NRD will pay employees unused annual leave time and any hours over 360 for sick leave. (see attachment)

6.A.6. FINANCE

6.A.6.a. Approval of Financial Reports

Grant reviewed the Draft July Financial Statement. We will not approve until after we receive the Annual Audit.

6.A.6.b. Approval of Managers Time and Expense Sheets

Attached find Gottschalk's time and expense sheets.

6.A.6.c. Accounts over 90 Days

6.A.6.d. Budget and Set Property Tax Rate

As discussed at last month's Board Meeting, our plan is to once again maintain the same tax ask of $3,480,715 as it has been in the past eight years. Our total expenses are $14,085,324.

Gottschalk has a breakdown of 2024 Valuation by each County.

Due to increased valuations, we will be lowering our tax levy from .028652 to .025767 to support our previously approved budget of $14,085,324.

A motion will be needed at Board Meeting - To approve the State Budget that includes total expenditures of $14,085,324 with a tax levy rate of .025767 for a tax asking of $3,480,715.

6.B. Operations Committee - Action as Required

6.B.1. UNFINISHED BUSINESS

We have nothing to consider for unfinished business.

6.B.2. WILD NE AND OTHER PROGRAMS

M.E. Collins has finished cleaning out the northern Catpaws on Wanahoo. The quantity of soil was just under 8,000 cu yds. We may move on to the southern Catpaws at a later date, as our contract is for 10,000 cu yds.

6.B.3. OPERATION & MAINTENANCE & OTHER ITEMS

The O & M crew has started our mowing circuit. We continue to cut, treat and shred problem areas with trees. We have some areas of Phragmites to spray also.

6.B.3.a. Rehabilitaion of Cottonwood 21-A, NRCS & HDR

As presented last month, we are 60% complete on the rehabilitation study on Cottonwood 21-A. Two alternatives were presented at the previous board meeting. Alternative 3 - new spillway to the east, with 500 year flood protection, and a safer county road design. Alternative 4 - Modify existing A. Spillway (larger), continued 100 year flood protection, county road is modified and is still manipulated by road maintenance. Both alternatives are very similar in estimated cost and B/C ratio.
Staff and Travis Hazard visited with both landowners in person.

6.B.3.b. FEMA/NEMA Flood Damage Declaration

A declaration of disaster was declared by FEMA for Saunders County. We can now proceed with an application to repair our Lake Wanahoo damage. The District hired Houston Engineering to inspect the Wanahoo stilling basin pre-declaration. The District will request FEMA to include this cost, $6,988, as part of the repair/rehabilitation. Our explanation to FEMA will be A) The item is available only from one source, meaning, Houston Engineering was the original designer and oversaw the construction of the previous repair. B) The public exigency or emergency for the requirement will not permit a delay resulting from publicizing a competitive solicitation. Meaning the District didn't know if or when a declaration would happen, and we needed immediate consultation from the designer rather than prolonging it by competitive solicitation.

6.B.3.c. Wanahoo Basin Investigation for Damage

Mike Sotak, Houston Engineering, inspected the stilling basin on Monday, August 26th by walking and swimming. They will use a submersible sonar

device on Monday, September 9. Mike didn't find anything alarming, such as scour holes or large pockets of missing rock. He found that some of the Gabian baskets attached to the sheet pile wall had some tears and a small portion of chain link fence covering the baskets came loose. He will present their findings at our October Committee meeting. Attached are a couple of blueprints of the basin design.

6.B.3.d. Rawhide Ditch 8, Brand Request

As mentioned previously, Kirk Brand would like a 24" CMP replaced that drains the county road ditch and his field into Rawhide Ditch 8. Heimann asked three contractors for labor quotes and received two; Grefe Excavating, $2,950 and Thompson Construction, $3,000.

A 30" x 60' CMP with a 1' band costs $3,887.00. A 36" x 60' CMP with a 1' band is $4,664.50. This doesn't include a flap gate for each and a 2' band would increase the price.

Mr. Brand would pay 50% of the cost.

The committee would like Mr. Brand to present his case at the next Operations Committee meeting.

6.B.3.e. No-Till Grass Drill, Schuyler Co-op

Schuyler Co-op sent a check for $1,147.45 for the period of January – July. They have also requested to get out of our drill rental agreement because the drill is worn out and has continual maintenance & repairs. This drill is 16 years old. The Co-op will continue renting the drill through the Fall.

Since the Committee meeting, we have been informed that Schuyler Co-op has ordered a new drill for themselves. We will have to discuss our options as to what to do with our worn-out grass drill next month.

6.B.3.f. Equipment Sold on On-Line Auction

We had Sanderson On-Online Auction sell some equipment. The Bobcat trencher attachment sold for $4,025, Bobcat backhoe $6,050, Kawaski ATV $1,750, 40 gallon fuel tank with a bad pump $130 for a total of $11,955.00. The District netted $10,998.60.

6.B.3.g. Wanahoo Dam Inspection

The Dept. of Natural Resources Dam Safety and Nebraska Dept. of Transportation did an inspection of the Wanahoo Dam on August 22nd. NDOT primarily inspects the principal spillway. They didn't find any deficiencies in the concrete structures, weir, floors, conduits, etc.

Dam safety will send the District a written report at a later date. From the inspection, we have some conduit joints that need sealing just as we did back in 2019. For the most part, the work from 2019 is holding up very well. Heimann contacted the company who performed the work.

6.B.3.h. Carl Sousek Water Line Request

Carl Sousek of Prague has failing wells on his farmstead. He lives 1 1/2 miles west of Czechland Lake. A well driller punched 11 holes in the ground trying to locate water. They found water just under a half mile SE of his farmstead below the Cottonwood 6--B dam, on the other side of the creek channel. He has a choice to bore a water line under a deep creek bed or run the water line at the toe of the dam over the dam's outlet pipe. NDNR

Dam Safety does not want the water line over or under the outlet pipe even though the line would be encased and valves on each end.
Since the District deals with water, dams and wells, would we consider assisting Mr. Sousek in some way to get his water line under the creek bed? See attached aerial photo.
The Committee would like Mr. Sousek to look into an NRCS EQIP program called Small Scale and Urban Ag for running his water line.

6.B.4. ROCK AND JETTY

We have not received any applications or payment requests.

6.B.5. LAKE WANAHOO

6.B.5.a. Lake Wanahoo Permit Sales

For the month of July, the District received $8,190.50 in annual park permit revenue. The year by year break down is listed below.

Month	Monthly Total	YTD
July 2024	$8,190.50	$63,501.50
July 2023	$6,055.00	$66,550.00
July 2022	$6,292.50	$68,545.00
July 2021	$6,430.00	$79,337.50
July 2020	$7,332.50	$87,587.50
July 2019	$7,925.00	$70,725.00

6.B.5.b. Lake Wanahoo Camping Revenue

For the month of July, the District received $17,268.00 in camping revenue. The year by year comparison is below.

July 2024	$17,268.00	$76,056.95
July 2023	$21,176.94	$83,169.40
July 2022	$18,175.50	$78,417.83
July 2021	$15,326.94	$82,512.73
July 2020	$12,615.36	$87,645.40

July 2019	$18,046.00	$60,916.46

6.B.5.c. Wanahoo Camping

We are continuing to look into 50 AMP upgrades to campsites as the demand for them has increased. We could potentially upgrade up to 20 sites to have 50,30,20 AMP pedestals.

6.B.5.d. Education Building

The Clint Johannes Education Building at Lake Wanahoo was rented 22 times in August with 1 NRD event. Revenue for the month was $1,760.

6.B.6. INFORMATION AND EDUCATION

6.B.6.a. Information

6.B.6.a.1. Radio & eAds

The KTIC radio ads and Wahoo newspaper e-ads during August featured all three recreation areas and will continue through September. The ads are attached.

6.B.6.a.2. Analytics

The LPNNRD Facebook and X pages, along with the website are some of the fastest ways to get information out to the public. Facebook and X posts range from 12 -18 posts per month. If you are on Facebook or X, please like, follow, share, or retweet the Lower Platte North NRD posts!

Total reach/impressions show how many people saw the post/tweet. Engagements include likes, comments, shares/retweets and link clicks.

August had a total of 18 posts.

	Followers for August	**Total**	**Increase/Decrease**
	Facebook	1,635	Up .43%
	X	451	-

Posts included:

- Upcoming variance request deadlines
- NRD Recreation Exploration
- Groundwater Management Plan meetings
- Sentinel's Sunset Seminar
- Upcoming Envirothon Field Day
- Board Meeting/budget hearing reminders
- Phragmites control reminder

	Users	Traffic Channel Changes	Top Pages	Devices
	1,686	Organic -25.31% Direct -40.23% Referral -35.48% Social -55.17%	Lake Wanahoo Home Czechland Outdoor Recreation Downloads	Mobile 63% Desktop 35.6% Tablet 1.4%
	2,396	Organic -13.66% Direct 17.39% Referral -4.71% Social -50.85%	Lake Wanahoo Home Czechland Outdoor Recreation Downloads	Mobile 57% Desktop 41.5% Tablet 1.5%
	2,895	Organic 19.25% Direct 15.94% Referral 98.82% Social -54.24%	Lake Wanahoo Home Czechland Flood Damage Reduction Staff	Mobile 57% Desktop 41.5% Tablet 1.5%

Traffic channels: organic traffic means they use a search engine then choose an option that includes lpnnrd.org, direct traffic means they type in lpnnrd.org directly (or have it bookmarked), and referral traffic is any other traffic not from a search engine or social (such as a link from another site). As of mid-September changes for traffic channels and devices will show increase or decrease for the month.

Referral clicks from: NARD's website 21, visitnebraska.com 10, Wahoo newspaper website (LPNNRD digital ad) 0.
Clicks from Facebook: 9.
Clicks from Twitter: 0.

6.B.6.b. Education

6.B.7. RURAL WATER SYSTEMS

6.B.7.a. Rural Water Operations

The RWD continues to work on the lead service line inventory (LSLI) which is due 10/18 to EPA.
The new meter reading hardware and software have all be ordered and should be here soon.
NDEE notified all PWS within Area 1 (Colon RWD) that they have not been able to fill the Drinking Water Field Representative position vacated by the retirement of Tim Thares. This will put a backlog on sanitary

surveys (amongst other duties of position) within the area. The Colon RWD was due for a review this year.

6.B.7.b. Colon System

Routine monthly sampling completed, meters read and bills to be mailed 8/31.

6.B.7.c. Bruno System

Elliott submitted an application to NeDOT for ROW occupation for the proposed new service hookup along Highway 12B and is still waiting for review.

Routine monthly sampling completed, meters read and bills to be mailed 8/31.

6.B.7.d. Other

6.B.8. Long Range Plan

Attached is a copy of the first draft of the long range plan. Please read this document and discuss any changes requested.

A motion will be needed at Board Meeting to approve the attached Long Range Plan.

6.C. Water Committee - Action as Required

6.C.1. UNFINISHED BUSINESS

6.C.2. REGULATORY

6.C.2.a. GROUND WATER MANAGEMENT AREA

6.C.2.a.1. Variance Request in the Hydrologically Connected Area (Limited Development Area)

Deadline is September 15.

6.C.2.a.2. Variance Requests in the Non-Hydrologically Connected Area (Normal Development Area)

The NRD has received 2 applications for this area.

Reichmuth Ag - C N1/2 18-18-1E, Platte County, 15 acres

Doug Bartek - E SW 23 -16-8E, Saunders County. 64 acres

Staff explained to the Committee on Reichmuth Ag application that if you score just the 15 acres, then it would not be eligible because of the previous land class prior to removing the trees and leveling the land. If the whole field is scored, it then becomes eligible with maps attached showing the differences.

The committee discussed the efficiency of the irrigation system by allowing it to complete the circle. The committee discussed the erosion potential and whether cover crops and/or filter strips should be required. This would require more oversight by the NRD staff, but this is what NRCS conservation plans are designed to address.

6.C.2.a.3. Variance Requests in the Restricted Development Areas

Randy Vavrina was present to explain the reasoning for asking for this variance. He was agreeable to adding the acres without increasing pumping. He is aware of domestic wells in this limited water area and is in contact with his neighbors.

Discussion from March 28 Water Committee Meeting:

Vavrina and Sons Inc purchased property in SW1/4 33-16N-4E, Butler County. (2 miles NW of Bruno). They currently have an irrigation well, G-064907, in the middle of the East Half of 32-16N-4E, where they irrigate 66.79 aces. The 3-year average for this field is 5.17 acre-inches/year. They are requesting an expansion of acre variance which would decrease their current 27-inch rolling allocation to irrigate the additional 64 acres in Section 33. They would be irrigating 130.79 acres with a 13.79 acre-inch allocation over 3 years. Map attached. This well is in the LPNNRD GWEL network with a graph attached.

The committee discussed the locations of the domestic wells in this restricted (red) area. The committee asked for further information like FSA cropping information, soil types and slopes. When the information is obtained, the committee will discuss this situation.

Attached is the soil map for this tract.

6.C.2.a.4. Voluntary Integrated Water Management Plan - LPNNRD

Staff from NeDNR and LPNNRD made their required annual report on V-IMP activities to the Committee. The presentation is attached.

6.C.2.a.5. Well Permit Program

6.C.2.a.6. Expansion of Irrigation Acres Variance

The committee directed staff that a variance application would be required as the land was never developed.

The tract is shown by the NRD as irrigated, but the producer did not develop it. He has now applied for a gravity to conversion application with NRCS in the Richland-Schuyler Area. These acres were already included in the certified irrigation acres report for the V-IMP and scored 453.08.

6.C.2.a.7. De-Certification of Irrigated Acres

Eugene Walla is requesting to de-certify 7.56 irrigated acres in the SW SE 21-17-5E, Saunders County. Staff explained to them that they would not be able to irrigate this tract and would need a variance if they plan on irrigating in the future. Saunders County Assessor is requesting a letter to this effect. Staff will be sending a letter to the assessor to notify them that this land will be de-certified as requested by the

producer.

Attached is the location and their plan to put this tract into CRP.

6.C.2.a.8. Cost Share Programs

6.C.2.a.8.A. Irrigation Well Sample Kits

301 kits to producers so far in 2024. More kits continue to arrive in the mail and are being requested.

6.C.2.a.9. Bellwood Phase 2 Area

2024 is the twenty-second year for this Phase 2 Area.

	Nitrate-nitrogen Range	**Percent Nitrate-nitrogen 0 to 8.0 ppm**	**Percent Nitrate-nitrogen 8.01 to 10.00 ppm**	**Percent Nitrate-nitrogen 10.01 to 15 ppm**	**Percent Nitrate-nitrogen greater than 15 ppm**
	0 to 25 ppm	46.3% (44 of 95)	8.4% (8 of 95)	45.3% (43 of 95)	
	0 to 25 ppm	47% (44 of 94)	15% (14 of 94)	38% (36 of 94)	
	0 to 24 ppm	41% (29 of 71)	14% (10 of 71)	45% (32 of 71)	
	0 to 31 ppm	48% (48 of 100)	9% (9 of 100)	43% (43 of 100)	
	0 to 28 ppm	53.75% (43 of 80)	7.5% (6 of 80)	38.75% (31 of 80)	
	0 to 22 ppm	45.5% (41 of 90)	15.5% (14 of 90)	39% (35 of 90)	
	0 to 35.7 ppm	48.65% (54 of 111)	11.71% (13 of 111)	39.64% (44 of 111)	
	0 to 26.6 ppm	51% (56 of 110)	6% (7 of 110)	43% (47 of 110)	
	0 to 28.9 ppm	57% (61 of 107)	9% (10 of 107)	34% (36 of 107)	

	0 to 25.8 ppm	50% (53 of 107)	9% (10 of 107)	14% (44 of 107)	26%
	0 to 22.3 ppm	51% (55 of 108)	13% (14 of 108)	18% (39 of 108)	20%
	0 to 32.3 ppm	43% (31 of 72)	8% (6 of 72)	14% (35 of 72)	33%
	0 to 35.1 ppm	34% (25 of 74)	11% (8 of 74)	26% (41 of 74)	26%
	0 to 23.5 ppm	36% (27 of 74)	15% (11 of 74)	19% (36 of 74)	22%
	0 to 30.9 ppm	40% (25 of 63)	11% (7 of 63)	22% (31 of 63)	28%
	0 to 24.5 ppm	46% (22 of 48)	10% (5 of 48)	28% (21 of 48)	22%
	0 to 20.5 ppm	33.33% (20 of 60)	13.33% (8 of 60)	35% (21 of 60)	18.33% (11 of 60)
	0.12 to 27.7 ppm	40.6% (26 of 64)	15.6% (10 of 64)	25% (16 of 64)	18.8% (12 of 64)
	0.13 to 23.0 ppm	43.75% (28 of 64)	12.50% (8 pf 64)	26.56% (17 of 64)	17.19% (11 of 64)
	0 to 19.8 ppm	50.8% (32 of 63)	15.9% (10 of 63)	20.6% (13 of 63)	12.7% (8 of 63)
	0.09 to 18.0 ppm	45% (13 of 29)	14% (4 of 29)	31% (9 of 29)	10% (3 of 29)

More samples from this area have been returned - these are either at HHS Lab or are to be taken to HHS Lab.

6.C.2.a.10. Richland - Schuyler Phase 3 Area

2024 is the ninth year of this Phase 3 Area. This Phase 3 area went into effect September 1, 2015. The 55 sections of this area first went into a Phase 2 Area in 2004. The ten sections that were in Phase 2 are now in Phase 3. As such, the 2020, 2021 and 2022 numbers (at bottom of table) are for 65 sections.

Year	Nitrate-nitrogen Range	Percent Nitrate-nitrogen 0 to 8.0 ppm	
2004	0 to 47 ppm	30% (42 of 139)	
2005	0 to 120 ppm	31.3% (74 of 236)	
2006	0 to 53 ppm	28% (50 of 181)	
2007	0 to 99 ppm	32% (75 of 231)	
2008	0 to 46 ppm	28% (53 of 190)	
2009	0 to 57 ppm	33% (72 of 216)	
2010	0 to 57.5 ppm	31% (70 of 229)	
2011	0 to 65.8 ppm	28% (67 of 241)	
2012	0 to 52.6 ppm	29% (70 of 241)	
2013	0 to 94.0 ppm	25% (63 of 252)	
2014	0 to 101.0 ppm	27% (68 of 251)	
2015	0 to 53.3 ppm	23% (55 of 238)	
2016	0 to 50.5 ppm	25% (58 of 228)	
2017	0 to 53.4 ppm	25% (60 of 238)	
2018	0 to 56.9 ppm	26.5% (50 of 189)	
2019	0 to 39.4 ppm	25% (53 of 209)	
2020	0 to 50.8 ppm	26% (69 of 261)	
2021	0 to 43.0 ppm	25.5% (67 of 263)	
2022	0 to 58.5 ppm	23.0% (57 of 248)	
2023	0 to 46.5 ppm	26% (68 of 263)	
2024	0 to 42.5 ppm	21% (19 of 91)	

More samples from this area have been returned-these are either at HHS Lab or are to be taken to HHS Lab.

6.C.2.a.11. Nitrate Assessment Project

Attached is an invoice for $10,702.75 per contract with LRE for the nitrate assessment in the Shell Creek Area in conjunction with Newman Grove and Platte Center.

6.C.2.b. Groundwater Management Plan Update

Staff from LPN and LRE conducted 2 public open houses in Platte Center (16 in attendance) and Wahoo (12 in attendance). People in attendance had opportunities to provide feedback on the water resources in the District. A couple of discussion items were on what practices are being done to curb the nitrate issues and domestic wells on acreages or subdivisions. Staff will be complying more details on the feedback at the next Water Committee Meeting.

Attached is some information on proposed goals and aquifer sub-areas. Please review as adjustments can be made by the local knowledge of the areas.

Other information from the open houses is attached.

6.C.2.c. CHEMIGATION

For 2024, we have 652 renewals and 56 new permit applications for a current total of 708. Inspections for 195 renewal permits have been completed.

6.C.2.d. GROUND WATER ENERGY LEVELS

Staff conducted summer water level measurements in the WANN Basin.

6.C.2.e. GROUND WATER QUALITY SAMPLING

The remaining two sites in Butler County were sampled with 1 remaining in Saunders County. The remaining Boone County site may not be irrigated this year.

6.C.3. GROUND WATER PROGRAMS

6.C.3.a. DECOMMISSIONED WELL PROGRAM

6.C.3.a.1. Well Estimates

new wells has been reviewed and approved for decommissioning since the last Committee meeting.

Well Owner	Type of Well	Cost Share Estimate	County

6.C.3.a.2. Plugged Wells

One well has been plugged, reviewed, and ready for cost share payment approval this month.

Well Owner	Type of Well	Cost Share Estimate
Dworak Agribusiness LLC	Irrigation	$753.77

6.C.3.b. LOWER PLATTE NORTH NRD GROUND WATER STUDIES

6.C.3.b.1. Phase Area Update

Received 1 application for flow meter cost share and 4 applications for chemigation equipment to 1 producer for payment.

Erin Peterson G-016935 N NW S22-17-3, Colfax - $1,000
MJM Farms 4 sites at $500/site - $2,000
NNE 27-17-2, SENW 27-17-2, NW 33-18-2, and NNW 27-17-2, Colfax County.

Attached is some information about the demonstration projects of variable rate nitrogen in the phase areas. These projects utilized satellite imagery to apply nitrogen and compared this to the producer decisions on nitrogen management.
The Nebraska State Legislature passed LB 1368, the Nitrogen Reduction Incentive Act (NiRIA) with a draft of the proposal attached. At the present time, the LPN has 2 management areas in higher nitrate management with information shown below.
Richland- Schuyler (Phase 3) - 24,812 reported irrigation acres at $15/acre would be $372,180.
Bellwood (Phase 2) - 7,514 reported irrigated acres at $15/acre would be $112,710.
LPN would be receiving $38,058.73.
Part of the process of moving to a Phase 4 level will require reduction in nitrogen use on some fields, split application and water use information. During the phase 4 process, staff would meet with producers to develop a management plan.

6.C.3.b.2. Lower Platte River Consortium

The group met on August 21 to update the basin water flow, a 5-year update and potential projects to include in the update. The group decided on the following projects to include in the updated plan for further review.

- 12–16 reservoirs for Salt Creek Flood Protection
- Water Sense Program
- Fremont Dewatering
- Graywater Use
- Drought Education

Attached are notes from the meeting.

6.C.4. METOS Update

LPN staff and METOS staff have been in discussion on a suitable agreement for all parties about the equipment damaged by their former employee. Potential action at the board meeting.

The proposal that has been brought forward is outlined.

- METOs will update all the existing equipment in the weather stations at no cost other than shipping it to their headquarters in California.
  - Weather stations will include rainfall, wind, and evapotranspiration (ET) rates etc.
  - The NRD has 70 base stations.
- Year 1 will be implementation and setup of the equipment and Year 2 will allow the public to utilize these sites. Some of the sites will be set up quickly.
  - NRD staff will set these sites up at NRD recreation areas, schools and with other interested parties, but spatially throughout the District.
  - We currently have inactive weather station sites in Saunders, Butler, Dodge, Colfax, Platte and Boone Counties. These will be reactivated.
- The first 2 years there will be no cost for equipment updates or subscriptions for the LPNNRD
- If, after 2 years, no acceptable terms can be obtained by both parties, the equipment will be returned to METOs.

A motion will be needed at Board Meeting to approve and authorize the Manager's signature on an agreement with METOs as described above after Legal Counsel review.

6.C.5. Long Range Plan

Attached is LPN long range plan. Please take the time to review before the board meeting.

6.C.6. SURFACE WATER PROGRAMS

6.C.6.a. STATE LAKES, FOR THE WEEK OF

This week's beach Bacteria and Harmful Algal Bloom results are now posted on the NDEE web page (Current Health Alerts and Sampling Results For This Week).

Maple Creek Recreation Area Lake in Colfax County will be on Health Alert this week. Calamus Reservoir in Garfield County will be removed from Health Alert. West Mormon Island Lake (SRA) in Hall County remains closed, so no sample was taken.
There will be **1** beach on Health Alert this week.

Current Lakes on "Health Alert"

Lake	County	Microcystin (ppb)	Sa
Maple Creek Recreation Area Lake	**Colfax**	**17.47**	**8/**

When a lake exceeds 8 ppb of microcystin it will be placed on Health Alert. If a lake is under a Health Alert, signs will be posted recommending people avoid full body contact activities such as swimming, wading, skiing, jet skiing, etc.
There are **4** beaches with *E.coli* testing above 235 colonies/100 ml.

Lakes with High *E.coli* Bacteria

Lake	County	*E.coli* (MPN)	Sa
Branched Oak Lake - Area 10	**Lancaster**	**435**	**8/1**
Branched Oak Lake - Liebers Point	**Lancaster**	**308**	**8/1**
Maple Creek Recreation Area Lake	**Colfax**	**>2419**	**8/1**
Maskenthine Reservoir	**Stanton**	**>2419**	**8/1**

When *E. coli* bacteria levels test above 235 colonies/100 ml a Health Alert is not issued. However, conditions are at a higher risk to human health when swimming. Considering the more rapid changes in bacteria conditions, signs are not posted with these higher levels. Although, we want people to be aware of beach conditions and use their own judgment as to whether they use a listed waterbody.

6.C.6.b. USGS STREAM FLOW GAUGING SITES

As discussed at the last committee, a 5-year annual contract for stream gauges was suggested. A contract to that effect is attached with LPN responsibility for the 5 years would be $89,675 ($17,935annually) and invoiced quarterly.
An invoice is attached for $19,010 for last year's contract with USGS for 2 stream gauges and 1 groundwater monitoring well.

6.C.7. OTHER

6.C.7.a. COMMENTS FROM THE PUBLIC

6.D. Projects Committee - Action as Required

6.D.1. UNFINISHED BUSINESS

6.D.2. SWCP

DNR contacted all NRDs with their FY25 NeSWCP apportionment, the LPN allocation= **$83,058.36**

Combined with the NRD local **$25,000,** the FY25 total = **$108,058.36**

6.D.2.a. SWCP Application Approvals

Listed are two new FY25 applications for SWCP:

With these two applications our total FY25 SWCP allocation totals = $60,168.85.

JV ACRES PTNSHP	**$**	**12,433.35**	**Terraces with tile outlet/WASCB**
DONALD KREJCI	**$**	**15,000.00**	**WASCB w/ tile outlet**

6.D.2.b. SWCP Payments

6.D.2.c. SWCP Cancellations

6.D.2.d. Wahoo Creek Cost Share Approvals

6.D.3. JOINT WATER MANAGEMENT ADVISORY BOARD (JWMAB)

6.D.3.a. East Fremont/Elkhorn Township Drainage - FEMA HMPG

FEMA funding was not awarded (July 2024). A debrief was requested from NEMA/FEMA. The City plans to have JEO phase and repackage the BRIC grant application for the middle portion (East of Luther Rd, West of Hwy 275. They may utilize some ARPA funds to be begin detention basin excavation on property already owned south of the power plant/rail road tracks. BRIC grant application deadline will be delayed due to FEMA funding pause.

6.D.3.b. West Fremont - FEMA BRIC

JEO has completed the nonstructural site inspections and made recommendations for 5 separate properties. JEO will present their finding to the property owners to see how receptive they are to the proposed

upgrades. A 25% local match is needed from any combination of non-federal funds. JEO will also work on an application for Floodplain Management and Administration policy review.

6.D.3.c. Rawhide Creek Watershed - NRCS WFPO

JEO completed edits on the Plan EA based on comments received from NRCS State staff. We are still awaiting a letter from the City / Airport Authority stating that they're ok with the proposed project. Once submitted, final approval is expected to take 6 to 9 months. Final design can begin fall of 2025 (FY2026): Large detention west of town & Raising Fremont Cutoff road west of highway, ties into high-ground.

6.D.3.d. North Bend Drainage District

Jovan drafted an agreement for the Board's commitment last month of $60,000. A signed copy is attached.

6.D.3.e. North Bend Levee

Attached is a request from North Bend for reimbursement of Levee easement work. On July 12, 2021, The NRD Board approved the motion "To approve 1/3 of the cost, up to $13,000 maximum assistance, to the City of North Bend, for hiring JEO to develop easements for the North Bend Levee System."

The filing fees totaled $120.00 and JEO's fee was $42,178.75, divided by 3 equals $14,099.59

6.D.3.f. USGS Joint Funding Agreement - Platte River Cameras and Stage-Only Streamgages

Attached is a Joint Funding Agreement with USGS for the operation of five cameras and two stage-only streamagages for five years. Total local cost is $114,280 for 5 years, split between 4 partners (Dodge County, City of Fremont, Papio, and LPNNRD) = $5,714 annually per partner. LPNNRD is the lead on this project. We plan to pay USGS quarterly and bill back partners annually.

6.D.3.g. Interlocal Agreement - Platte River Cameras and Stage-Only Streamgages

Attached is a joint funding interlocal agreement with Dodge County, City of Fremont, and Dodge County for operation and maintenance of five Platte River Cameras and two Stage-Only Streamgages for five years. The agreement is based on our previous agreement with updated dates and financial, and the removal of language describing purchasing the equipment.

6.D.4. SHELL CREEK WATERSHED

6.D.4.a. Shell Creek Implementation - 319 & NET

SCWIG met on 8/13 in Columbus NRCS office. Topics included: producer and homeowner mailings, residential irrigation efficiency rebates, recently complete and planned projects, and celebration logistics. The celebration is scheduled for September 12th at 4:00 pm, Matt's shop. We are also planning a smaller tour of several projects beginning at noon, meeting at Matt's shop.

6.D.4.b. Septic System upgrade payment

BIll Bos submitted a completed septic system upgrade for payment:

D a w n S c h u l z	Onsite Wastewater	$5,500	$4,627.20

6.D.5. WAHOO CREEK WATERSHED

6.D.5.a. Dam Site Planning Update

NeDNR requested acknowledgment from Saunders county that they were aware of road impacts from site 26B on Road P. Staff and Olsson submitted numerous accounts of discussions about the impacts, an email from Saunders Co Road Superisor, and the Conditional Use Permit issued by Saunders.

Final bid document edits/responses have been competed and full bid package will be available via Quest or staff will compile a requested packet.

Planned site showing for first three sites is 9/19.

Bids due 10/3.

Bid award 10/14 (Board mtg)

6.D.5.a.1. Design - Olsson

Request for construction bids on sites 26A, 26B, and 27 have been advertised. The upcoming schedule:

9/19 - Site showing

10/3 - Bid due/opening

10/14 - Board award contract

Olsson progress report and invoices attached.

6.D.5.a.2. Real Estate - Olsson & Great Plains Appraisal

Danielle and Elliott held initial meetings with the majority of landowners on sites 55, 85, 84, 66, and 86. There remain a few holdouts who have not responded to multiple letters, or phone calls. These initial landowner meetings serve the purpose to present the most up to date map and knowledge of the project to the impacted landowners as a courtesy before the appraisal, and offer, process begins. Danielle, along with Olsson engineering staff, Elliott, Chapman and Gottschalk met 8/26 to discuss easement language clarification relating to "top of dam" vs. "100 year floodplain" requirements. NRCS is requiring easements to top of dam elevation for this WFPO program. NeDNR requires easements to 100 year floodplain/auxiliary spillway crest elev..

Discussion was had regarding ingress/egress wording; current wording gives NRD "blanket coverage" throughout the "easement area", but not specific requirements/expectations for operation and maintenance or location of access.

Invoice attached

6.D.5.a.3. Funding - NRCS WFPO & NeDNR JEDI

6.D.5.b. Water Quality - NWQI & 319

6.D.6. LOWER PLATTE RIVER CORRIDOR ALLIANCE

6.D.7. LINDSAY POND RESTORATION

Attached is a request from the Village of Lindsay for $25,000 of the $50,000 committed for their pond restoration project. They expect to request the final $25,000 after substantial completion scheduled for October 15th, 2024. On February 10th, 2023, the LPNNRD Board approved the motion to "Assist the Village of Lindsay with their pond rehabilitation project by committing $25,000 this fiscal year and $25,000 in FY2024."

6.D.8. EROSION AND SEDIMENT RULES AND REGULATIONS

6.D.9. HAZARD MITIGATION PLAN UPDATE

Invoice and progress report from JEO attached.

6.D.10. DRAINAGE ISSUE

The NRD was contacted looking for any assistance with a drainage issue North/North East of North Bend - between Highway 79 and County Road 8. There are several parties interested in helping with the cost of this project.

6.D.11. LONG RANGE PLAN

Attached is a first draft of our Long Range Plan required to be updated annually. Directors are requested to review the draft and have comments and suggestions back to staff before September's Board Meeting.

6.D.12. NEBRASKA BUFFER STRIP PROGRAM

The Nebraska Department of Agriculture (NDA) funds the Nebraska Buffer Strip Program while the NRDs administer the contracts within their respective NRDs. NDA reached out the NRDs to pose possible amendments to the buffer strip program, some which would require statute change. Attached are the proposals.

6.D.13. OTHER

7. Additional Action Items

7.A. Decommissioned Well Payment

G-068383 - original well has been decommissioned, the Well Decommissioning Form has been received by NeDNR, and payment has been made to the well driller (AWS, Mead). The 75% cost-share amount for the decommissioning of this well is **$1,346.25**, to go to the owner:
BEG LLC

c/o Jaguar Management
11225 Davenport Street
Suite #108
Omaha, NE 68154-2641

The well permit, LPN-023-1852, was approved as a 'Replacement Well'. Since the decommissioning of G-068383 did not occur within the required 180 days for Status as a replacement well, the 'Replacement Well' will be a new well. I met with AWS at their office in Mead regarding this situation. I also spoke with NeDNR who confirmed that the well will have to be a new well and that they will need a copy of our amended/corrected well permit to complete the well registration.

A motion will be needed at Board Meeting to pay BEG LLC $1,346.25 to decommission well number G-068383.

7.B. Shell Creek 319 Alternate Water Source Payment

SHELL CREEK 319 Implementation: Alternate water source payment: Roger Gehring Alternate water/pipeline $14,353.55

A motion will be needed to approve $14,353.55 payment to Roger Gehring for a completed alternate water/fence/pipline project within the Shell Creek Environmental Enhancement Plan.

7.C. NRD Financial Agreement with DOT

Attached is an agreement with the Department of Transportation outlining the engineering and construction costs related to drainage mitigation around the Windstream Utilities near the round about.

A motion will be needed to authorize Manager Gottschalk to sign the attached Financial Agreement with the Department of Transportation.

7.D. FNIC Commercial Insurance Renewal Package

Our Commercial Insurance for the NRD will be expiring at the end of the month and our new policy will take effect October 1st. See the attachment for comparison of last year's premium to this year. The major increase is in our Worker's Compensation line, which went from $10,509 to $23,248. The other item is the Cyber Liability Coverage which was included in last year's renewal. This year the cost is $6,538.15 if we wish to add it to our policy.

A motion will be needed at Board Meeting.

8. Approval of Bills Pending

9. Consent Agenda Adoption

10. Comments from Directors/Guests

11. Meeting Establishment/Adjournment

NOTE: The agenda is on file at the LPNNRD office and may be changed up to 24 hours prior to the meeting as scheduled.

Manager's Report – September 9, 2024

- Just a reminder, our Spring/Summer board meeting schedule began in April. Tonight's meeting and board meetings through October will all begin at 6:00 pm.
- Staff continues to work with NRCS State office regarding our Cottonwood Creek site 21-A rehabilitation project. We have been meeting with affected landowners on the final two design options and informing them of how each will impact their properties.
- Staff is working with Olsson and meeting with landowners on initial land rights discussions for the remaining six Wahoo Creek structures. We are also working closely with Nebraska NRCS, Olsson and NDNR as the final designs for the first three sites have all been submitted to DNR and we are awaiting their final approval for 26b. Bid documents have been prepared and the project is currently out for bid with a bid deadline of 2:00 pm October 3rd. There will also be some additional easement work needed on the first three sites ensuring specific O&M ingress/egress language in those documents.
- Our office has received notification from FEMA that Saunders County was included in the declaration for emergency funding due to damages suffered during the May storm event. We will be working with both NEMA and FEMA to make application and begin the process of repairing damages below our Wanahoo dam and within our Wanahoo Recreation Area.
- We have received the new 2023 valuations from all seven counties included in the Lower Platte North NRD boundary with total valuations increasing to $13,508,320,694 which reflects a $1.36 billion district-wide increase. With last month's budget approval of $14,085,234, our new levy will be reduced to .025767 to cover our local tax asking of $3,480,715 which will be the 9th year our local asking has remained the exact same amount.
- NDOT's work on the hwy 77/92 round-about continues with work on the south portion to be completed by the end of this month. Once this phase is complete, traffic will be routed on the south side and the old Hwy 77 north traffic will be allowed to turn right, shutting down the southbound 109 traffic turning right. Later in tonight's meeting we will need to approve the contract allowing NDOT's change order for installation of the filters around the utilities running through a portion of the dam.
- I am sad to report that past director Larry Feala's wife Cheryl passed away last week. Visitation is scheduled for Thursday from 6-8 pm at St. Charles in North Bend with the funeral Friday morning at 10:00. Please keep Larry and his family in your thoughts and prayers as they face the difficult days, weeks and months to come.

Stay safe and have a great month!

-Eric Gottschalk – General Manager, Lower Platte North NRD

LOWER PLATTE NORTH NRD MINUTES
BOARD MEETING
August 12, 2024

The regular monthly meeting of the Lower Platte North NRD Board of Directors was called to order at 6:00 p.m. at the Lower Platte North NRD Office, Wahoo NE on Monday, August 12, 2024.

1. NOTICE OF MEETING

The agenda and supporting documents are available on the district's website – www.lpnnrd.org. A copy of the Nebraska Open Meetings Law has been posted on the NRD's website.

The advanced notice of our August 12, 2024, board meeting was posted on the Lower Platte North NRD website and posted in the Wahoo Newspaper on August 2, 2024.

Chair Thompson informed those present that a copy of the "Open Meetings Act" is posted for public viewing.

Pledge of Allegiance

2. ROLL CALL - INTRODUCTIONS

DIRECTORS PRESENT AND CONSTITUTING A QUORUM:

Bailey	Birkel	Goldsberry
Hilger	Johnson, Jerry	Lawrence
Meduna	McKnight	Olson
Saalfeld	Sabatka	Saeger
Seier	Tonnies	Yosten
Thompson		

DIRECTORS ABSENT

Engel (Zoom)	Johnson, Duane (Zoom)

STAFF AND GUESTS:

Gottschalk	Breunig	Chapman
Heimann	Elliott (Zoom)	Lausterer (Zoom)
Sabatka (Zoom)	Travis Hazard	Matt Pillard
Bryan Shupe	Andrew Phillips (Zoom)	Tim Knott (Zoom)
Mark Brohman (Zoom)	Beethe	

3. APPROVAL OF AGENDA

4. COMMENTS - ADVISORS/GUESTS/DIRECTORS

a. Guest Comments

b. NRCS Report

Bryan Shupe reviewed the NRCS monthly report.

c. NARD Report

Hilger gave the NARD report.

d. NRC Report - None

e. Manager Report

Manager Gottschalk gave his report.

f. Education Program
Travis Hazard with Hazard Engineering presented the two proposed alternatives for Cottonwood 21A project.

5. APPROVAL OF MINUTES
Saalfeld made the motion, seconded by Lawrence, to approve the minutes from the July 8, 2024, Board Meeting. Motion carried on consent agenda.

6. REPORT OF STANDING COMMITTEES
A. EXECUTIVE COMMITTEE REPORT
1. UNFINISHED BUSINESS - None

2. Meetings
a. Pending
1. NARD Fall Conference – Update Given

b. Reports – None

3. Management Items
a. Director Absences
Saalfeld made the motion, seconded by Lawrence, to approve Directors Yosten (April – Dr. Appointment) and Saeger (June – zoom) absences. Motion carried on consent agenda.

b. Monthly Education Program – Update Given

c. New Office Update – Update Given

d. July 30th Meeting with the Governor – Update Given

4. Equipment – None

5. Personnel
a. Brueggemann Leave– Update Given

b. Assistant Water Manager Position – Update Given

6. Finance
a. Approval of Financial Reports
Attached to the Executive Minutes is the Draft June Financial Report.

b. Approval of Managers Expenses
Saalfeld made the motion, seconded by Lawrence, to approve Manager Gottschalk's time and expense sheets as attached to the Executive Committee Minutes. Motion carried on consent agenda.

c. Accounts Over 90 Days - Update Given

d. Review of FY2025 Budget

Saalfeld made the motion, seconded by Johnson, Jerry, to approve the Fiscal Year 2025 budget with total expenditures of $14,085,234. Motion carried all members present voting aye.

Saalfeld made the motion, seconded by Lawrence, that the August LPNNRD Executive Committee Minutes be received and placed on file. Motion carried on consent agenda.

B. OPERATIONS COMMITTEE REPORT

1. UNFINISHED BUSIINESS – None

2. WILD NE AND OTHER PROGRAMS – Update Given

3. OPERATION AND MAINTENANCE & OTHER ITEMS

a. Rehabilitation of Cottonwood 21-A – NRCS – Update Given

b. FEMA/NEMA Flood Damage - Update Given

c. Clear Creek Levee & Tie Back Levee Elevations – Update Given

d. Rawhide Ditch 8 Request – Update Given

e. Bellwood Ditch 4 Flood Damage – Update Given

f. Wanahoo Basin Investigation for Damange

Meduna made the motion, seconded by Olson, to hire Houston Engineering to inspect the Wanahoo Dam basin for damage at the quoted price of $6,988. Motion carried all members present voting aye.

g. No-Till Grass Drill

Tonnie made the motion, seconded by Seier, to authorize staff to write a NET grant to purchase a new no-till grass drill in 2025 at an estimated cost of $50,000. Motion carried all members present voting aye.

4. ROCK AND JETTY - None

5. LAKE WANAHOO

a. Lake Wanahoo Permit Sales - Update Given

b. Lake Wanahoo Camping Revenue – Update Given

c. Lake Wanahoo Camping – Update Given

d. Lake Wanahoo Camera Purchase

Saalfeld made the motion, seconded by Lawrence, to purchase PTZ camera from diode Technologies not to exceed $5,145 with the 5-year license. Motion carried on consent agenda.

e. Clint Johannes Education Building Rentals – Update Given

6. INFORMATION & EDUCATION

a. Information

1. Radio and Digital Ads – Update Given

2. Analytics – Update Given

3. County Fair Recap – Update Given

b. Education – None

7. RURAL WATER SYSTEMS

a. Rural Water Operations

Olson made the motion, seconded by Johson, J., to approve $12,570 software and meter reading hardware upgrade as presented by Municipal Supply. Motion carried all members present voting aye.

b. Colon – Update Given

c. Bruno – Update Given

8. Budget Review – Update Given

Saalfeld made the motion, seconded by Lawrence, that the August LPNNRD Operations Committee Minutes be received and placed on file. Motion carried on consent agenda.

C. WATER COMMITTEE REPORT

1. UNFINISHED BUSINESS – NONE

2. REGULATORY

a. GROUNDWATER MANGEMENT AREA

1. Variance Request in Hydrologically Connected Area (Limited Development Area)–Update Given

2. Variance Request in the Non-Hydrologically Connected Area (Normal Development Area) Update Given

3. Variance Request in the Restricted Development Areas – Update Given

4. Well Permit Program - Update Given

a. Well Permits Application

Birkel made the motion, seconded by Lawrence, to approve the well permit for Judy Zimmerman for the NE-NE-S36-16N-1E, Butler County for irrigation management efficiency by no increase in irrigated acres. Motion carried all members present voting aye.

5. Groundwater Management Plan

Hilger made the motion, seconded by McKnight, to approve and authorize the Chair to sign the contract with LRE for the GWMP Scope Update for $35,000. Motion carried all members present voting aye.

6. Nitrate Assessment Project – Update Given

7. Cost-Share Programs

a. Irrigation Well Sample Kits – Update Given

8. Bellwood Phase 2 Area – Update Given

9. Richland – Schuyler Phase 3 Areas – Update Given

10. Voluntary IMP - Update Given

b. Chemigation – Update Given

c. Ground Water Sampling – Update Given

d. Domestic Well Water Treatment Policy – Update Given

3. GROUND WATER PROGRAMS

a. Decommissioned Well Program

1. Well Estimates – Update Given

2. Plugged Wells - None

b. LOWER PLATTE NORTH NRD GROUND WATER STUDIES

1. Phase Area Update

Hilger made the motion, seconded by Saalfeld, to approve payment for the flow meter cost share invoices for Oehlrich Farms - $3,000; Keith Novak - $1,000; A&M Farms LLC - $1,000; Melivn Bailey - $6,000; RDC Farms - $13,000; Larry Kohler - $2,000; Gary Wachel - $1,000; John Healy - $1,000 for a total of $28,000. Motion carried.

AYE: Birkel, Goldsberry, Hilger, Johnson, J., Lawrence, Meduna, McKnight, Olson, Saalfeld, Sabatka, Saeger, Seier, Tonnies, Yosten, Thompson

ABSTAIN: Bailey

2. Nitrogen Variable Rate Demonstration Project - Update Given

3. GMDA - Update Given

4. Lower Platte River Consortium – Update Given

c. Budget - Update Given

4. SURFACE WATER PROGRAMS – Update Given

a. State Lakes – Update Given

b. Stream Gages and Groundwater Gage - Update Given

5. OTHER

a. Comments from the Public – None

Saalfeld made the motion, seconded by Lawrence, that the August July LPNNRD Water Committee Minutes be received and placed on file. Motion carried on consent agenda.

D. PROJECTS COMMITTEE REPORT

1. UNFINISHED BUSINESS – NONE

2. SWCP

a. Application Approvals

Saalfeld made the motion, seconded by Lawrence, to approve four listed SWCP applications for FY25 totaling $47,735.50. Motion carried on consent agenda.

b. SWCP Payments - None

c. SWCP Cancellations – None

d. Wahoo Creek Approvals – None

3. JOINT WATER MANAGEMENT ADVISORY BOARD

a. East Fremont/Elkhorn Township Drainage – FEMA – HMPG – Update Given

b. West Fremont – FEMA BRIC – Update Given

c. Rawhide Creek Watershed NRCSA WFPO – Update Given

d. North Bend Drainage District - Update Given

e. Cotterell Diking and Drainage District – Update Given

f. Camera and Stage Agreement – Update Given

4. SHELL CREEK WATERSHEDS

a. Shell Creek Implementation – 319 and NET

Bailey made the motion, seconded by Seier, to approve a $100 residential irrigation reduction rebate program within the Shell Creek Watershed. Motion carried all members present voting aye.

1. Septic System Upgrade Payment Approval

Saalfeld made the motion, seconded by Lawrence to approve septic system upgrade payment to Jesse Labenz $11,108.01 and Mike Dvorak for $8,131.05. Motion carried on consent agenda.

2. Septic System Upgrade Application

Saalfeld made the motion, seconded by Lawrence, to approve septic system upgrade cost-share application to Dawn Schulz for $5,500. Motion carried on consent agenda.

5. WAHOO CREEK WATERSHED

a. Dam Site Planning Update – Update Given

1. **Olsson Design - Update Given**

Saeger made the motion, seconded by Lawrence, to advertise for construction bid package for 26A, 26B and 27 pending review by Legal Counsel and Chair Thompson. Motion carried all members present voting aye.

2. **Real Estate – Olsson and Great Plains Appraisal - Update Given**

3. **Funding NRCS WFPO & NeDNR JEDI – Update Given**

b. Water Quality – NWQI & 319 – Update Given

6. SKULL CREEK WATERSHED

a. Landowner Assistance

Bailey made the motion, seconded by Tonnies, to assist Steve Beyers up to $4,500 for Skull Creek bank restoration after he obtains COE permitting clearance. Motion carried.

AYE: Bailey, Goldsberry, Hilger, Johnson, J., Meduna, McKnight, Olson, Saalfeld, Sabatka, Saeger, Seier, Tonnies, Yosten, Thompson

NAY: Birkel, Lawrence

6. LOWER PLATTE RIVER CORRIDOR ALLAINCE – Update Given

7. CENTRAL CUTOFF DITCH

Saalfeld made the motion, seconded by Tonnies, that the NRD commit $60,000 to assist North Bend Drainage District with the Central Cut-Off Ditch repair from damages received during the 2019 flood. Motion carried all members present voting aye.

8. LOWER PLATTE RIVER COORIDOR ALLIANCE – Update Given

9. HAZARD MITIGATION PLAN - Update Given

10. OTHER

Tonnies made the motion, seconded by Saeger, that the NRD assist the Loess Hills RC&D up to $5,000 for their household hazardous waste collection. Motion carried all members present voting aye.

Saalfeld made the motion, seconded by Lawrence, that the August LPNNRD Projects Committee Minutes be received and placed on file. Motion carried on consent agenda.

7. ADDITIONAL ACTION ITEMS

7a. Wachiska Audubon Society

Sabatka, made the motion, seconded by Seier, that the NRD support the Wachiska Audubon Society NET grant and pledge $1,000 for three years beginning July 1, 2025. Motion carried.

AYE: Bailey, Birkel, Goldsberry, Hilger, Johnson, J., Lawrence, Meduna, McKnight, Olson, Saalfeld, Sabatka, Saeger, Seier, Tonnies, Thompson

NAY: Yosten

7b. **Hwy. 77/109 Round About**
Lawrence made the motion, seconded by Bailey, to authorize Chair Thompson to sign the interlocal agreement between the City of Wahoo, Windstream and NRD for Hwy 77/109 Intersection Project. Motion carried all members present voting aye.

8. BILLS TO BE APPROVED
Sabatka made the motion, seconded by Johnson, J., that all bills be approved, and warrants be drawn in payment of the same. Motion carried all members present voting aye.

9. CONSENT AGENDA ADOPTION
Saalfeld made the motion, seconded by Lawrence, to approve the amended August Consent Agenda by removing item 6.B.3.f. Motion carried all members present voting aye.

10. COMMENTS FROM DIRECTORS/GUESTS
McKnight made the motion, seconded by Goldsberry, to authorize Chair Thompson to sign the Petition for Annexation with Patricia A. Hoffman and City of Wahoo. Motion carried on all members present voting aye.

11. MEETING ESTABLISHMENT AND ADJOURNMENT
The September Board of Directors Meeting will be held on Monday, September 9, 2024, 6:00 p.m. Meeting adjourned at 8:48 p.m.

Discussion on all agenda items that have "Update Given" can be found in corresponding Committee Minutes.

The undersigned, the duly elected and acting Secretary of the Lower Platte North Natural Resources District (the "District"), hereby certifies that the foregoing is a true and correct copy of the minutes of the Meeting of the Board of Directors of the District held on August 12, 2024, that all of the matters and subjects discussed at the meeting were contained in the agenda for the meeting, kept continually current and readily available for public inspection at the principal office of the District during normal business hours, and except for items of emergency nature, the agenda was not altered later than twenty-four (24) hours before the scheduled commencement of the meeting; that at least one copy of all reproducible material discussed at the meeting was available at the meeting for examination and copying by members of the public; that the above minutes were in written form and available for public inspection within ten working days or prior to the next convened meeting, whichever occurred earlier; and, that reasonable efforts were made to provide all news media requesting notification of the meeting and of the time and place of said meeting and the subjects to be discussed at said meeting.

_____
Robert Meduna Jr., Secretary

LOWER PLATTE NORTH NRD MINUTES
BOARD MEETING
August 12, 2024

The regular monthly meeting of the Lower Platte North NRD Board of Directors was called to order at 6:00 p.m. at the Lower Platte North NRD Office, Wahoo NE on Monday, August 12, 2024.

1. NOTICE OF MEETING

The agenda and supporting documents are available on the district's website – www.lpnnrd.org. A copy of the Nebraska Open Meetings Law has been posted on the NRD's website.

The advanced notice of our August 12, 2024, board meeting was posted on the Lower Platte North NRD website and posted in the Wahoo Newspaper on August 2, 2024.

Chair Thompson informed those present that a copy of the "Open Meetings Act" is posted for public viewing.

Pledge of Allegiance

2. ROLL CALL - INTRODUCTIONS

DIRECTORS PRESENT AND CONSTITUTING A QUORUM:

Bailey	Birkel	Goldsberry
Hilger	Johnson, Jerry	Lawrence
Meduna	McKnight	Olson
Saalfeld	Sabatka	Saeger
Seier	Tonnies	Yosten
Thompson		

DIRECTORS ABSENT

Engel (Zoom)	Johnson, Duane (Zoom)

STAFF AND GUESTS:

Gottschalk	Breunig	Chapman
Heimann	Elliott (Zoom)	Lausterer (Zoom)
Sabatka (Zoom)	Travis Hazard	Matt Pillard
Bryan Shupe	Andrew Phillips (Zoom)	Tim Knott (Zoom)
Mark Brohman (Zoom)	Beethe	

3. APPROVAL OF AGENDA

4. COMMENTS - ADVISORS/GUESTS/DIRECTORS

a. Guest Comments

b. NRCS Report

Bryan Shupe reviewed the NRCS monthly report.

c. NARD Report

Hilger gave the NARD report.

d. NRC Report - None

e. Manager Report

Manager Gottschalk gave his report.

f. Education Program
Travis Hazard with Hazard Engineering presented the two proposed alternatives for Cottonwood 21A project.

5. APPROVAL OF MINUTES
Saalfeld made the motion, seconded by Lawrence, to approve the minutes from the July 8, 2024, Board Meeting. Motion carried on consent agenda.

6. REPORT OF STANDING COMMITTEES
A. EXECUTIVE COMMITTEE REPORT
1. UNFINISHED BUSINESS - None

2. Meetings
a. Pending
1. NARD Fall Conference – Update Given

b. Reports – None

3. Management Items
a. Director Absences
Saalfeld made the motion, seconded by Lawrence, to approve Directors Yosten (April – Dr. Appointment) and Saeger (June – zoom) absences. Motion carried on consent agenda.

b. Monthly Education Program – Update Given

c. New Office Update – Update Given

d. July 30th Meeting with the Governor – Update Given

4. Equipment – None

5. Personnel
a. Brueggemann Leave– Update Given

b. Assistant Water Manager Position – Update Given

6. Finance
a. Approval of Financial Reports
Attached to the Executive Minutes is the Draft June Financial Report.

b. Approval of Managers Expenses
Saalfeld made the motion, seconded by Lawrence, to approve Manager Gottschalk's time and expense sheets as attached to the Executive Committee Minutes. Motion carried on consent agenda.

c. Accounts Over 90 Days - Update Given

d. Review of FY2025 Budget

Saalfeld made the motion, seconded by Johnson, Jerry, to approve the Fiscal Year 2025 budget with total expenditures of $14,085,234. Motion carried all members present voting aye.

Saalfeld made the motion, seconded by Lawrence, that the August LPNNRD Executive Committee Minutes be received and placed on file. Motion carried on consent agenda.

B. OPERATIONS COMMITTEE REPORT

1. UNFINISHED BUSIINESS – None

2. WILD NE AND OTHER PROGRAMS – Update Given

3. OPERATION AND MAINTENANCE & OTHER ITEMS

a. Rehabilitation of Cottonwood 21-A – NRCS – Update Given

b. FEMA/NEMA Flood Damage - Update Given

c. Clear Creek Levee & Tie Back Levee Elevations – Update Given

d. Rawhide Ditch 8 Request – Update Given

e. Bellwood Ditch 4 Flood Damage – Update Given

f. Wanahoo Basin Investigation for Damange

Meduna made the motion, seconded by Olson, to hire Houston Engineering to inspect the Wanahoo Dam basin for damage at the quoted price of $6,988. Motion carried all members present voting aye.

g. No-Till Grass Drill

Tonnie made the motion, seconded by Seier, to authorize staff to write a NET grant to purchase a new no-till grass drill in 2025 at an estimated cost of $50,000. Motion carried all members present voting aye.

4. ROCK AND JETTY - None

5. LAKE WANAHOO

a. Lake Wanahoo Permit Sales - Update Given

b. Lake Wanahoo Camping Revenue – Update Given

c. Lake Wanahoo Camping – Update Given

d. Lake Wanahoo Camera Purchase

Saalfeld made the motion, seconded by Lawrence, to purchase PTZ camera from diode Technologies not to exceed $5,145 with the 5-year license. Motion carried on consent agenda.

e. Clint Johannes Education Building Rentals – Update Given

6. INFORMATION & EDUCATION

a. Information

1. Radio and Digital Ads – Update Given

2. Analytics – Update Given

3. County Fair Recap – Update Given

b. Education – None

7. RURAL WATER SYSTEMS

a. Rural Water Operations

Olson made the motion, seconded by Johson, J., to approve $12,570 software and meter reading hardware upgrade as presented by Municipal Supply. Motion carried all members present voting aye.

b. Colon – Update Given

c. Bruno – Update Given

8. Budget Review – Update Given

Saalfeld made the motion, seconded by Lawrence, that the August LPNNRD Operations Committee Minutes be received and placed on file. Motion carried on consent agenda.

C. WATER COMMITTEE REPORT

1. UNFINISHED BUSINESS – NONE

2. REGULATORY

a. GROUNDWATER MANGEMENT AREA

1. Variance Request in Hydrologically Connected Area (Limited Development Area)–Update Given

2. Variance Request in the Non-Hydrologically Connected Area (Normal Development Area) Update Given

3. Variance Request in the Restricted Development Areas – Update Given

4. Well Permit Program - Update Given

a. Well Permits Application

Birkel made the motion, seconded by Lawrence, to approve the well permit for Judy Zimmerman for the NE-NE-S36-16N-1E, Butler County for irrigation management efficiency by no increase in irrigated acres. Motion carried all members present voting aye.

5. Groundwater Management Plan

Hilger made the motion, seconded by McKnight, to approve and authorize the Chair to sign the contract with LRE for the GWMP Scope Update for $35,000. Motion carried all members present voting aye.

6. Nitrate Assessment Project – Update Given

7. Cost-Share Programs

a. Irrigation Well Sample Kits – Update Given

8. Bellwood Phase 2 Area – Update Given

9. Richland – Schuyler Phase 3 Areas – Update Given

10. Voluntary IMP - Update Given

b. Chemigation – Update Given

c. Ground Water Sampling – Update Given

d. Domestic Well Water Treatment Policy – Update Given

3. GROUND WATER PROGRAMS

a. Decommissioned Well Program

1. Well Estimates – Update Given

2. Plugged Wells - None

b. LOWER PLATTE NORTH NRD GROUND WATER STUDIES

1. Phase Area Update

Hilger made the motion, seconded by Saalfeld, to approve payment for the flow meter cost share invoices for Oehlrich Farms - $3,000; Keith Novak - $1,000; A&M Farms LLC - $1,000; Melivn Bailey - $6,000; RDC Farms - $13,000; Larry Kohler - $2,000; Gary Wachel - $1,000; John Healy - $1,000 for a total of $28,000. Motion carried.

AYE: Birkel, Goldsberry, Hilger, Johnson, J., Lawrence, Meduna, McKnight, Olson, Saalfeld, Sabatka, Saeger, Seier, Tonnies, Yosten, Thompson

ABSTAIN: Bailey

2. Nitrogen Variable Rate Demonstration Project - Update Given

3. GMDA - Update Given

4. Lower Platte River Consortium – Update Given

c. Budget - Update Given

4. SURFACE WATER PROGRAMS – Update Given

a. State Lakes – Update Given

b. Stream Gages and Groundwater Gage - Update Given

5. OTHER

a. Comments from the Public – None

Saalfeld made the motion, seconded by Lawrence, that the August July LPNNRD Water Committee Minutes be received and placed on file. Motion carried on consent agenda.

D. PROJECTS COMMITTEE REPORT

1. UNFINISHED BUSINESS – NONE

2. SWCP

a. Application Approvals

Saalfeld made the motion, seconded by Lawrence, to approve four listed SWCP applications for FY25 totaling $47,735.50. Motion carried on consent agenda.

b. SWCP Payments - None

c. SWCP Cancellations – None

d. Wahoo Creek Approvals – None

3. JOINT WATER MANAGEMENT ADVISORY BOARD

a. East Fremont/Elkhorn Township Drainage – FEMA – HMPG – Update Given

b. West Fremont – FEMA BRIC – Update Given

c. Rawhide Creek Watershed NRCSA WFPO – Update Given

d. North Bend Drainage District - Update Given

e. Cotterell Diking and Drainage District – Update Given

f. Camera and Stage Agreement – Update Given

4. SHELL CREEK WATERSHEDS

a. Shell Creek Implementation – 319 and NET

Bailey made the motion, seconded by Seier, to approve a $100 residential irrigation reduction rebate program within the Shell Creek Watershed. Motion carried all members present voting aye.

1. Septic System Upgrade Payment Approval

Saalfeld made the motion, seconded by Lawrence to approve septic system upgrade payment to Jesse Labenz $11,108.01 and Mike Dvorak for $8,131.05. Motion carried on consent agenda.

2. Septic System Upgrade Application

Saalfeld made the motion, seconded by Lawrence, to approve septic system upgrade cost-share application to Dawn Schulz for $5,500. Motion carried on consent agenda.

5. WAHOO CREEK WATERSHED

a. Dam Site Planning Update – Update Given

1. **Olsson Design - Update Given**

Saeger made the motion, seconded by Lawrence, to advertise for construction bid package for 26A, 26B and 27 pending review by Legal Counsel and Chair Thompson. Motion carried all members present voting aye.

2. **Real Estate – Olsson and Great Plains Appraisal - Update Given**

3. **Funding NRCS WFPO & NeDNR JEDI – Update Given**

b. Water Quality – NWQI & 319 – Update Given

6. SKULL CREEK WATERSHED

a. Landowner Assistance

Bailey made the motion, seconded by Tonnies, to assist Steve Beyers up to $4,500 for Skull Creek bank restoration after he obtains COE permitting clearance. Motion carried.

AYE: Bailey, Goldsberry, Hilger, Johnson, J., Meduna, McKnight, Olson, Saalfeld, Sabatka, Saeger, Seier, Tonnies, Yosten, Thompson

NAY: Birkel, Lawrence

6. LOWER PLATTE RIVER CORRIDOR ALLAINCE – Update Given

7. CENTRAL CUTOFF DITCH

Saalfeld made the motion, seconded by Tonnies, that the NRD commit $60,000 to assist North Bend Drainage District with the Central Cut-Off Ditch repair from damages received during the 2019 flood. Motion carried all members present voting aye.

8. LOWER PLATTE RIVER COORIDOR ALLIANCE – Update Given

9. HAZARD MITIGATION PLAN - Update Given

10. OTHER

Tonnies made the motion, seconded by Saeger, that the NRD assist the Loess Hills RC&D up to $5,000 for their household hazardous waste collection. Motion carried all members present voting aye.

Saalfeld made the motion, seconded by Lawrence, that the August LPNNRD Projects Committee Minutes be received and placed on file. Motion carried on consent agenda.

7. ADDITIONAL ACTION ITEMS

7a. Wachiska Audubon Society

Sabatka, made the motion, seconded by Seier, that the NRD support the Wachiska Audubon Society NET grant and pledge $1,000 for three years beginning July 1, 2025. Motion carried.

AYE: Bailey, Birkel, Goldsberry, Hilger, Johnson, J., Lawrence, Meduna, McKnight, Olson, Saalfeld, Sabatka, Saeger, Seier, Tonnies, Thompson

NAY: Yosten

7b. **Hwy. 77/109 Round About**
Lawrence made the motion, seconded by Bailey, to authorize Chair Thompson to sign the interlocal agreement between the City of Wahoo, Windstream and NRD for Hwy 77/109 Intersection Project. Motion carried all members present voting aye.

8. BILLS TO BE APPROVED
Sabatka made the motion, seconded by Johnson, J., that all bills be approved, and warrants be drawn in payment of the same. Motion carried all members present voting aye.

9. CONSENT AGENDA ADOPTION
Saalfeld made the motion, seconded by Lawrence, to approve the amended August Consent Agenda by removing item 6.B.3.f. Motion carried all members present voting aye.

10. COMMENTS FROM DIRECTORS/GUESTS
McKnight made the motion, seconded by Goldsberry, to authorize Chair Thompson to sign the Petition for Annexation with Patricia A. Hoffman and City of Wahoo. Motion carried on all members present voting aye.

11. MEETING ESTABLISHMENT AND ADJOURNMENT
The September Board of Directors Meeting will be held on Monday, September 9, 2024, 6:00 p.m. Meeting adjourned at 8:48 p.m.

Discussion on all agenda items that have "Update Given" can be found in corresponding Committee Minutes.

The undersigned, the duly elected and acting Secretary of the Lower Platte North Natural Resources District (the "District"), hereby certifies that the foregoing is a true and correct copy of the minutes of the Meeting of the Board of Directors of the District held on August 12, 2024, that all of the matters and subjects discussed at the meeting were contained in the agenda for the meeting, kept continually current and readily available for public inspection at the principal office of the District during normal business hours, and except for items of emergency nature, the agenda was not altered later than twenty-four (24) hours before the scheduled commencement of the meeting; that at least one copy of all reproducible material discussed at the meeting was available at the meeting for examination and copying by members of the public; that the above minutes were in written form and available for public inspection within ten working days or prior to the next convened meeting, whichever occurred earlier; and, that reasonable efforts were made to provide all news media requesting notification of the meeting and of the time and place of said meeting and the subjects to be discussed at said meeting.

_____
Robert Meduna Jr., Secretary

Nebraska's Natural Resources Districts
www.nrdnet.org
Protecting Lives • Protecting Property • Protecting the Future

NRD Annual Conference
Sept. 22-24, 2024 | Younes Conference Center - South, Kearney
Register prior to Sept. 3, 2024, using this form or register online with payment option at www.nrdnet.org/events

Agency/Business Name _____

Address _____ City, State, Zip _____

Primary Contact _____ E-mail _____

Phone _____ Fax _____

Full Registration	***Number of People***	***Amount***	***Sub-Total***
FULL REGISTRATION (Sept 23-24) (Registration Fee Includes – Monday and Tuesday meeting sessions, Monday Awards Luncheon, Reception and Banquet, Tuesday Luncheon, and Breaks)	_____	x $340=	$_____
Full Monday Registration **MONDAY ONLY (Sept 23)** (Registration Fee Includes – Monday meeting sessions, Awards Luncheon, Reception, Banquet, and Breaks)	_____	x $265 =	$_____
Special Monday Meeting Registration **SPECIAL MONDAY ONLY: 8:30 am – 4:30 pm (Sept 23)** (Registration Fee Includes – Monday meeting sessions, Awards Luncheon, and Breaks)	_____	x $ 175 =	$_____
Tuesday Registration **TUESDAY ONLY (Sept 24)** (Registration Fee Includes – Tuesday meeting sessions, Luncheon and Break)	_____	x $175 =	$_____
EXTRA MEALS			
Monday Luncheon (Sept 23)	_____	x $ 51 =	$_____
Monday Banquet (Sept 23)	_____	x $ 92 =	$_____
Tuesday Luncheon (Sept 24)	_____	x $ 51 =	$_____
		Total Enclosed	**$ _____**

Please list names, titles and registration selection of individual conference attendees below.

Return to: NARD 8100 S. 15th St. Ste B Lincoln, NE 68512, prior to September 3, 2024.

Cancellation Policy *– Refunds must be in writing and will be accepted with a full refund until 5 p.m. Monday, Sept. 3, 2024.*
A $25 processing fee will be charged for cancellations received between Sept. 4-12, 2024.
No refunds for cancellations received after Sept. 12, 2024.

Name	*Title*	*Full Reg $340*	*Monday Only $265*	*Special Monday $175*	*Tues Only $175*	*X-Monday Lunch Ticket $51*	*X-Monday Banquet Ticket $92*	*X- Tuesday Lunch Ticket $51*

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NRDs 2024 Annual Conference
Tentative Schedule of Events

Nebraska's Natural Resources Districts
www.nrdnet.org
Protecting Lives • Protecting Property • Protecting the Future

Sunday, September 22nd

11 a.m. to 6 p.m.	NARD Foundation Ron Bishop Memorial Golf Tournament Kearney Country Club, 2800 19th Ave, Kearney
6-8 p.m.	Pre-Registration, Younes Conference Center – South
7-11 p.m.	NARD President's Reception, compliments of conference vendors Younes Conference Center, Diamond 7-8

Monday, Sept. 23rd, Younes Conference Center – South

7:30 a.m.	Registration open – Visit vendor exhibit booths in the Ballroom.
8:30 a.m.	Opening Remarks from NARD President Martin Graff and agency director remarks.
9:30-10:30 a.m.	General Session
9:30 a.m. to 4 p.m.	NRD Administrator's Committee Meeting
10:45-11:45 a.m.	Breakout Sessions (to be announced)
Noon to 1:30 p.m.	NARD Conservation Awards Luncheon
1:45-2:45 p.m.	Breakout Sessions (to be announced)
3-4:30 p.m.	Business Session
3:15-4:15 p.m.	Breakout Sessions (to be announced)
4:30-6 p.m.	Vendor Reception
6 p.m.	Banquet – Induction into NARD Hall of Fame
Following Banquet	NARD Foundation Silent Auction

Tuesday, Sept. 24th, Younes Conference Center – South

7:45-9:15 a.m.	NRD Basin Meetings
8 a.m.	Registration open. Visit vendor exhibit booths in the Ballroom.
9:30-10:30 a.m.	Breakout Sessions (to be announced)
10:45-11:45 a.m.	Breakout Sessions (to be announced)
Noon to 1:30 p.m.	Luncheon – Years of Service recognized, followed by raffle drawing.
1:30 p.m.	Business Session

3 p.m. or immediately following the Business Session – NARD Board of Directors Meeting

NARD Fall Conference
September 22-24, 2024

Name	Registration	Sunday	Monday
Ryan Chapman	Full Registration	x	x
Daryl Andersen	Full Registration	x	x
Adam Brockmann	Full Registration	x	x
Jacob Stover	Full Registration		X
Eric Gottschalk	Full Registration	X	X
Sean Elliott	Full Registration	x	x
Jill Breunig	Monday Only		
Bob Hilger	Full Registration	x	x
Jerry Johnson	Full Registration	X	X
Thomas McKnight	Full Registration	x	x
If you are not going to use your room on Sunday night it is your responsibilty to cancel it. If you are staying at the Hampton Inn the number is 308-234-3400. The Hampton has a 24 hour cancellation policy. All rooms are setup for Direct Bill. Please let me know if you have any questions. Thanks - Jill			

2024 Director Absences
* Approved Absence

January	February	March	April	May	June
Kavan		Saalfeld	Johnson, D. *	Bailey	Bailey
			McKnight*^	Lawrence^	Engel
			Olson	Yosten	Hilger^
			Saalfeld		Johnson, D.
			Tonnies*^		Meduna
			Yosten*		Saeger^*
					Yosten

July	August	September	October	November	December
Sabatka	Engel^				
	Johnson, D.^				
March Declared Zoom Mtg					
^ Zoom Attendance					

2023 Director Absences
* Approved Absence

January	February	March	April	May	June
Saalfeld*	Saalfeld	Olson	Bailey ^	Engel	Meduna
	Saeger *		Birkel	Johnson, D.	Sabatka
	Seier		Seier ^	Kavan	Saeger
				Meduna	
				Sabatka	

July	August	September	October	November	December
Meduna*	Bailey	Johnson, D.	Bailey	Johnson, D.	Goldsberry
McKnight ~*	Birkel	Meduna	Johnson, D.		Kavan
Tonnies	Engel	McKnight #	Kavan		Lawrence
Yosten	Kavan	Olson	Olson #		Thompson
			Yosten		Yosten

^ Bailey and Seier were attending Shell Creek Group Tour

~ McKnight attending GMDA Meeting

Participated via Zoom

Sabatka

REQUEST FOR EXCUSE OF ABSENCE FROM MEETING (LB 569, 1985 LEGISLATURE)

Chairman, Board of Directors
Lower Platte North NRD
PO Box 126
Wahoo, NE 68066

I hereby request that the Board of Directors excuse my absence at the Regular Meeting of the Board scheduled on 8th day of July, 2024, for the following reason:

Made my kids happy and took them on vacation

Dated this 12 day of August, 24.

Board Member
Lower Platte North NRD

AIA® Document G702® – 1992

Application and Certificate for Payment

TO OWNER:	Lower Platte North Natural Resources District 511 Commercial Park Rd PO Box 126 Wahoo, NE 68066	**PROJECT:**	Lower Platte North NRD Office Building	**APPLICATION NO:** 005 **PERIOD TO:** August 31, 2024	**Distribution to:** OWNER: ☒ ARCHITECT: ☒
FROM CONTRACTOR:	Scheele-Kayton Construction, LLC 5900 S 58th St, Suite D Lincoln, NE 68516	**VIA ARCHITECT:**	JEO Architecture, Inc 2000 Q St #500 Lincoln, NE 68503	**CONTRACT FOR:** General Construction **CONTRACT DATE:** April 20, 2024 **PROJECT NOS:** / /	CONTRACTOR: ☐ FIELD: ☐ OTHER : ☐

CONTRACTOR'S APPLICATION FOR PAYMENT

Application is made for payment, as shown below, in connection with the Contract.
AIA Document G703®, Continuation Sheet, is attached.

1. ORIGINAL CONTRACT SUM		$5,519,000.00
2. NET CHANGE BY CHANGE ORDERS		$0.00
3. CONTRACT SUM TO DATE (Line 1 ± 2)		$5,519,000.00
4. TOTAL COMPLETED & STORED TO DATE (Column G on G703)		$977,855.00
5. RETAINAGE:		
a. 10.00 % of Completed Work (Column D + E on G703)	$97,785.50	
b. 10.00 % of Stored Material (Column F on G703)	$0.00	
Total Retainage (Lines 5a + 5b or Total in Column I of G703)		$97,785.50
6. TOTAL EARNED LESS RETAINAGE (Line 4 Less Line 5 Total)		$880,069.50
7. LESS PREVIOUS CERTIFICATES FOR PAYMENT (Line 6 from prior Certificate)		$604,343.25
8. CURRENT PAYMENT DUE		$275,726.25
9. BALANCE TO FINISH, INCLUDING RETAINAGE (Line 3 less Line 6)	$4,638,930.50	

CHANGE ORDER SUMMARY	ADDITIONS	DEDUCTIONS
Total changes approved in previous months by Owner	$0.00	$0.00
Total approved this Month	$0.00	$0.00
TOTALS	$0.00	$0.00
NET CHANGES by Change Order		$0.00

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the Work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for Work for which previous Certificates for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

CONTRACTOR:

By: _____ Date: August 27, 2024

State of: Nebraska

County of: Lancaster

Subscribed and sworn to before me this 27th day of August 2024

GENERAL NOTARY - State of Nebraska
KENDYL HINTZ
My Comm. Exp. June 22, 2026

Notary Public: Kendyl Hintz

My Commission expires: June 22, 2026

ARCHITECT'S CERTIFICATE FOR PAYMENT

In accordance with the Contract Documents, based on on-site observations and the data comprising this application, the Architect certifies to the Owner that to the best of the Architect's knowledge, information and belief the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the AMOUNT CERTIFIED.

AMOUNT CERTIFIED $275,726.25

(Attach explanation if amount certified differs from the amount applied. Initial all figures on this Application and on the Continuation Sheet that are changed to conform with the amount certified.)

ARCHITECT:

By: _____ Date: August 28, 2024

This Certificate is not negotiable. The AMOUNT CERTIFIED is payable only to the Contractor named herein. Issuance, payment and acceptance of payment are without prejudice to any rights of the Owner or Contractor under this Contract.

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AIA® Document G703® – 1992

Continuation Sheet

AIA Document G702®, Application and Certification for Payment, or G732™, Application and Certificate for Payment, Construction Manager as Adviser Edition, containing Contractor's signed certification is attached.
Use Column I on Contracts where variable retainage for line items may apply.

APPLICATION NO:	005
APPLICATION DATE:	August 28, 2024
PERIOD TO:	August 31, 2024
ARCHITECT'S PROJECT NO:	

A	B	C	D	E	F	G		H	I
ITEM NO.	DESCRIPTION OF WORK	SCHEDULED VALUE	WORK COMPLETED FROM PREVIOUS APPLICATION (D + E)	WORK COMPLETED THIS PERIOD	MATERIALS PRESENTLY STORED (NOT IN D OR E)	TOTAL COMPLETED AND STORED TO DATE (D + E + F)	% (G÷C)	BALANCE TO FINISH (C - G)	RETAINAGE (IF VARIABLE RATE)
001	General Conditions	458,215.00	109,803.00	31,673.00	0.00	141,476.00	30.88%	316,739.00	14,147.60
005	Owner Testing Allowance	27,500.00	6,963.50	4,489.00	0.00	11,452.50	41.65%	16,047.50	1,145.25
010	Surveying	7,800.00	325.00	1,462.50	0.00	1,787.50	22.92%	6,012.50	178.75
015	Footings and Foundation Walls	329,890.00	59,500.00	250,390.00	0.00	309,890.00	93.94%	20,000.00	30,989.00
020	Building Floor Slabs	107,832.00	0.00	0.00	0.00	0.00	0.00%	107,832.00	0.00
025	Site Paving	245,144.00	0.00	0.00	0.00	0.00	0.00%	245,144.00	0.00
030	Concrete Floor Finishes	4,150.00	0.00	0.00	0.00	0.00	0.00%	4,150.00	0.00
035	Reinforcing	81,992.00	81,992.00	0.00	0.00	81,992.00	100.00%	0.00	8,199.20
040	Stone Masonry Veneer	136,667.00	0.00	0.00	0.00	0.00	0.00%	136,667.00	0.00
045	Cast Stone Masonry	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00
050	Structural Steel Supply	186,603.00	23,903.00	0.00	0.00	23,903.00	12.81%	162,700.00	2,390.30
055	Structural Steel Erection	71,903.00	0.00	0.00	0.00	0.00	0.00%	71,903.00	0.00
060	Framing Labor	74,200.00	0.00	0.00	0.00	0.00	0.00%	74,200.00	0.00
065	Shop Fabricated Wood Trusses	116,783.00	0.00	0.00	0.00	0.00	0.00%	116,783.00	0.00
070	Glu-Laminated Construction	61,650.00	0.00	9,450.00	0.00	9,450.00	15.33%	52,200.00	945.00
075	Thermal Insulation	37,550.00	0.00	0.00	0.00	0.00	0.00%	37,550.00	0.00
080	Weather Barriers	78,638.00	0.00	0.00	0.00	0.00	0.00%	78,638.00	0.00
085	Joint Sealants	14,868.00	0.00	0.00	0.00	0.00	0.00%	14,868.00	0.00
090	Siding	55,746.00	0.00	0.00	0.00	0.00	0.00%	55,746.00	0.00
095	Fascia & Soffit	5,312.00	0.00	0.00	0.00	0.00	0.00%	5,312.00	0.00
100	Roofing	59,294.00	0.00	0.00	0.00	0.00	0.00%	59,294.00	0.00
105	Gutters & Downspouts	8,976.00	0.00	0.00	0.00	0.00	0.00%	8,976.00	0.00
110	Drywall | FRP	120,000.00	0.00	0.00	0.00	0.00	0.00%	120,000.00	0.00

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User Notes: (3B9ADABB)

A	B	C	D	E	F	G		H	I
ITEM NO.	DESCRIPTION OF WORK	SCHEDULED VALUE	WORK COMPLETED FROM PREVIOUS APPLICATION (D + E)	WORK COMPLETED THIS PERIOD	MATERIALS PRESENTLY STORED (NOT IN D OR E)	TOTAL COMPLETED AND STORED TO DATE (D + E + F)	% (G÷C)	BALANCE TO FINISH (C - G)	RETAINAGE (IF VARIABLE RATE)
115	ACT Ceilings	57,285.00	0.00	0.00	0.00	0.00	0.00%	57,285.00	0.00
120	Wood Doors | HMD | HMF	42,232.00	0.00	0.00	0.00	0.00	0.00%	42,232.00	0.00
125	Door Hardware	53,051.00	0.00	0.00	0.00	0.00	0.00%	53,051.00	0.00
130	Overhead Sectional Doors	11,804.00	0.00	0.00	0.00	0.00	0.00%	11,804.00	0.00
135	Storefronts | Windows	231,831.00	0.00	3,361.00	0.00	3,361.00	1.45%	228,470.00	336.10
140	Resilient Flooring	33,373.00	0.00	0.00	0.00	0.00	0.00%	33,373.00	0.00
145	Tile Carpeting	25,470.00	0.00	0.00	0.00	0.00	0.00%	25,470.00	0.00
150	Tiling	17,391.00	0.00	0.00	0.00	0.00	0.00%	17,391.00	0.00
155	Painting	43,639.00	0.00	0.00	0.00	0.00	0.00%	43,639.00	0.00
160	Signage | Specialties	32,951.00	0.00	0.00	0.00	0.00	0.00%	32,951.00	0.00
165	Casework | Countertops Supply	52,680.00	0.00	0.00	0.00	0.00	0.00%	52,680.00	0.00
170	Finish Carpentry	17,700.00	0.00	0.00	0.00	0.00	0.00%	17,700.00	0.00
175	Elevator	89,970.00	35,988.00	0.00	0.00	35,988.00	40.00%	53,982.00	3,598.80
180	Below Grade Plumbing Materials	314,493.00	0.00	0.00	0.00	0.00	0.00%	314,493.00	0.00
185	Below Grade Plumbing R/I	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00
190	Above Grade Plumbing Materials	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00
195	Above Grade Plumbing R/I	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00
200	Pipe Insulation	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00
205	Plumbing Fixtures & Equipment	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00
210	HVAC Testing & Balancing	373,061.00	0.00	0.00	0.00	0.00	0.00%	373,061.00	0.00
215	HVAC Equipment	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00
220	HVAC Ducts, Casings, & Accessories	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00
225	HVAC Duct Insulation	0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0.00

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230	Fire Alarm	12,850.00	0.00	0.00	0.00	0.00	0.00%	12,850.00	0.00
235	Electrical Switch Gear & Material	175,565.00	52,291.00	387.00	0.00	52,678.00	30.00%	122,887.00	5,267.80
240	Light Fixtures	141,251.00	0.00	0.00	0.00	0.00	0.00%	141,251.00	0.00
245	Wiring Devices	37,250.00	0.00	0.00	0.00	0.00	0.00%	37,250.00	0.00
250	Electrical Labor & Misc.	190,979.00	8,254.00	2,312.00	0.00	10,566.00	5.53%	180,413.00	1,056.60
255	Grading	88,473.00	59,635.00	0.00	0.00	59,635.00	67.40%	28,838.00	5,963.50
260	Erosion Control	41,120.00	11,005.00	2,838.00	0.00	13,843.00	33.66%	27,277.00	1,384.30
265	Excavation & Backfill	81,875.00	38,022.00	0.00	0.00	38,022.00	46.44%	43,853.00	3,802.20
270	Striping/Retaining Wall	28,409.00	0.00	0.00	0.00	0.00	0.00%	28,409.00	0.00
275	Site Utilities	185,000.00	126,400.00	0.00	0.00	126,400.00	68.32%	58,600.00	12,640.00
280	Performance Bond	57,411.00	57,411.00	0.00	0.00	57,411.00	100.00%	0.00	5,741.10
	GRAND TOTAL	**$4,727,827.00**	**$671,492.50**	**$306,362.50**	**$0.00**	**$977,855.00**	**20.68%**	**$3,749,972.00**	**$97,785.50**

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Thiele Geotech Inc

INVOICE

13478 Chandler Road
Omaha, Nebraska 68138-3716
402-556-2171 office / 402-556-7831 fax
www.thielegeotech.com

Project No: 01.23471.02
Project: Lower Platte North NRD Office & Storage Buildings - Materials Testing
Location: Highway 77 / 92 & County Road 17, Wahoo, NE
Project Manager: Cody Kimball

Invoice No.: 84245
Date: 8/23/2024

REMIT TO: 13478 Chandler Road
Omaha, Nebraska 68138-3716
FTIN 47-0794664
Online Payments Available at:
www.thielegeotech.com

TERMS: **Due Upon Receipt**
PAST DUE BALANCES SUBJECT TO 1.25% SERVICE CHARGE PER MONTH

Bill To: Austin Aufenkamp
Scheele-Kayton Construction
5900 South 58th Street, Suite D
Lincoln, NE 68516

Details

Sample/Location Details	Units	Description	Unit Cost	Total Cost
Work Order ID: 24-12565 Date: 8/6/2024	1.00	Special Inspector (/hr.)	$ 108.00	$ 108.00
	1.00	Trip Charge - Zone 3 (/trip)	$ 144.00	$ 144.00
Work Order ID: 24-12699 Date: 8/7/2024	1.00	Special Inspector (/hr.)	$ 108.00	$ 108.00
	1.00	Trip Charge - Zone 3 (/trip)	$ 144.00	$ 144.00
Work Order ID: 24-12901 Date: 8/8/2024	1.00	Special Inspector (/hr.)	$ 108.00	$ 108.00
	1.00	Trip Charge - Zone 3 (/trip)	$ 144.00	$ 144.00
Work Order ID: 24-13096 Date: 8/12/2024	8.00	Compressive Strength of Cylinder (ea.)	$ 25.00	$ 200.00
	2.00	Concrete Test Set (slump/air/temp/cast 4-4"x8" OR 3-6"x12" cyl)	$ 116.00	$ 232.00
	1.00	Trip Charge - Zone 1 Metro Area (/trip)	$ 84.00	$ 84.00
Work Order ID: 24-13099 Date: 8/12/2024	4.00	Compressive Strength of Cylinder (ea.)	$ 25.00	$ 100.00
	1.00	Concrete Test Set (slump/air/temp/cast 4-4"x8" OR 3-6"x12" cyl)	$ 116.00	$ 116.00
	1.00	Trip Charge - Zone 3 (/trip)	$ 144.00	$ 144.00
Work Order ID: 24-13257 Date: 8/13/2024	1.00	Trip Charge - Zone 2 (/trip)	$ 118.00	$ 118.00
Work Order ID: 24-13373 Date: 8/15/2024	1.00	Special Inspector (/hr.)	$ 108.00	$ 108.00
	1.00	Trip Charge - Zone 3 (/trip)	$ 144.00	$ 144.00
Work Order ID: 24-13471 Date: 8/19/2024	1.00	Special Inspector (/hr.)	$ 108.00	$ 108.00
	1.00	Trip Charge - Zone 3 (/trip)	$ 144.00	$ 144.00
Work Order ID: 24-13612 Date: 8/20/2024	8.00	Compressive Strength of Cylinder (ea.)	$ 25.00	$ 200.00
	2.00	Concrete Test Set (slump/air/temp/cast 4-4"x8" OR 3-6"x12" cyl)	$ 116.00	$ 232.00
	1.00	Trip Charge - Zone 3 (/trip)	$ 144.00	$ 144.00
Work Order ID: 24-13777 Date: 8/21/2024	8.00	Compressive Strength of Cylinder (ea.)	$ 25.00	$ 200.00
	2.00	Concrete Test Set (slump/air/temp/cast 4-4"x8" OR 3-6"x12" cyl)	$ 116.00	$ 232.00
	1.00	Engineering Technician (/hr.)	$ 102.00	$ 102.00
	1.00	Trip Charge - Zone 3 (/trip)	$ 144.00	$ 144.00

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Thiele Geotech Inc

INVOICE

13478 Chandler Road
Omaha, Nebraska 68138-3716
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Project No: 01.23471.02
Project: Lower Platte North NRD Office & Storage Buildings - Materials Testing
Location: Highway 77 / 92 & County Road 17, Wahoo, NE
Project Manager: Cody Kimball

Bill To: Austin Aufenkamp
Scheele-Kayton Construction
5900 South 58th Street, Suite D
Lincoln, NE 68516

Invoice No.:	**84245**
Date:	**8/23/2024**

REMIT TO: 13478 Chandler Road
Omaha, Nebraska 68138-3716
FTIN 47-0794664
Online Payments Available at:
www.thielegeotech.com

TERMS: **Due Upon Receipt**
PAST DUE BALANCES SUBJECT TO 1.25% SERVICE CHARGE PER MONTH

Details

Sample/Location Details	Units	Description	Unit Cost	Total Cost
Work Order ID: 24-14223 Date: 8/21/2024	4.50	Senior Project Engineer (/hr.)	$ 218.00	$ 981.00

Total: **$ 4,489.00**

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Introduction

The Lower Platte North Natural Resources District (LPNNRD) is one of 23 Natural Resources Districts created in 1969 with the passage of LB 1357 by the Nebraska Unicameral. Since its formation in 1972, the LPNNRD has been assisting people in the Lower Platte River Basin in the development and protection of our soil and water resources. Nebraska Statutes require that Natural Resources Districts develop a Long Range Implementation Plan. The purpose of this plan is to summarize accomplishments by LPNNRD during fiscal year 2023 (July 1, 2023 to June 30, 2024). It will show activities for the current year and the next five years. The plan serves as an implementation tool of the district's Master Plan, which is updated every ten years. This Long Range Implementation Plan was approved by the LPNNRD Board of Directors on date.

Authority and Responsibilities

The Natural Resources Districts have been given statutory responsibility outlined in Sections 2-3229, R.R.S. 1943. In this section it states that "The purposes of the Natural Resources Districts shall be to develop and execute, through the exercise of powers and authorities contained in this act, plans, facilities, works and programs relating to: (1) erosion prevention and control, (2) prevention of damages from flood water and sediment, (3) flood prevention and control, (4) soil conservation, (5) water supply for any beneficial uses, (6) development, management, utilization, and conservation of groundwater and surface water, (7) pollution control, (8) solid waste disposal and sanitary drainage, (9) drainage improvement and channel rectification, (10) development and management of fish and wildlife habitat, (11) development and management of recreational and park facilities, and (12) forestry and range management."

Description of the District

Lower Platte North NRD programs and projects are available to meet the goal of properly developing our water and related land resources.

The Lower Platte North Natural Resources District is located in the Lower Platte River Basin in eastern Nebraska and includes 1,031,000 acres of land. A portion of Saunders, Butler, Platte, Dodge, Colfax, Boone, and Madison Counties are within the district (see Appendix A), which includes twenty-eight cities, towns, and villages. Besides the Platte River, other notable tributaries in the district include: Bone Creek, Clear Creek, Duck Creek, Elm Creek, Loseke Creek, Rawhide Creek, Sand Creek, Shell Creek, Silver Creek, Skull Creek, Taylor Creek, and Wahoo Creek.

The population of the district is approximately 65,000, of which about half is rural and half urban. The Lower Platte North NRD is financed by a tax levy which may be up to four and one-half cents per $100 valuation for general purposes and another one cent for water programs. The FY 2024 tax levy is 0.025767 cents per $100 valuation.

Governing Body

The Lower Platte North Natural Resources District (LPNNRD) is governed by a 19-member Board of Directors (see Table 1). The directors are elected at the general election for a term of four years, with half of the members up for election every two years.

The district is divided into nine (9) subdistricts. Two board members are elected from each of the nine subdistricts, and one board member is elected at large every four years.

Table 1. Lower Platte North Natural Resources District Board of Directors

Sub-District 1	Lon Olson
Sub-District 1	Kelly Thompson
Sub-District 2	John Goldsberry
Sub-District 2	Bill Saeger
Sub-District 3	Dave Saalfeld
Sub-District 3	Andrew Tonnies
Sub-District 4	Chris Yosten
Sub-District 4	Matt Bailey
Sub-District 5	Mark Seier
Sub-District 5	David Lawrence
Sub-District 6	Joe Birkel
Sub-District 6	Robert Hilger
Sub-District 7	Ryan Engel
Sub-District 7	Ryan Sabatka
Sub-District 8	Jerry Johnson
Sub-District 8	Vacant
Sub-District 9	Duane Johnson
Sub-District 9	Bob Meduna Jr.
At Large	Thomas McKnight

The district operates by a set of bylaws which are kept on file at the district headquarters at Wahoo, Nebraska.

One of the great natural resources of Nebraska is the Platte River. It is the feature that attracted early settlers to our state and guided the wagon trails. Today, we look at the Platte River differently. It is a water source for agriculture and cities like Fremont, Lincoln, and Omaha, a haven for wildlife, and a place for recreation. Issues surrounding the Platte are a top priority at the LPNNRD, since approximately 72 miles of the river flow directly through, or border, the district.

Ice Jam Agreement

In 1994, the LPNNRD entered into an agreement with the Papio-Missouri River NRD, Lower Platte South NRD, and Cass, Douglas, Sarpy and Saunders Counties to more effectively deal with ice jams and their resulting flood damages along the Lower Platte River. This area of concern is primarily from Fremont, Nebraska to the mouth of the Platte River. This group has pooled funds of $150,000 to retain a contractor to use explosives when needed, to remove ice jams in a timely manner.

During the winter of 2023-2024, there were no ice issues of concern on the lower Platte River.

Rock & Jetty Program

This program was developed to offer cost-share assistance to landowners to construct erosion control devices for stream bank stabilization and to assist Dike and Drainage Districts with maintenance of dikes along the Platte and Elkhorn rivers and perennial streams. In FY23, $15,000 was budgeted for projects on rivers & streams. We assisted four cooperators on maintenance projects in FY 23-24 at a cost of $13,107.55.

Platte River Basin Long Range Objectives

- For the current year and the next 5 years administer $15,000 - $20,000 for the Bank Stabilization Program to cost-share on priority stream bank stabilization for cooperators on the Platte and Elkhorn Rivers and Perennial streams. Promote riparian buffer zones along the Platte River and other perennial streams This includes assisting cooperators with meeting the regulations of the Clean Water Act through section 404 permits.
- Keep up to date on Clean Water Act and Endangered Species Act regulations.
- Continue as a member of the Joint Water Management Advisory Board, provide leadership and assistance to move forward with exploring flood reduction solutions within Dodge County.
- Continue to participate with the City of Fremont and Dodge County to study potential nonstructural measures to reduce flooding and economic losses from the Lower Platte River.
- Assist the City of Schuyler as they evaluate the need for future federal funding for completing structural and non-structural approaches to reduce flooding and economic losses from the Platte River through the LPNNRD District-Wide Hazard Mitigation Plan.
- Encourage cities and counties within the District to initiate floodplain management planning to promote wise floodplain development.
- Continue to partner & support the Ice Jam Agreement in potentially protecting against ice jams on the Platte River and budget annually, as needed, for the Ice Jam Agreement Fund.
- Assist dike and drainage districts within the LPNNRD to properly repair and maintain levy projects.
- Provide support financially and technically to the Lower Platte Weed Management Area in controlling noxious and invasive weeds.
- Support the Nebraska Land Trust in acquiring easements for the protection and preservation of quality lands throughout Nebraska.
- Continue to support the Lower Platte River Corridor Alliance as an active voting member.

GROUND AND SURFACE WATER

One of the Lower Platte North NRD's major responsibilities is to conserve and protect our ground and surface water resources. To accomplish this goal, the Lower Platte North continues to participate in water quality studies, ground water level monitoring, and water resource educational activities.

Groundwater Management Area

Current rules and regulations and the Groundwater Management Plan (GWMP) are available at the LPNNRD headquarters in Wahoo and on the district website at www.lpnnrd.org.

LPNNRD implemented a District-wide Groundwater Management Area (GWMA) on January 1, 1997, to address both water quality and quantity concerns.

- Spring of 2024 LPN started the process of updating its GWMP.
- In 1997, groundwater quality Phase I (education) regulations became effective for the entire District.

One primary rule in Phase 1 requires certification for fertilizer and water use.

- The District has developed a groundwater program emphasizing a protection-based approach rather than a reactive, corrective approach.
- The District has two Phase groundwater quality control areas, those being Bellwood in 2003 and Richland/Schuyler in 2004.
- A grant was received from the Water Sustainability Fund in November 2022.
- This grant conducted a geological assessment to go with the AEM flights along with offering cost-share for best management practices in the Schuyler - Richland Phase Area.
- In July 2023 a second WSF grant with LLNRD and USGS were approved to determine nitrate legacy from Richland to Fremont.

In June 2018, the District updated its Groundwater Rules and Regulations

- A Phase Four was added for Water Quality
- Water Quantity will manage water by consumptive use or acre feet limitations.
- As of July 1, 2023, the District had 9477 registered active wells with 4625 irrigation wells and 212 wells in the GWEL network.

There are two designated Special Quantity Subareas in Butler-Saunders Counties and Platte-Colfax Counties. The District mandated water flow meters, rolling allocations and annual reports in these areas starting in 2016.

A Lower Platte Basin plan with 7 NRDs and NeDNR was developed starting in 2017.

- An allotment formula in 5-year increments was implemented to determine the acre feet used for new water uses.
- The District completed its V-IMP in June of 2018 by adding an additional rule of requiring municipalities to report yearly water use
- The group updated the plan for next 5-years in 2022 with new allotments until 2027.

A Consortium for drought consideration was developed In 2016, made up of the 3 NRDs, Lincoln Water System (LWS), Metropolitan Utilities District (MUD), and the Nebraska Department of Natural Resources (NeDNR).

- A drought contingency plan was developed to maintain/mitigate sustainable water supplies to the Lower Platte River during drought conditions.
- Projects continue to be considered for supplying water into the Platte River

- A 5-year update will be completed in 2024.

Ground Water Quality Sampling

The Lower Platte North NRD continues efforts to develop a ground water quality inventory. The District has been divided into four primary aquifer regions: Todd Valley, Platte Valley, Shell Creek and the Uplands, and further divided into 26 subareas. These subareas are rotated for water quality sampling throughout the District Staff samples the same wells called the Statewide Network each summer, weather permitting, to determine long term trends for nitrate-nitrogen. The data collected is provided to the Nebraska Department of Environment and Energy (NDEE). NDEE in turn provides this to the Nebraska Legislature on an annual basis.

In 2023 samples were collected from 52 sites.

Year	Nitrate-Nitrogen Range	% Nitrate-nitrogen 0-8.0 ppm	% Nitrate nitrogen 8.01-10.0 ppm	% Nitrate nitrogen > 10 ppm
2023	0 - 20.6 ppm	67% (35 of 52)	12% (6 of 52)	21% (11 of 52)

Samples for pesticide analysis were collected from ten of these sites (19%). The pesticide analysis was for a suite of 25 parameters, and all results were less than reporting level.

Ground Water Energy Level Monitoring Network

One of the responsibilities of the NRDs in the State is to monitor fluctuations in groundwater levels. With the help of area cooperators, a ground water energy level (GWEL) monitoring network has been established in the LPNNRD. This monitoring network has been established to obtain a better understanding of the groundwater levels throughout the District. As of Spring 2024, the LPNNRD had 212 wells in the GWEL monitoring network. These wells are monitored each spring and fall, with selected wells also measured in late August.

The LPNNRD compares the latest spring reading to the 1987 base-year to determine if a subarea needs to be declared a Level 2 or Level 3 groundwater management area. Level 2 and 3 management areas require flow meters on wells, annual reporting of water use, and establishment of acre-inch allocations. For the 26 sub-areas within the District, 19 subareas are currently at Level 1 management, while the other 2 sub-areas still need additional information before these can be designated. Sub-Areas along the Elkhorn and Platte Rivers are showing some of the wells reaching Level 2 and 3 management. The District prefers at least three years of data before the subarea can be designated as a Level 1, 2, or 3 management area.

Fall readings in 2023 and Spring of 2024 showed a decline from the previous year's measurement. This change was the continuing lack of moisture in the last 2 years. Spring readings in 2024 showed a 1.17 feet lower of the wells measured compared to Spring of 2023. Each aquifer sub area showed a decline from the previous year.

Chemigation

Chemigation is the act of injecting chemicals into the water line of an irrigation system that is then applied onto the crops. It is considered to be one of the most efficient ways of applying essential nutrients in times when the crop is uptaking the most amount of nitrogen through its

growing stages. In order to chemigate, a licensed permit holder must obtain a permit through the Lower Platte North NRD. Special equipment must be installed to protect Nebraska's groundwater from possible back-flow of chemicals into the groundwater source. To obtain this permit, which is administered through NDEE, you must pass the Chemigation Certification test. This test is conveyed and taught through the University of Nebraska-Lincoln's certification program. There is an online test option available to producers. The chemigation equipment must be properly equipped, inspected and approved by the NRD before applying any chemicals.

Chemigation Permits	Total	Renewal	New	Emergency
July 2023	704	643	61	0
July 2024	708	652	56	0

In 2014, the Legislature approved changes to Title 195 that would allow individual NRDs to set chemigation fees. Chemigation fees for LPNNRD are as follows: $90 for a New permit, $30 for a Renewal permit, and $300 for an Emergency permit. Inspections are required on equipment for new permits. Renewal permits are inspected on a three-year rotation. Failure to renew by June 1st of the following year will cause the permit to lapse. If a renewal permit lapses, the producer must obtain a new permit and an inspection is required.

Decommissioned (Abandoned) Wells

Abandoned wells are a health and safety concern and have been ruled as illegal by the Nebraska Legislature. A well not used for three consecutive years or one which is no longer useful is considered to be abandoned and needs to be properly decommissioned.

The Lower Platte North NRD offers up to 75% cost share assistance to landowners to properly decommission abandoned water wells. In addition, the district will assist with up to 75% of the cost for pump and obstruction removal on domestic and stock wells. To receive cost share assistance, the actual decommissioning must be performed by a certified well driller or pump installer. The landowner has six months from the time of application to accomplish this task unless good cause is shown.

Since 1992 the district has administered local and state cost-share dollars to decommission 749 wells. Through this program in FY 23-24, a total of $15,117.00 was administered by LPNNRD for the plugging of 15 wells.

Flow Meter Maintenance Program/Readings

Since 2008, the LPNNRD has implemented the requirement of installing a District approved flow meter on any new or replacement well. Thereafter in 2012, the District also required the installation of a flow meter on any expansion of acres from an existing well. This pumping information is invaluable to the District to know what has been pumped during years of extended drought. It is vital that the LPNNRD keeps track of this going forward into the future. In order to know the volume of water within our aquifer systems, we need to know the water that is being extracted.

Along with the irrigation wells, the LPNNRD also records meter readings from all of the municipality wells within the District including MUD, Lincoln and Fremont. Livestock wells and commercial wells are required to report if the well was drilled after the 2012 requirement date. Over 1,200

readings are recorded annually throughout the LPNNRD District. The district provides funding for meter maintenance on approximately 1,150 irrigation well flow meters that are getting routine maintenance once every four years.

Registered Wells and Well Permits

The Nebraska Legislature declared that conservation and the beneficial use of ground water are essential to the future well-being of the State. State Law requires that all water wells in the State of Nebraska be registered with the Department of Natural Resources. Wells that are not registered are illegal and should be registered as soon as possible. A breakdown by decade from 1970 to present shows the growth of active irrigation wells in the District.

Table of Active Irrigation Wells within LPNNRD compiled by Completion Date

Date	Number of Active Irrigation Wells in the District
December 31, 1970	1,428
December 31, 1980	2,756
December 31, 1990	3,241
December 31, 2000	3,686
December 31, 2010	4,307
December 31, 2020	4,554
July 1, 2024	4,625

From July 1st, 2023 to July 1st, 2024, the District has issued 33 well permits with 30 for new and replacement irrigation wells.

Special Studies

The LPNNRD has done a number of studies within the District. The following is a summary of studies that are currently being conducted within the District.

Aquifer Vulnerability Mapping and Analysis

- To collect and analyze data within the LPN Water Quality Management Areas for nitrates and source of nitrate.
- Vadose soil sampling analysis to assist in determining the amount of nitrates in soil and pore water present in the unsaturated zones above the water table.
- A nitrate tool was developed utilizing the data, along with geological information to assist in determining vulnerability.
- Age dating of groundwater was conducted in 2023 with results at the end of 2024.
- The analysis is now being conducted in the Shell Creek Aquifer Region

3D Airborne Electromagnetic (AEM) Hydrogeologic Framework and Assessment

- Papio-Missouri River NRD, NeDNR and LPNNRD started a study in January 2021 to assess AEM survey information, well logs, and other geological information.
- The data is available for staff to characterize different geological layers and assign variables such as hydraulic conductivity.
- This data is being utilized for groundwater modeling to better understand, assess, and forecast groundwater. Completion of the groundwater model for the Lower Platte River Basin is planned for early 2025.

Lower Platte River Consortium Study

- This study looked at long term water supplies in the Lower Platte River Basin, and the ability to enhance streamflow, especially in drought conditions.
- Sustaining water in the river would also provide a benefit to wildlife and agriculture by lessening the likelihood of a 'call' on the river.
- The plan was completed in Spring 2020 with the group now in the process considering the options from the plan to determine the feasibility of projects.

Eastern Nebraska Resources Assessment

- LPNNRD is a partner in the Eastern Nebraska Water Resources Assessment (ENWRA).
- The ENWRA study has been utilizing Airborne Electromagnetic (AEM) over eastern Nebraska to better model the geology of the glaciated portion of the State.
- The flights and the results can be found on the ENWRA website at (www.enwra.org).

Certifying Acres

In July 2009, the District signed a contract with gWorks (formerly GIS Workshop) to develop a database of county assessor records as the preliminary step to certifying irrigated acres. As of January 2022, the majority of the irrigation in the district has been cataloged. The District is still granting new irrigation development with verification by aerial photography and accurately modeled before entering into the database. Acre certification provides an inventory of the irrigation needs of the District, which is an important part of present and future groundwater management and planning. In addition to cataloging irrigated acres, LPNNRD staff have been actively working with the Nebraska Department of Natural Resources (NeDNR), as well as local landowners, to bring all irrigation wells in LPNNRD into compliance with Nebraska Revised Statute 46-602 (7).

Nebraska Ordnance Plant Water Pollution Clean Up at Mead

During the 1940s, 1950s and 1960s, an Army Ordnance Plant near Mead was used to assemble bombs and served as an early Atlas Missile ICBM site. Over time, the soil and groundwater at the plant site became polluted with various explosive residues and solvents. The cleanup has been divided into three basic project areas: Soils (OU1), Ground Water (OU2), and Building contamination (OU3). This area has been under study by the Army Corps of Engineers (COE) since 1988. An open house was held by the Corp, May 2024, with annual tours and open houses conducted regularly.

Wellhead Protection Program

The LPNNRD implemented a wellhead protection program in FY 2001. The goal of the program is to minimize potential polluting activities on the land surrounding a community's public water supply well(s). The District has identified 22 communities with public supply wells and they have been encouraged to become involved in the program. The Communities of Newman Grove and Platte Center received a Source Water Protection Grants to re-evaluate and approve their wellhead management areas. The LPN is working with these communities along with assessing the nitrate issues along the Shell Creek Region.

Rural Water Districts

In recent years, the District has worked with communities who have had difficulties with water quality and quantity by forming two rural water systems. The Butler County system linked the village of Bruno in 2006, who was having water quality and quantity problems, to David City. Also in 2006, the Saunders County system linked the village of Colon, who was experiencing water quality concerns, to Wahoo. The LPNNRD operates both of these systems. The District

purchases water from the larger communities and delivers it to the smaller communities; RW staff manage and maintain Colon's system and billing while Bruno manages their infrastructure and household billing. Both systems are designed to serve rural customers along each service route. Combined, the two systems serve over 135 households in Saunders and Butler Counties. To address fiscal concerns both RWDs have implemented a phased rate increase strategy to more diligently manage the financial standings of both districts. The District has been in contact with several other communities and anticipates several more communities and rural customers to be serviced by rural water systems in the future as rural communities face an increased burden at providing adequate quantity, and quality, water while maintaining aging infrastructure. Both systems are greater than 10 years old and repairs/replacements of meters is expected to take up RWD staff's time in 2024-25 as a number of meters and components are nearing the end of their expected service life.

The Environmental Protection Agency (EPA) revised the Lead and Copper Rule in 2022 and required all PWS to submit a lead service line inventory. This inventory takes into account all water service line from transmission main to first service connection within households. This has required multiple contacts with homeowners and will be a living document to be updated in perpetuity.

Geographic Information System (GIS)

The District has incorporated the use of Geographic Information System (GIS) technology into most district functions, including the certification of irrigated acres, maintenance, project planning, modeling of groundwater availability, and the movement of contaminants such as nitrates through the soil profile. In addition to in-house GIS activities, LPNNRD GIS staff assist a variety of partners, including projecting FSA aerial photography into Nebraska State Plane Feet coordinates for NeDNR, custom authoring of maps for the Nebraska Land Trust, coordination of helicopter flight lines for invasive species control with the Lower Platte Weed Management Area, and helping other NRDs with GIS questions as they emerge.

LPNNRD's database allows for quick and efficient lookup of any information pertaining to any project or cost share that has been completed for any constituent with land in LPNNRD.

As drone technology continues to evolve, LPNNRD has added a SkyDio2 Autonomous Drone to its inventory.

Ground and Surface Water Long Range Objectives

- Continue groundwater quality sampling throughout the LPNNRD, both the State-wide network and intensive sampling of selected regional aquifers. To work with other agencies on assessing legacy nitrate.
- Continue water quality education programs based on the goals and objectives of the LPNNRD Groundwater Management Area, which includes LPNNRD certification classes for landowners, municipal, and industrial water users.
- If needed, designate further Phase II, III, and IV boundaries for the Groundwater Quality Management Areas.
- Continue with nitrogen application demonstrations and participate with demonstrations on integrated pest management and sustainable agriculture.
- Assist in the proper decommissioning of water wells in the district by administering state and local cost-share funds to decommission abandoned water wells.
- Continue measurement of ground water energy levels in the district and if necessary designate

new Special Quantity Subareas (SQS).

- Continue to cooperate with the United States Geological Survey (USGS) in monitoring surface water levels and the Eastern Nebraska Water Resources Assessment (ENWRA) for groundwater geological assessment including AEM flights.
- Maintain a multi-agency groundwater energy level monitoring network in the Wann Basin of the Platte Valley north of Ashland to pool information from different agencies collecting water level data. This information is being used by the COE and MUD to refine their groundwater modeling efforts.
- Continue to implement the Chemigation Program to inspect safety equipment on permitted irrigation systems in the district. Educate the need for check valves in protecting the aquifer from contamination.
- To finish the development of a groundwater model to assist in management for each sub-area. Additional information on water use from all wells will be needed for accurate information. Initiate additional studies to identify vulnerable aquifers and modify GWMA rules and regulations to protect these aquifers and their long term sustainability.
- Continue using AEM (airborne electromagnetic) information to analyze bedrock aquifers both in water quantity and water quality. Test holes and monitoring wells will have to be installed and sampled to determine these as a possible source of usable groundwater. New management strategies need to be developed for these aquifers such as summer trigger levels for confined bedrock aquifers, especially if these are hydrologically isolated from overlying alluvial aquifers.
- Utilize the completed Lower Platte River Consortium Study for possible locations for recharge and reservoir sites to better convey water downstream in the watershed.
- Continue to update the Groundwater Management Plan to include Integrated Management of surface and ground water and to consider drought concerns.
- Expand the GWEL network wells in criteria subareas and to have continuous recording monitoring and real-time reads wells in each sub-area to better manage the resource.
- Continue to assist District communities who have difficulties with water quality and quantity by helping determine rural water system feasibility including the Saunders County Rural Water System study. .
- Keep abreast of updates and new iterations of neighboring NRD studies.
- Continue working on projects identified and keeping updating quality objectives in the Watershed Quality Plan. Partner with state agencies in conducting these projects.
- Continue with the District's Well Permitting Program and Variance Process throughout the District. Ultilize submitted water use data in this process and identify registered and unregistered wells.
- Provide information and education on water conservation, integrated pest management and safe disposal of farm and household chemicals.
- Assist in working with NRD's on activity of State and Federal Agencies, new research, and Legislative issues.
- Continue to install flow meters on irrigation wells that are required by GWMP and obtain grants for cost share for water flow meters,
- Continue with the process of updating the certification of irrigated acres and encourage producer participation in online reporting for entering their data to improve efficiency and quality of data.
- Continue to monitor clean up efforts by the COE at the Former Ordnance Plant at Mead, Nebraska and any other clean up efforts. To work with the COE to establish spacing requirements for future high capacity irrigation, industrial, and/or municipal wells that are requesting to be installed near known contaminant plumes from the Former Ordnance Plant

near Mead, so these wells will not interfere with the COE's clean up efforts.

- Review livestock permits from NDEE.
- Investigate irrigation runoff and groundwater management area complaints as needed.
- Continue to provide equipment and data for localized weather throughout the District.
- Communicate with well drillers and pump installers on water concerns within the District.
- Improve irrigation and nitrogen efficiency by working with UNL Extension and other agencies

SOIL CONSERVATION & LAND TREATMENT

In response to the Erosion and Sediment Control Act (LB 474), passed in 1986, the Natural Resources Commission developed the Nebraska Soil and Water Conservation Strategy. This strategy outlines a course of action for efficiently conserving and managing the state's natural resources. A number of significant rain events in 2024 caused an increase in erosion/sedimentation complaints. No violations were filed.

The Lower Platte North NRD administers the Erosion and Sediment Act and has patterned its local program after the state strategy. The district administers state and local cost-share funds through Soil and Water Conservation Programs (SWCP) to offer incentives to producers for installation of land treatment practices. LPNNRD staff also worked with NRCS staff to utilize Farm Bill Programs to repair erosion problems.

Soil and Water Conservation Programs (SWCP)

Under Soil and Water Conservation Programs (SWCP), the LPNNRD allocated $83,029.99 of state funds (Dept. Natural Resources) for land treatment practices during fiscal year 2024 in cooperation with 12 different landowner projects. In addition, two new Buffer Strip contracts were administered with $9,587.23 in state funds.

For fiscal year 2025, $83,058.36 of state funds (from the Nebraska Department of Natural Resources) and $25,000 of local funds will be allocated for soil and water conservation practices through the LPNNRD Lands for Conservation Program (LFC). The LFC program offers landowners a per/acre payment to set aside production ground to allow for summer construction. This lessens the burden on the fall construction season allowing more conservation work to be implemented.

Wahoo Creek Water Quality Land Treatment Efforts

Wahoo Creek in Saunders County, Nebraska, has resided on the Environmental Protection Agency's (EPA) list of impaired water bodies for decades. To address the impaired status of Wahoo Creek, LPNNRD in partnership with the U.S. Environmental Protection Agency (EPA) and the Nebraska Department of Environment and Energy (NDEE) developed the Wahoo Creek Watershed Water Quality Management Plan in 2013. These plans are updated every 5 years and the District is in the process of completing another update. This plan identifies goals to reduce excess phosphorus, nitrogen, soil sediments, and E. coli bacteria in the Wahoo Creek Watershed. This plan meets the EPA's requirement of containing "Nine Elements" of an effective watershed management plan. The plan identifies water quality goals to protect and enhance the quality of all water resources within the Wahoo Creek. Sub-watersheds within the Wahoo Creek Watershed were prioritized for future water quality projects. LPNNRD in partnership with EPA, NDEE, and the Natural Resource Conservation Service (NRCS) identified four Wahoo Creek sub-watersheds as National Water Quality Initiative (NWQI) areas to receive special EQIP and EPA 319 funding for landowners to complete conservation practices to help achieve the numerous identified water quality goals.

The NRD and the local NRCS field office have moved forward with creating a partnership position for a Watershed liaison/Source Water Specialist to help implement BMPs that are inline with the shared agency's water quality mission.

Shell Creek Watershed Water Quality Land Treatment Efforts

Shell Creek is a major tributary of the Lower Platte River. Land use in the approximately 305,000 acre watershed is predominantly row crop agriculture. Portions of Shell Creek are on the Environmental Protection Agency's (EPA) impaired waters list. The most notable impairments include *E. coli* (bacteria) and Atrazine.

The Shell Creek Watershed Improvement Group (SCWIG) is a volunteer committee that formed in 1999 to lead local efforts to identify problems and to promote implementation of conservation practices to improve water quality in Shell Creek. This evolved into an advisory group to LPNNRD continuing to provide local leadership toward reducing erosion and water quality impairments in the watershed. A community-based planning approach was used to gather input from the citizens of the watershed for development of the Shell Creek Watershed Environmental Enhancement Plan that emphasizes combinations of practices that improve water quality.

Over the past 25 years, the Shell Creek Watershed has benefited with over $2 million in EPA Section 319 funds combined with approximately $4 million in partnering federal and local funds for assisting landowners in establishing Best Management Practices on their farms. These efforts resulted in Shell Creek becoming the first agricultural watershed in the nation to have a segment delisted for atrazine contamination in FY 2018.

In FY 2023, the NRD secured $779,000 in grants from EPA/NDEE Section 319 and the Nebraska Environmental Trust (NET). These grant dollars matched with local funds are expected to yield over $1.4 million of water quality work in the watershed over the next three years.

Erosion and Sediment Complaints

The LPNNRD responds to occasional erosion and sediment complaints. In most cases, these complaints are resolved before going through the formal complaint process. Many cases are drainage issues that are resolved between the District and landowners. During FY2022 NRD staff was subpoenaed on a case between two neighbors that could not be resolved amicably. The case has yet to be resolved as both parties continue to work together. The area received multiple, intense, rain events during the spring/summer of 2024. The NRD was contacted by multiple landowners with complaints. No violations were noted.

Soil Conservation Long Range Objectives

- Use technical assistance from the NRCS in the planning, design, construction, and maintenance of conservation measures applied to the land.
- Use Federal, state, and local funds to promote and implement land and water treatment projects in priority areas of Wahoo Creek Watershed to reduce erosion and improve water quality. The NRD plans to coordinate with local NRCS through the National Water Quality Initiative (NWQI), NDEE's 319 program, and local funding efforts to achieve the goal.
- Continue encouraging the implementation of summer conservation construction utilizing federal funding within the Wahoo Creek Watershed through the Lands for Conservation program
- Administer $83,058.36 of State NSWCP funds and $25,000 of local cost-share and grant funds to landowners for the construction of terraces, tile outlets, waterways, diversions, small dams, planting of permanent vegetation, and maintaining water quality.
- Continue to promote conservation tillage measures, pasture & range management, sustainable agriculture, and the Conservation Reserve Program (CRP), through news releases and the district's newsletter.
- Recognize the Outstanding Soil and Water Conservationists.
- Continue to assist landowners in resolving soil erosion and sediment complaints.
- Provide financial support and staff time to conservation education activities.
- Continue to work closely with locally-led conservation groups to promote soil and water conservation throughout the district.
- Partner with the Shell Creek Watershed Improvement Group (SCWIG), EPA/NDEE, NET, and

NRCS toward continuing implementation of Best Management Practices in the Shell Creek Environmental Enhancement Plan Implementation.

- Work with NRCS, NDEE, NET, Saunders County, and the Wahoo Creek locally led Steering Committee in pursuing additional federal and state funds to assist with land treatment practices as defined in water quality objectives in the Wahoo Creek Watershed Water Quality Plan.
- Assist with the formation of local landowner advisory steering committees in the Wahoo and Bone/Skull Creek Watersheds for planning soil & water conservation practices and flood reduction.
- Please combine current year objectives with the projected five year objectives.
- FY 2024-2028 Soil Conservation Long Range Objectives (Sean DONE, Ryan DONE)
- FY 2025-2029 Soil Conservation Long Range Objectives (Sean, Ryan) DONE
- Maintain existing land treatment practices and programs.
- Continue to work with all counties in the district to reduce roadside erosion.
- Administer NET and NDEE/EPA 319 Grant Programs to improve water quality throughout Wahoo Creek, Shell Creek, and the Lower Platte River Corridor Alliance priority watersheds.
- Look for new and innovative soil and water conservation methods.
- Partner with NRCS, UNL Extension, and landowners to improve all aspects of their water and soil quality.
- Continue to support the Land and Range Judging Contests.
- Continue targeting SWCP land treatment program funds for priority watersheds in the District.
- Use existing and new technology and GIS software programs for implementing and promoting soil conservation practices.
- Promote the use of and make available soil surveys and land use information.
- Continue to support Locally Led Landowner Groups to promote and implement soil and water conservation practices.

Projects have been completed in priority areas in the LPNNRD to help reduce flooding and provide grade stabilization. Projects have been completed in Bellwood, Clear Creek, Cottonwood Creek, Sand and Duck Creek, Swedeburg, and Rawhide Creek watersheds. Current high priority flood reduction areas include Bone Creek, Shell Creek, Skull Creek, and Wahoo Creek watersheds. On federal and state projects where the LPNNRD acts as project sponsor, the district obtains land rights and is also responsible for operation and maintenance activities on these projects after they are built.

The LPNNRD offers local assistance for the construction of small dams that can help counties and/or landowners protect county roads, control erosion, and provide water for livestock and wildlife.

Wahoo Creek Flood Reduction Efforts

The NRD is currently in the process of building nine flood reduction dams in Wahoo Creek watershed, estimated to cost $19.7 million in 2020. Federal (WFPO) and state funds (JEDI) are expected to fund the entire project including planning, design, permitting, land rights, construction, and construction oversight. All necessary land rights, and permits have been acquired for first three sites. Construction will begin in Fall 2025 on sites: 26a, 26b, and 27. Construction is expected to begin in FY2026 on the remaining seven sites: 55, 66, 77, 84, 86, and 86. Completion of all nine dam sites is anticipated by the end of FY28.

Sand Creek Environmental Restoration Project (Lake Wanahoo)

With the invaluable assistance of numerous local, state, and federal partners, 2011 witnessed the completion of construction on Lake Wanahoo's earth embankment. The breakwater feature and the fisheries component were completed a few years prior to the embankment. Recreation components were completed for Lake Wanahoo in FY2011. Construction of seven upstream flood reduction/environmental enhancement structures were completed in FY12-14. In FY19, LPNNRD assumed Lake Wanahoo's recreation management responsibilities from the Nebraska Game and Parks Commission.

Operation and Maintenance

District staff complete annual inspections on 45 watershed structures and special projects in the District.. These inspections help detect problems before they become serious. Annually, noxious weeds and volunteer trees are sprayed, debris removed, fences repaired, on dams & Clear Creek Levee, and the Rawhide Ditch System, and risers unplugged on dams. The District is currently working with NRCS and a Engineer Consultant in the rehabilitation of dam Cottonwood 21-A.

Army Corps of Engineers 205 and GI Flood Studies

Over the past many years, the District has partnered with local entities and the US Army Corps of Engineers to study flood protection alternatives for their areas. In 2004, LPNNRD partnered with Fremont, Inglewood, and Dodge County to look at a potential levee project to remove areas from the Platte River 100-year ice induced floodplain. In FY 2017, the Fremont study evolved into a General Investigation (GI) Study which determined that there is not a feasible structural solution (levee) to the City of Fremont's flood threat from the Platte River. In 2018 the GI Study evolved back to a 205 Non-Structural Study for the City of Fremont and Dodge County. The Non-Structural effort will continue in FY 2025.

In 2005, LPNNRD entered into an interlocal agreement with the City of Schuyler to evaluate levee protection options to protect the city from flooding from the Platte River and Shell Creek. In FY

2012, the Schuyler 205 Study was completed and entered into the project design phase. In FY 2014 the design phase was completed and LPNNRD assisted Schuyler with obtaining needed land rights for the Shell Creek Levee portion of the project which began construction activities in the spring of 2014 and most construction activities were completed in the fall of 2015. LPNNRD continued to assist Schuyler in FY 2018 with closing out the project with the Army Corps of Engineers. Schuyler continues to do a great job in maintaining the levee.

Flood Control and Damage Reduction Long Range Objectives

- Continue with accelerated land treatment efforts and flood reduction opportunities in identified priority watersheds, Shell Creek, Skull & Bone Creek and Wahoo Creek in the District.
- Budget staff time and funds to complete annual and/or biennial inspections and maintenance such as spray noxious weeds & cut and treat trees on 45 dams, Clear Creek Levee, and Rawhide ditch and other project sites.
- Develop a long term plan for Operation and Maintenance costs associated with large structures.
- Continue to be an active partner on the Joint Water Management Advisory Board to explore flood reduction and drainage solutions in portions of Dodge County City of Fremont and complete the Rawhide Watershed WFPO Planning efforts.
- Partner with the City of Fremont, Dodge County, and Papio-Missouri River NRD to fund operation and maintain established USGS cameras at 5 locations and 2 stage-only water gauges along the Lower Platte River.
- Partner with Dodge County and City of Fremont on FEMA Drainage Improvement Projects.
- Continue to educate Cities, Counties and public on watershed management and flood reduction and to accept and implement Floodplain Management Authorities.
- Cooperate with landowners and counties in evaluating small dam sites for cost-share throughout the district.
- Continue to partner with the Army Corps of Engineers, FEMA, City of Fremont, Englewood, and Dodge County on exploring non-structural opportunities for feasible flood control solutions and the Hazard Mitigation Plan Flood Resiliency study.
- Support the City of Schuyler for exploring non-structural opportunities for feasible flood control solutions from the Platte River through the LPNNRD District-wide Hazard Mitigation Plan.
- Work with Communities, Counties, and other entities on projects identified in our District-wide All Hazard Mitigation Plan.
- Commit funds and staff time to complete flood water control/reduction plan and complete easement acquisition for all ten Wahoo Creek Watershed flood reduction dam sites.
- Begin construction on Wahoo Creek Dam Sites 26a, 26b, and 27, complete engineering designs on Wahoo Creek Dam Sites 55, 66, 77, 82, 84, 85, 86 and have them completed by 2028.
- Continue to update LPNNRD's district-wide All Hazard Mitigation Plan and assist District Communities in evaluating future flood protection for their communities
- Partner with NRCS and hired HDR through the Dam Rehabilitation program to rehabilitate dam Cottonwood 21-A.

The district administers several programs designed to enhance the region's forest, range, and wildlife land, including the Tree Planting Program, Wildlife Habitat Programs with Nebraska Game & Parks and Pheasants Forever, SWCP Program, and Mitigation Program.

Tree Program

One of the most visible and popular programs offered by the LPNNRD is the district's tree planting program. As a direct result of this program, begun in 1973, an estimated 890,100 trees and shrubs have been planted in the district. Trees and shrubs may be obtained from the NRD for windbreaks, shelterbelts, wildlife habitat, woodlots, and Christmas tree plantings. Besides providing a planting service, the NRD also designs tree planting plans and offers technical advice on ground preparation for tree sites.

During the spring of 2024, 16,875 trees and shrubs were distributed to District residents. Of this total, 9,886 were planted by the NRD field crew at 10 sites.

Wildlife Programs

Lower Platte North continues to encourage landowners to set aside land for wildlife habitat by using Federal Programs and Programs provided by Nebraska Game & Parks and Pheasant Forever.

Community Forestry Program

In FY 2023-2024 LPNNRD donated 900 tree seedlings for the District's annual Spring Conservation Sensation; the Fremont EcoFair and Newman Grove School. The District budgets $2,000 for Community tree development projects. The District did not assist a Community during the fiscal year.

Forestry, Range and Wildlife Habitat Long Range Objectives

- Plant and distribute conservation trees and shrubs through the district's Tree Planting Program with hopes of increasing the program each year..
- Continue to include tree planting as an eligible cost-share practice under the SWCP program.
- Offer trees and give staff presentations to elementary students across the district.
- Continue to promote Wildlife Habitat programs in cooperation with the Nebraska Game and Parks Commission and other partnering entities as opportunities arise.
- Assist cooperators with signing up for Wildlife Programs.
- Provide information and education on tree planting, woodland management, grassland management, and proper wildlife habitat enhancement through media, tours, and schools.
- Provide cost-sharing for the conversion of cropland to grassland through the SWCP program.
- Cooperate with Pheasant Forever Chapters to enhance wildlife habitat and establish windbreaks.

Czechland Lake Recreation Area

Czechland Lake Recreation Area is a multipurpose project located one mile north of Prague, Nebraska on Highway 79. Flood control, recreation, and education are the main benefits of the project. Located at a convenient distance from Omaha, Lincoln, Fremont, and Wahoo, the 85 surface acre lake is situated on 265 acres of public access land operated and maintained by the LPNNRD.

State park permits and fees are not required for entrance to the area. Czechland Lake has 11 electrical camper pads at an $18/night fee for the use of a camping pad. There are also three non-electrical pads. A Nebraska Fishing License is required for anglers. The lake fishery is managed by the Nebraska Game and Parks Commission, which stocks and monitors fish populations.

Originally built as one of twelve floodwater structures in the Cottonwood Creek Watershed, Czechland Lake has developed into one of the area's most popular recreation spots. The reservoir and recreation area development was built at a total cost of $1.8 million. Funding for the project was shared by the Nebraska Natural Resources Commission, Saunders County, USDA Natural Resources Conservation Service, and LPNNRD. Grant monies from the U.S. Environmental Protection Agency have been used to reduce nonpoint source pollution entering the lake and to provide educational resources.

The Czechland recreation area is extensively used each year generating between $8,500 - $10,000 in camping revenue. Mowing, trash removal, repair, and upkeep of park equipment, and thistle control kept LPNNRD park staff very busy during the spring and summer.

Homestead Lake (Skull Creek Site #55)

Construction was completed on Homestead Lake in 2001. The dam offers flood control for nearby communities, and has been developed for public recreation. Recreation facilities include a shelter, restroom, picnic areas, a boat ramp, and hunting areas. FY 2024 proved to be another very popular year for recreationists as the area was extensively used.

Lake Wanahoo

Work was completed on recreation facilities at Lake Wanahoo one mile north of Wahoo in FY 2012. Recreation facilities at the 1,600 acre site straddle the 662-acre lake, with camping and boating access on the west side and a day use area on the east. A rocked hiking/biking trail winds throughout the park, linking the east and west side recreation areas over a breakwater levee one mile north of the dam. Mowed trails north of the levee provide access to undeveloped areas set aside for wildlife habitat.

The camping area contains 75 camper pads, 54 tent camping sites, and 6 primitive cabins. All camper pads are equipped with electrical hookups and are rock surfaced. All sites have fire rings and picnic tables.

The recreation area offers access to two large boat ramps wide enough to accommodate four boats at a time. Boating on the entire lake is no-wake only.

The day use area on the east side of the lake has two large picnic shelters and two smaller ones, all offering scenic views of the lake. In FY 2017 a dump station for RV's was constructed on the east day use area as well as a disc golf course/nature educational trail.

Both the camping and day use areas provide excellent fishing access, with a total of seven fishing jetties. One jetty on each side has an attached handicapped pier. The lake was stocked with largemouth bass, bluegill, blue catfish, crappie, northern pike, and walleye beginning in 2008. Limited hunting opportunities will continue to be available at Lake Wanahoo through the Game & Parks Commission PATH Program, where adults can schedule a time to mentor a youth hunter at designated hunting sites north of the recreation area. An operation and maintenance plan was developed with the assistance of the Nebraska Game and Parks Commission and Pheasants Forever in FY 2014 which identified activities that were implemented in 2015 .

In FY 2019, LPNNRD assumed the responsibilities of administering Lake Wanahoo as a public recreation area from the Nebraska Games & Park Commission.

In FY 2020, the Clint Johannes Education Building was completed on the day use portion of the recreation area. This facility provides a protected outdoor education space for LPNNRD education activities, as well as a public rental facility for the public. Also in FY 2020, six new primitive cabins were installed in the primitive camping portion of the park to give visitors a unique alternative to tent camping.

Recreation Long Range Objectives

- Improve up to 20 additional sites with 50 amp service
- Continue to repair and replace damaged portions of the park from the May, 2024 storm event.
- FEMA has approved disaster relief funding for Saunders County, continuing work with FEMA to repair damages throughout Lake Wanahoo recreation Area.
- Continue to budget funds for maintenance, including grass mowing, tree trimming, grading roads, outhouse cleaning, trash removal, painting, and noxious weed control, at Lake Wanahoo, Czechland, and Homestead Lake Recreation Areas.
- Continue to improve our existing sites and evaluate the development of new outdoor public recreational opportunities as they arise.
- Design and install a 10-14 slip marina on the west side of the lake. Marina will enable campers with boats the opportunity to keep their boats on the water during their stay. Install a fish cleaning station also.
- Continue to assist NE Game & Parks and Pheasant Forever in developing new areas offering public access.

DRAINAGE IMPROVEMENT & CHANNEL RECTIFICATION

It is the general policy of the LPNNRD not to provide financial assistance for drainage improvement and channel rectification unless a project has public benefit and is sponsored by a County, City, Drainage District, or a group of landowners through an established Improvement Project Area. Under this policy, the district has cooperated on several projects that have provided public benefit.

Drainage Improvement and Channel Rectification Long Range Objectives

- Worked with Colfax County to complete new Shell Creek South Channel Improvement/ Benching Projects.
- Partnered with Dodge County and Fremont to support drainage improvements east of Fremont through FEMA.
- Partnered with the North Bend Drainage District, Dodge County, and City of Fremont to support the drainage improvement project for the North Bend drainage ditch through FEMA.
- Continue to oversee the Rawhide Creek West Branch Project to ensure that landowners properly control vegetation.
- Continue providing assistance to Platte Center with stabilizing segments of Elm Creek.
- Evaluate potential technical and funding assistance to counties, cities, and other entities in the district that sponsor sound drainage and channel improvement projects.

WASTE DISPOSAL & POLLUTION OBJECTIVES

Over 30 years ago, vast changes occurred in Nebraska's solid waste regulations. Landfills that weren't properly designed, operated, or sited were required to shut down, as were unauthorized dumps. In order for a landfill to operate, it must be approved by the State and receive a permit. If a permit is not issued, the landfill cannot legally operate. Currently, the only permitted landfill in the Lower Platte North NRD is a facility near David City.

Waste Disposal & Pollution Long Range Objectives

- Promote recycling efforts in the district through education programs, newsletters, and news releases.
- Participate in education efforts to promote the reduction of pollution to our air, water, and soil resources.
- Cooperate and be supportive of other group and agency pollution control efforts, education, and/or regulation.
- Assist and encourage all District communities in establishing collection locations for recyclable wastes.
- Assist District cities and counties in establishing pickup days for hazardous household and farmstead wastes as opportunities arise.
- Promote waste reduction efforts in the district through education and incentives.

INFORMATION & EDUCATION

A major responsibility of the LPNNRD is to keep the public aware of the district's various projects and programs, and to inform and educate children and adults about the wise use and management of our natural resources.

During fiscal year 2024, the Lower Platte North NRD conducted many activities to help residents learn the importance of our soil and water resources and to stay informed of issues and concerns regarding natural resources. Some of the highlights included the following.

Publications and Marketing

The NRD distributes two newsletters each fiscal year. The Winter issue of "The Viaduct" newsletter includes the Annual Report. In FY 2024, more than 23,000 copies of each newsletter were distributed in eight newspapers, emailed and mailed. Previous newsletters are available on the website at www.lpnnrd.org/downloads.

Various brochures describing LPNNRD programs and services were updated as needed. These brochures are displayed in the office and distributed during NRD sponsored events and exhibit booths. Press releases are distributed to district newspapers, email lists and radio stations.

Numerous ads highlighting LPNNRD programs and upcoming deadlines air on KTIC Radio monthly, and digital ads are displayed on Wahoo newspaper's website monthly.

The NRD continues to maintain information and education outreach for the district through the use of social media outlets on Facebook, X, and YouTube. These outlets are maintained weekly and provide information along with photos and videos about the district's ongoing activities and events.

The NRD's website at www.lpnnrd.org contains information on the district's projects and programs, along with staff information, board of directors information, as well as committee and board meeting minutes, and district publications. Online applications and registration forms for various projects and programs are also available. Additionally, online payment capabilities continue to allow customers to pay for trees, rural water bills, and Lake Wanahoo permits.

Promotional videos have been created for the Water Department, Operations & Maintenance department, Projects department, Information and Education department, and the three LPNNRD recreation areas (Czechland Lake, Homestead Lake, and Lake Wanahoo). These 30-second and 60-second videos are shown as educational purposes for presentations, on the LPNNRD website, commercials on area television stations, and featured on social media platforms. Past directors, current directors, and current staff have been featured in the videos. The commercials air on News Channel Nebraska and Nebraska Public Media throughout the year.

Education Programs

During FY 2024, the district continued with two year-long programs. The St. Wenceslaus Pre-kindergarten students learn about wildlife, trees, birds, soil and water conservation through books, pictures, stories, and hands-on activities. The students visited Lake Wanahoo at the end of the year for a field trip filled with nature hikes, nature crafts, and disc golf. The district teamed up with Wahoo Public middle school students for the Survival Club program, making a total of three school years of the program. LPNNRD staff and other outdoor enthusiasts met monthly with students during the school year to learn about hiking, knot tying, 2-legged predators, 4-legged predators, fishing, first aid, foraging for wild foods, fire building and other outdoor survival skills.

The district continues to participate in the Career Exploration Opportunities (CEO) Program with Wahoo Public Schools. During the fall semester of 2023, LPNNRD staff hosted one high school senior and he rotated between each department to learn about the LPNNRD responsibilities.

The Clint Johannes Education Building is utilized for events of all kinds. Local teachers and other organizations will use it for their students and staff as a meeting space with a great view and amenities. The LPNNRD utilizes the building for educational events each month. The event, Coffee Lakeside, has impacted close to 100 people, who meet in the building once a month. Topics included wildflowers, fireflies, animal adaptations, fall activities, phenology, nature based play, lake ecosystems, water flower identification, fungi, and more. All other NRD related events are also hosted in the building or another location at Lake Wanahoo.

Additional events throughout the year included Wildflowers and Wine, Trivia and Game Night, Back to School Night, Community Fishing Event, and Nocturnal Nights. These events drew in participants of all ages with some returning and some new individuals. Staff also participated in the county-wide, Kid's Summer Institute, that ran all of June. Students participated in dip netting for macroinvertebrates; birding; disc golf; nature journaling; and wild about wildflowers.

The Lower Platte North NRD and Lower Platte South NRD rotate in hosting the East Central Land Judging Contest. Land Judging is a competition for high students that challenges them to gain a better understanding of soil structure and land evaluation. The Lower Platte North NRD works with local NRCS employees to choose a site location and help with site preparation. The Lower Platte North NRD staff and NRCS staff will assist in the preparation, contest monitoring, and scoring efforts during the contest.

The annual LPNNRD Spring Conservation Sensation was held on May 1st at Lake Wanahoo. Fifth and sixth grade students from Saunders, Butler, and Dodge Counties participated in various activities. Hands-on activities were presented by LPNNRD staff, additional personnel from various agencies and organizations, and volunteers to teach students about the environment, natural resources, tree planting, lake ecosystems, wildlife education and more. Nearly 300 students attended the event.

The third annual LPNNRD Natural Resources Camp was held at Lake Wanahoo. For one week, attendees learned how to fish, how to go birding, about the amphibians and reptiles of Nebraska, and insects, both macroinvertebrates they found in the lake and the land dwelling butterflies and moths.

Test Your Well Event is a program that partners with area FFA chapters to host public events, providing nitrate testing of water samples from private wells at no cost to the attendees. The district held 2 events in FY 2024.

District staff provided various presentations and activities during natural resources festivals, field days, out-of-school time programs, school classrooms, online activities on the LPNNRD website, and adult education events. As a result of the district's educational outreach efforts, there was interaction with approximately 3,504 youth and 326 adults in FY 2024.

Information & Education Long Range Objectives

- Publish the district newsletter "Viaduct" biannually in an electronic format and as a printed newspaper insert in 8 area newspapers.

- Send timely news releases to the local media on various LPNNRD programs, projects, and activities.
- Disperse pamphlets and other publications about LPNNRD programs.
- Update the district's website frequently.
- Provide a display at county fairs or agriculture events (up to five major counties) within the district.
- Continue information and education outreach for the district through the use of tools such as local radio stations, local TV stations, and social media outlets.
- Provide district elementary students with free trees, as requested, in the spring.
- Provide LPNNRD staff as requested to speak to community organizations and schools on NRD activities and environmental topics.
- Provide various education programs, events, and activities to area schools and out-of-school time programs.
- Host the East Central Region Land Judging Contest in the fall of 2024.
- Host the annual Spring Conservation Sensation in May 2025.
- Develop new programs and promotional projects to aid in outreach efforts of the district.
- Provide assistance and publications for the students involved in the Shell Creek Watershed Monitoring Program.
- Continue to provide a scholarship for graduating seniors in the Shell Creek Watershed Monitoring Program who plan to pursue higher education relating to science or natural resources.
- Search for new and effective ways to inform and educate the public on the NRD purpose and programs.
- Participate with the Information & Education (I&E) Staff Group to coordinate statewide I&E activities and produce statewide products.
- Increase participation in activities sponsored by other agencies relating to the NRD's responsibilities.
- Seek to have conservation/environmental education as a part of the school curriculum.
- Support environmental education activities and events throughout the district, and neighboring NRDs.
- Assist in the development of an outdoor classroom for a district school.
- Partner with district schools to host Test Your Well Events annually.

The staff of the Lower Platte North NRD includes 21 full-time and 11 part-time/seasonal employees. The NRD administers a full-time field technician, four field office assistants in Natural Resource Conservation Service county offices, and a Recreation Facilitator for Czechland & Homestead Lake Recreation Areas.

Included in the part-time positions, the district employs seasonal conservation technicians to assist in the layout of land treatment structures. There are seasonal summer employees hired to help with Lake Wanahoo, water sampling, tree planting, and maintenance of LPNNRD projects. Personnel positions and assigned responsibilities may increase in the future as increased project and program responsibilities increase.

Current staff as of September 1, 2024:
Sydney Abbott, Education Coordinator
Daryl Andersen, Water Resources Manager
Kaitlyn Bargen, Wanahoo Recreation Supervisor/Water Resources Specialist
Brandon Beethe, Grants/GIS Coordinator
Jill Breunig, Bookkeeping Department Head/Administrative Assistant
Ryan Chapman, Assistant General Manager
Sean Elliott, Projects/Rural Water Manager
Carson Euse, Recreation Facilitator Czechland & Homestead Lakes
Eric Gottschalk, General Manager
Bob Heimann, Operations & Maintenance Manager
David Moore, Operations & Maintenance Technician
Russell Oaklund, Lead Water Resources Specialist
Karen Rezac, Department/Administrative Assistant
Lacey Sabatka, Information Coordinator
Jon Speichinger, Operations & Maintenance Technician
Jacob Stover, Water Resources Specialist

Staff Support for NRCS Offices:
Adam Brockman, Conservation Technician
Jessica Marty, NRD/NRCS Field Office Assistant (Dodge County)
Marla Milliken, NRD/NRCS Field Office Assistant (Saunders County)
Kristin Miller, NRD/NRCS Field Office Assistant (Colfax County)
Kimberly Piitz , NRD/NRCS Field Office Assistant (Butler County)

FINANCES

Funding required for the LPNNRD projects and programs for Fiscal Year 2025 requires a general operating budget of $14,085,234 of which $3,480,715 is required from the district's local tax levy. The FY 2025 tax levy of .025767 cents per $100 actual valuation is required from District property. Projected expenses and income for FY 2022-2030 are shown in Appendix F.

A tax levy of .025767 means that an owner of a $150,000 home will pay $42.98 in NRD taxes in FY 2024. An owner of farm land valued at $7,000 per acre will pay $2.00 an acre/year to the NRD in FY 2025. The LPNNRD levy represents about two percent of the total property tax collected.

Although it is expected that the amount of revenue from all sources will fluctuate during the next few years, it is anticipated that the LPNNRD will operate at a mill levy between $0.025 and $0.055 per $100 actual valuation as the District continues to assist with flood reduction project priorities and to address our responsibilities with groundwater water quality and quantity management.

Nebraska's Natural Resources Districts
www.nrdnet.org
Protecting Lives • Protecting Property • Protecting the Future

8100 South 15th, Suite B
Lincoln, NE 68512.
Web: www.nrdnet.org.
Email: nard@nrdnet.org
Phone: (402) 471-7670

August 19, 2024

TO: NARD Board and NRD Managers

FROM: Dean E. Edson, Executive Director

RE: 2024 ANNUAL CONFERENCE RESOLUTIONS

Attached are two resolutions that have been submitted to NARD for consideration at the 2024 Annual Conference as of end of business on August 16, 2024, which was the deadline for resolutions. Additional resolutions submitted, if any, will require 2/3rds vote of the delegates to be considered at the annual meeting.

The 2023 voting delegate list is on page 2. Please confirm your voting delegate for 2024. The voting procedures to be used at the conference are on page 3.

Resolutions submitted by the August 16, 2024 deadline

1. ***NARD Resolution 2024-1 – Monthly Board Meeting. Submitted by Upper Niobrara-White NRD.***

2. ***NARD Resolution 2024-2 -- Allowance of Electronic Payments for Natural Resources Districts. Submitted by the Lower Platte South NRD and Upper Niobrara White NRD.***

Voting Delegate and Alternate
For
2023 Annual Conference

	DELEGATE	ALTERNATE
Central Platte NRD	Deb VanMatre	Jay Richeson
Lewis & Clark NRD	Dave Condon	Marcel Kramer
Little Blue NRD	Mason Hoffman	Alan Kenning
Lower Big Blue NRD	Steve Kelley	Ryan Birkett
Lower Elkhorn NRD	Mark Hall	None
Lower Loup NRD	Henry Thoene	James Eschliman
Lower Niobrara NRD	Deb Hansen	Jack Engelhaupt
Lower Platte North NRD	Bob Hilger	Jerry Johnson
Lower Platte South NRD	Tom Green	John Yoakum
Lower Republican NRD	Don Duffy	Marlin Murdoch
Middle Niobrara NRD	Martin Graff	Tim Nollette
Middle Republican NRD	Joe Anderjaska	Tracy Zink
Nemaha NRD	Orval Gigstad	Dan Hodges
North Platte NRD	Ryan Reuter	None
Papio-Missouri River NRD	Rich Tesar	Jim Thompson
South Platte NRD	Jim Johnson	Larry Rutt
Tri-Basin NRD	Larry Reynolds	Dave Raffety
Twin Platte NRD	Dennis Schilz	James Meismer
Upper Big Blue NRD	Paul Bethune	John Miller
Upper Elkhorn NRD	Gene Kelly	Art Tanderup
Upper Loup NRD	Judy Ridenour	Chris Higgins
Upper Niobrara White NRD	Scott Berndt	Tod Dorshorst
Upper Republican NRD	Terry Martin	None

Resolution Deadline Version – August 19, 2024

RESOLUTION & VOTING PROCEDURES

1. **Each NARD member district that is in good standing shall be able to submit resolutions for consideration by the Association membership on policy issues pertinent to the mission and goals of the Association. A majority of the 23 districts shall constitute a quorum.**

2. **The voting delegate for the member district, or the alternate in the case of the delegate's absence, shall be the only individual to make the motion on behalf of their respective district. Any district representative may speak on the merits of a motion or issue during the discussion period once recognized by the chair.**

3. **We encourage more information on the issues. However, a non-voting participant may only speak on an issue and/or provide additional information at the request of a voting delegate of a district in good standing or at the request of the chair.**

4. **A copy of all resolutions submitted to the NARD Office prior to the Annual Meeting is included in the Resolutions Packet. Resolutions received by the deadline require a majority of the members voting for consideration. Resolutions received after the deadline must follow 5.b. below.**

5. **Additional resolutions may be submitted for consideration at the first Business Session at the Annual Conference for discussion provided that:**

   a) **The member district is responsible for providing enough copies so members may read the resolution before discussion begins.**

   b) **If 2/3 of the members voting approve the Motion to place the resolution before the body, the resolution shall be added to the agenda for consideration (example: 2/3rds of 115 = 77).**

6. **Resolutions shall be discussed, and motions shall be made at the 1st Business Session. No final voting for approval of resolutions shall be taken on the first day. This provides discussion time at caucus before final approval.**

7. **Motions/resolutions shall be voted on at the 2nd Business Session.**

8. **Amendments may be made on either the first or second day during the Business Session. A written copy of the amendment(s) must be provided to the Chairman of the Legislative Committee.**

9. **Each member district shall have five votes.**

10. **To help avoid any distractions during the Business Session, all cell phones must be silenced during the session. Anyone whose cell phone rings during the Business Session will be fined $5 for each occurrence and proceeds will be contributed to the NARD Foundation Account. Contributions to the NARD Foundation are tax deductible.**

Resolution Deadline Version – August 19, 2024

NARD Resolution 2024-1

Monthly Board Meeting

Submitted by the Upper Niobrara White NRD
NARD Annual Meeting – Kearney, NE
September 23-24, 2024

WHEREAS; Nebraska Revised Statutes §2-3219 Board; meetings; time; place; notice states "The board shall hold regularly scheduled monthly meetings", and;

WHEREAS; over the last 52 years and barring extreme circumstances, each district each has complied with the above referenced statute; and

WHEREAS; each district incurs a cost to hold a meeting in the form of public notice requirements as well as director per diem and expenses; and

WHEREAS; in the past, there have been months where a lack of business would justify cancellation of the regularly scheduled meeting; and

WHEREAS; not scheduling or holding a meeting would result in a cost savings,

NOW THEREFORE BE IT RESOLVED that Nebraska's Natural Resources Districts (NRDs) through the Nebraska Association of Resources Districts seek legislation that would allow NRDs to forgo scheduling and holding a monthly meeting where there is a lack of business to justify said meeting.

Monday Business Session: Motion_____Second:_____
Other:_____

Amendment No. 1:_____
Amendment No. 2:_____

Tuesday Business Session: _____
Amendment No. 1:_____
Amendment No. 2:_____

Resolution Deadline Version – August 19, 2024

NARD Resolution 2024-2

Allowance of Electronic Payments for Natural Resources Districts
(in reference to Nebraska Rev. Stat. 2-3224)
Submitted by Lower Platte
South NRD & Upper Niobrara White NRD

WHEREAS, electronic payment systems, such as electronic funds transfers (EFTs) and automatic clearing house transfers (ACHs), offer many benefits over traditional paper payment systems;

WHEREAS, electronic payment systems are faster, cheaper, and more secure than traditional paper payment systems;

WHEREAS, the vast majority of Nebraska's citizens and businesses regularly avail themselves of the benefits of electronic payment systems;

WHEREAS, Natural Resources Districts currently receive funds and payments from the State of Nebraska, Nebraska counties and District customers through electronic payment systems;

WHEREAS, under Nebraska Revised Statute Section 2-3224, which was passed into law in 1969, Natural Resources Districts are not eligible to expend District funds through electronic payment systems;

WHEREAS, allowing Natural Resources Districts to expend District funds through electronic payment systems will align fiscal processes with contemporary business practices and save both time and financial resources for Districts through increased efficiency and security;

NOW, THEREFORE, BE IT RESOLVED that the Nebraska Association of Resources Districts supports legislation amending Nebraska Revised Statute Section 2-3224 and authorizing the expenditure of District funds through electronic payment systems, such as electronic funds transfers (EFTs) and automatic clearing house transfers (ACHs).

***Motion*_____*Second:*_____**
***Other*_____**

***Amendment No. 1:*_____**
***Amendment No. 2:*_____**

***Tuesday Business Session:*_____**
***Amendment No. 1:*_____**
***Amendment No. 2:*_____**

Brueggemann Pay Out - 8/23/24			
Salary	$ 63,266.00		
Hourly Rate	**$ 30.42**		
Annual Leave Balance		77.50	77.50
Sick Leave Balance		508.00	
Non-paid Hours		360	
Balance			148.00
Total Compensated Hours			**225.50**
Hours X Rate			**$ 6,859.71**
Deductions			
	Retirement 414(h)		
	Taxes		
	Supplemental		

Financial Statements and Accountant's Compilation Report

Lower Platte North Natural Resources District

July 31, 2024

Preliminary Draft

HBE
CPAs & Consultants | Wealth Management

HBE 360
Client Accounting & CFO Solutions

HBE

CPAs & Consultants | Wealth Management

HBE 360
Client Accounting & CFO Solutions

ACCOUNTANT'S COMPILATION REPORT

The Board of Directors
Lower Platte North Natural Resources District
Wahoo, Nebraska

Management is responsible for the accompanying financial statements of the Lower Platte North Natural Resources District, which comprise the Statements of Net Position as of July 31, 2024, and the related Statements of Activities for the month then ended in accordance with accounting principles generally accepted in the United States of America. We have performed a compilation engagement in accordance with Statements on Standards for Accounting and Review Services promulgated by the Accounting and Review Services Committee of the AICPA. We did not audit or review the financial statements, nor were we required to perform any procedures to verify the accuracy or the completeness of the information provided by management. We do not express an opinion, a conclusion, nor provide any form of assurance on these financial statements.

Management has elected to omit substantially all of the disclosures and statements of cash flows required by accounting principles generally accepted in the United States of America. If the omitted disclosures were included in the financial statements, they might influence the user's conclusions about the Organization's financial position, results of operations, and cash flows. Accordingly, the financial statements are not designed for those who are not informed about such matters.

The accompanying Statements of Activities – Actual vs. Budget are presented for purposes of additional analysis and is not a required part of the basic financial statements. Such information is the responsibility of management. The supplemental information, except the budget information, was subject to our compilation engagement. We have not audited or reviewed the supplementary information and do not express an opinion, a conclusion, nor provide any assurance on such information. The budget information presented in the Actual vs. Budget is of a nonaccounting nature and has not been subjected to our compilation engagement.

We are not independent with respect to the Lower Platte North Natural Resources District.

Lincoln, Nebraska

August XX, 2024

Preliminary Draft

Lower Platte North NRD
Statements of Net Position

	Natural Resources District As of 07/31/2024	Rural Water-Bruno As of 07/31/2024	Rural Water-Colon As of 07/31/2024	All Districts As of 07/31/2024
Assets				
Current Assets				
Cash and Cash Equivalents				
101000 - Change Box	0.00	60.00	90.00	150.00
101200 - Change Box - Game & Parks	150.00	0.00	0.00	150.00
101300 - Change Box - Lake Wanahoo	825.00	0.00	0.00	825.00
102001 - Cash - Union Bank	514,016.42	0.00	0.00	514,016.42
103000 - Cash - County Treasurer	49,535.82	0.00	0.00	49,535.82
104000 - Cash - Education Building Res.	10,310.00	0.00	0.00	10,310.00
111100 - Investments - NRD - NPAIT	2,557.00	0.00	0.00	2,557.00
111105 - Union Bank STFIT	5,455,745.11	0.00	0.00	5,455,745.11
Total Cash and Cash Equivalents	**6,033,139.35**	**60.00**	**90.00**	**6,033,289.35**
Accounts Receivable, Net				
Accounts Receivable				
105000 - Accounts Receivable	1,053,943.67	8,326.27	8,122.68	1,070,392.62
105060 - Due from Bruno Water Fund	197,989.42	0.00	0.00	197,989.42
105070 - Due from Colon Water Fund	13,337.36	0.00	0.00	13,337.36
109000 - Taxes Receivable	1,040,705.87	0.00	0.00	1,040,705.87
Total Accounts Receivable	**2,305,976.32**	**8,326.27**	**8,122.68**	**2,322,425.27**
Total Accounts Receivable, Net	**2,305,976.32**	**8,326.27**	**8,122.68**	**2,322,425.27**
Inventory				
165503 - Rural Water Inventory	0.00	6,569.29	9,853.93	16,423.22
Total Inventory	**0.00**	**6,569.29**	**9,853.93**	**16,423.22**
Prepaid Expenses				
116000 - Prepaid Expenses	70,973.56	0.00	0.00	70,973.56
Total Prepaid Expenses	**70,973.56**	**0.00**	**0.00**	**70,973.56**
Other Current Assets				
111225 - Investments - Borrow Fund - NPAIT	118,860.96	0.00	0.00	118,860.96
111250 - Investments - Alliance GIS Project	8,317.65	0.00	0.00	8,317.65
111550 - Investments - Elkhorn Breakout	142,297.23	0.00	0.00	142,297.23
111600 - Investments - Wanahoo SRA	581,100.40	0.00	0.00	581,100.40
111650 - Investments - Colon Reserve NPAIT	0.00	0.00	9,344.52	9,344.52
Total Other Current Assets	**850,576.24**	**0.00**	**9,344.52**	**859,920.76**
Total Current Assets	**9,260,665.47**	**14,955.56**	**27,411.13**	**9,303,032.16**
Fixed Assets, Net of Depreciation				
Fixed Assets				
140210 - Water Line Capital Improvement	0.00	726,156.51	1,180,075.05	1,906,231.56
140226 - Colon Water Loan Fees	0.00	0.00	2,000.00	2,000.00
160000 - Conservation Property	123,971.00	0.00	0.00	123,971.00
161000 - Land	10,948,321.58	0.00	0.00	10,948,321.58
162000 - Infrastructure	29,544,986.82	0.00	0.00	29,544,986.82
162500 - Land Improvements	623,922.90	0.00	0.00	623,922.90
163000 - Buildings	2,042,347.11	0.00	0.00	2,042,347.11
165000 - Machinery & Equipment	207,498.45	0.00	0.00	207,498.45
165100 - Machinery & Equipment - O & M	616,580.80	0.00	0.00	616,580.80
165200 - Machinery & Equipment - Water	333,315.87	0.00	0.00	333,315.87
165300 - Machinery & Equipment - Projects	87,917.52	0.00	0.00	87,917.52
165400 - Machinery & Equipment - I & E	2,628.66	0.00	0.00	2,628.66
165505 - Rural Water Equipment	0.00	17,997.98	26,996.98	44,994.96
165507 - Lake Wanahoo Equipment	24,000.00	0.00	0.00	24,000.00
167000 - Auto and Truck	354,605.97	0.00	0.00	354,605.97
169000 - Equipment	15,057.27	0.00	0.00	15,057.27
169100 - Office Equipment	20,031.58	0.00	0.00	20,031.58
169200 - Computer Equipment	60,185.54	0.00	0.00	60,185.54
169300 - GIS Equipment	13,422.53	0.00	0.00	13,422.53

Preliminary Draft

Lower Platte North NRD
Statements of Net Position

	Natural Resources District As of 07/31/2024	Rural Water-Bruno As of 07/31/2024	Rural Water-Colon As of 07/31/2024	All Districts As of 07/31/2024
169400 - Director's Computers	2,903.67	0.00	0.00	2,903.67
169500 - Master Data Base Water	332,795.00	0.00	0.00	332,795.00
169700 - GW Monitoring Equipment	129,185.43	0.00	0.00	129,185.43
Total Fixed Assets	**45,483,677.70**	**744,154.49**	**1,209,072.03**	**47,436,904.22**
Accumulated Depreciation				
140228 - Accum Depr - Colon Loan Fees	0.00	0.00	808.38	808.38
162900 - Accum Depr - Infra. & Land Imp.	4,617,283.27	0.00	0.00	4,617,283.27
164000 - Accum Depr - Buildings	570,813.71	0.00	0.00	570,813.71
165700 - Accum Depr - Water Line	0.00	149,927.10	284,824.90	434,752.00
166000 - Accum Depr - Machinery & Equipment	609,958.68	16,464.81	24,697.06	651,120.55
168000 - Accum Depr - Auto & Truck	249,534.38	0.00	0.00	249,534.38
169550 - Accum Depr - Master DB Water	115,170.53	0.00	0.00	115,170.53
170000 - Accum Depr - Office Equipment	98,103.87	0.00	0.00	98,103.87
Total Accumulated Depreciation	**6,260,864.44**	**166,391.91**	**310,330.34**	**6,737,586.69**
Total Property and Equipment	**39,222,813.26**	**577,762.58**	**898,741.69**	**40,699,317.53**
Total Assets	**$ 48,483,478.73**	**$ 592,718.14**	**$ 926,152.82**	**$ 50,002,349.69**
Liabilities and Fund Balance				
Liabilities				
Current Liabilities				
Accounts Payable				
201000 - Accounts Payable	327,997.71	3,205.67	3,067.90	334,271.28
201100 - Sewer Collections Payable	0.00	0.00	2,633.60	2,633.60
202060 - Due to General Fund	0.00	197,989.42	13,337.36	211,326.78
Total Accounts Payable	**327,997.71**	**201,195.09**	**19,038.86**	**548,231.66**
Accrued Liabilities				
200700 - Colon RW Accrued Interest	0.00	0.00	855.20	855.20
206001 - Accrued Compensated Absences	224,731.87	3,331.07	4,996.60	233,059.54
207305 - Lodging Tax Czechland	340.70	0.00	0.00	340.70
207306 - Sales Tax Payable Wanahoo	952.62	0.00	0.00	952.62
207307 - Lodging Tax Wanahoo	866.02	0.00	0.00	866.02
Total Accrued Liabilities	**226,891.21**	**3,331.07**	**5,851.80**	**236,074.08**
Other Current Liabilities				
204000 - Deposits	0.00	400.00	3,400.00	3,800.00
204500 - Deferred Income	38,722.74	0.00	0.00	38,722.74
204600 - Education Building Deposits	10,460.00	0.00	0.00	10,460.00
207300 - Sales Tax Payable	67.80	340.51	210.78	619.09
207304 - Sales Tax Payable Czechland	171.93	0.00	0.00	171.93
231000 - Permits Liability - DEE	64.00	0.00	0.00	64.00
Total Other Current Liabilities	**49,486.47**	**740.51**	**3,610.78**	**53,837.76**
Total Current Liabilities	**604,375.39**	**205,266.67**	**28,501.44**	**838,143.50**
Long Term Liabilities				
Note Payable - Long Term				
200600 - Note Payable - Colon Rural Water	0.00	0.00	23,679.57	23,679.57
Total Long Term Note Payable	**0.00**	**0.00**	**23,679.57**	**23,679.57**
Total Long Term Liabilities	**0.00**	**0.00**	**23,679.57**	**23,679.57**
Total Liabilities	**604,375.39**	**205,266.67**	**52,181.01**	**861,823.07**
Fund Balances				
Net Assets	**47,976,072.12**	**384,036.71**	**872,725.32**	**49,232,834.15**

Preliminary Draft

Lower Platte North NRD
Statements of Net Position

	Natural Resources District As of 07/31/2024	Rural Water-Bruno As of 07/31/2024	Rural Water-Colon As of 07/31/2024	All Districts As of 07/31/2024
Change in Net Position	**(96,968.78)**	**3,414.76**	**1,246.49**	**(92,307.53)**
Total Fund Balances	**47,879,103.34**	**387,451.47**	**873,971.81**	**49,140,526.62**
Total Liabilities and Fund Balance	**$ 48,483,478.73**	**$ 592,718.14**	**$ 926,152.82**	**$ 50,002,349.69**

Preliminary Draft

Lower Platte North NRD
Statements of Activities
For the Month Ended

	Natural Resources District Month Ending 07/31/2024	Rural Water-Bruno Month Ending 07/31/2024	Rural Water-Colon Month Ending 07/31/2024	All Districts Month Ending 07/31/2024
Income				
Federal Income				
303206 - Wahoo Creek 319 Grant	0.00	0.00	0.00	0.00
303207 - Shell Creek 319 Grant	0.00	0.00	0.00	0.00
303209 - Shell Creek Phase II 319 - NDEE	0.00	0.00	0.00	0.00
303210 - Shell Creek Phase II - 319 DEQ	0.00	0.00	0.00	0.00
303225 - Wahoo Creek WS PL566	16,260.02	0.00	0.00	16,260.02
303250 - Water Smart Grant	0.00	0.00	0.00	0.00
303400 - Sand and Duck 319	0.00	0.00	0.00	0.00
303475 - Cottonwood 319	0.00	0.00	0.00	0.00
303960 - Hazard Mitigation - Federal	11,353.88	0.00	0.00	11,353.88
303961 - FEMA - Flood Funds	0.00	0.00	0.00	0.00
303966 - FEMA - Hazard Mitigation Plan Update	0.00	0.00	0.00	0.00
303962 - NEMA - Flood Funds	0.00	0.00	0.00	0.00
303963 - FEMA - 428 Funds	30,704.69	0.00	0.00	30,704.69
303964 - Federal - NRCS	0.00	0.00	0.00	0.00
303965 - Federal Wanahoo - Stilling	0.00	0.00	0.00	0.00
Total Federal Income	**$ 58,318.59**	**$ 0.00**	**$ 0.00**	**$ 58,318.59**
State Income				
301203 - Motor Vehicle Pro-Rate	294.58	0.00	0.00	294.58
301310 - Shell Creek NET	1,528.63	0.00	0.00	1,528.63
301325 - JEDI Funding	18,501.81	0.00	0.00	18,501.81
Total State Income	**20,325.02**	**0.00**	**0.00**	**20,325.02**
Local Income				
304105 - Education Building Rent	1,415.00	0.00	0.00	1,415.00
304112 - Dirt Sales - Wanahoo	531.59	0.00	0.00	531.59
Total Local Income	**1,946.59**	**0.00**	**0.00**	**1,946.59**
Rural Water Income				
304240 - Water Sales	0.00	8,096.00	5,160.30	13,256.30
304295 - Colon Sewer Fees	0.00	0.00	2,778.35	2,778.35
304261 - Other Revenue	0.00	10.01	52.33	62.34
Total Rural Water Income	**0.00**	**8,106.01**	**7,990.98**	**16,096.99**
Property Tax Income				
305100 - General Fund Property Taxes-Boone	1,107.58	0.00	0.00	1,107.58
305200 - General Fund Property Taxes-Butler	12.94	0.00	0.00	12.94
305300 - General Fund Property Taxes-Colfax	143.84	0.00	0.00	143.84
305400 - General Fund Property Taxes-Dodge	(5.86)	0.00	0.00	(5.86)
305500 - General Fund Property Taxes-Madison	0.65	0.00	0.00	0.65
305600 - General Fund Property Taxes-Platte	9.57	0.00	0.00	9.57
305700 - General Fund Property Taxes-Saunders	759.50	0.00	0.00	759.50
Total Property Tax Income	**2,028.22**	**0.00**	**0.00**	**2,028.22**
Investment Income				
311350 - Interest - NPAIT Elkhorn	636.42	0.00	0.00	636.42
311400 - Interest - NPAIT Wanahoo SRA	2,598.93	0.00	0.00	2,598.93
311500 - Interest - NPAIT NRD	11.47	0.00	0.00	11.47
311600 - Interest - STFIT NRD	25,290.37	0.00	0.00	25,290.37
311700 - Interest - UBT NRD	88.84	0.00	0.00	88.84
304350 - Colon RW Interest - NPAIT	0.00	0.00	41.85	41.85
Total Investment Income	**28,626.03**	**0.00**	**41.85**	**28,667.88**
Miscellaneous Income				
309100 - Sales - Trees	465.00	0.00	0.00	465.00
309350 - Sales - Well Permits	150.00	0.00	0.00	150.00
309360 - Sales - Sample Kits	1,660.00	0.00	0.00	1,660.00
309500 - Equipment Rent	1,532.20	0.00	0.00	1,532.20
310000 - Chemigation Permits	1,190.00	0.00	0.00	1,190.00
310100 - Check Valve Sales	330.34	0.00	0.00	330.34
310200 - Czechland Camping Fees	2,797.77	0.00	0.00	2,797.77
310201 - Wanahoo Park Permits	9,151.50	0.00	0.00	9,151.50
310202 - Lake Wanahoo Camping	16,037.36	0.00	0.00	16,037.36
313000 - Miscellaneous Income	711.09	0.00	0.00	711.09
315000 - RWD Administrative Fees	662.82	0.00	0.00	662.82
316000 - Employee/Director Reimb	(911.77)	0.00	0.00	(911.77)
317000 - Loss Or Gain On Sale Of Assets	3,704.47	0.00	0.00	3,704.47
Total Miscellaneous Income	**37,480.78**	**0.00**	**0.00**	**37,480.78**
Total Income	**148,725.23**	**8,106.01**	**8,032.83**	**164,864.07**

Preliminary Draft

Lower Platte North NRD
Statements of Activities
For the Month Ended

	Natural Resources District Month Ending 07/31/2024	Rural Water-Bruno Month Ending 07/31/2024	Rural Water-Colon Month Ending 07/31/2024	All Districts Month Ending 07/31/2024
Expenses				
Administration Expenses				
Dues & Membership				
410202 - Dues & Membership - NACD	148.00	0.00	0.00	148.00
410203 - Dues - NARD	2,714.66	0.00	0.00	2,714.66
410204 - Dues - NWRA	1,950.00	0.00	0.00	1,950.00
Total Dues & Membership	**4,812.66**	**0.00**	**0.00**	**4,812.66**
Fees and Licenses				
410302 - NRD Fees And Licenses	100.00	0.00	0.00	100.00
410304 - NRD Union Bank Fees	45.04	0.00	0.00	45.04
Total Fees and Licenses	**145.04**	**0.00**	**0.00**	**145.04**
Insurance				
410501 - Insurance-Auto	949.42	0.00	0.00	949.42
410502 - Insurance-Errors & Omissions	538.08	0.00	0.00	538.08
410504 - Insurance-Liability	5,337.00	0.00	0.00	5,337.00
410505 - Insurance-Property	2,194.84	0.00	0.00	2,194.84
Total Insurance	**9,019.34**	**0.00**	**0.00**	**9,019.34**
Interest Expense				
410600 - Interest Expense	0.00	0.00	85.52	85.52
Total Interest Expense	**0.00**	**0.00**	**85.52**	**85.52**
Legal Notices				
410701 - Legal Notices	69.86	0.00	0.00	69.86
Total Legal Notices	**69.86**	**0.00**	**0.00**	**69.86**
Maintenance Contracts				
410800 - Maintenance Contracts	310.23	0.00	0.00	310.23
Total Maintenance Contracts	**310.23**	**0.00**	**0.00**	**310.23**
Office Supply & Expense				
410901 - Copier Supplies	244.95	0.00	0.00	244.95
410902 - Office Supplies & Equip	156.52	0.00	0.00	156.52
Total Office Supply & Expense	**401.47**	**0.00**	**0.00**	**401.47**
Computer Supply & Expense				
411002 - Computer Consultant	398.00	0.00	0.00	398.00
411003 - Computer Repairs & Parts	34.99	0.00	0.00	34.99
411004 - Computer Software	459.01	0.00	0.00	459.01
411006 - Email	414.00	0.00	0.00	414.00
411011 - Computers & Equipment	349.00	0.00	0.00	349.00
Total Computer Supply & Expense	**1,655.00**	**0.00**	**0.00**	**1,655.00**
Postage				
411200 - Postage	1,009.75	0.00	0.00	1,009.75
Total Postage	**1,009.75**	**0.00**	**0.00**	**1,009.75**
Professional Services				
411301 - Prof Serv-Accounting	7,325.00	0.00	0.00	7,325.00
411304 - Prof Serv-Legal - General	500.00	0.00	0.00	500.00
411311 - Washington Expense	2,200.00	0.00	0.00	2,200.00
Total Professional Services	**10,025.00**	**0.00**	**0.00**	**10,025.00**
Telephone Expense				
411601 - Telephone - Cellular	1,003.58	0.00	0.00	1,003.58
411602 - Local Phone & Internet	797.51	0.00	0.00	797.51
Total Telephone Expense	**1,801.09**	**0.00**	**0.00**	**1,801.09**
Utilities				
411700 - Utilities Expense	695.94	0.00	0.00	695.94
Total Utilities	**695.94**	**0.00**	**0.00**	**695.94**
Total Administration Expenses	**29,945.38**	**0.00**	**85.52**	**30,030.90**
Information & Education Expenses				
Education				
420106 - Miscellaneous Education Expense	290.00	0.00	0.00	290.00
420109 - Education Outreach	200.00	0.00	0.00	200.00
Total Education	**490.00**	**0.00**	**0.00**	**490.00**
Information				
420201 - Annual Report/Viaduct	2,100.90	0.00	0.00	2,100.90
420203 - Expositions And Display	296.15	0.00	0.00	296.15
420209 - Ktic Ad	217.00	0.00	0.00	217.00
420211 - E-Ads	140.00	0.00	0.00	140.00

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Lower Platte North NRD
Statements of Activities
For the Month Ended

	Natural Resources District Month Ending 07/31/2024	Rural Water-Bruno Month Ending 07/31/2024	Rural Water-Colon Month Ending 07/31/2024	All Districts Month Ending 07/31/2024
Total Information	**2,754.05**	**0.00**	**0.00**	**2,754.05**
Other				
420401 - Art Supplies	16.13	0.00	0.00	16.13
420404 - Promotional Materials	498.30	0.00	0.00	498.30
Total Other	**514.43**	**0.00**	**0.00**	**514.43**
Total Information & Education Expenses	**3,758.48**	**0.00**	**0.00**	**3,758.48**
Operation & Maintenance				
Auto and Truck				
430101 - Auto & Truck Gas	2,190.08	0.00	0.00	2,190.08
430102 - Auto & Truck R&M	735.70	0.00	0.00	735.70
Total Auto and Truck	**2,925.78**	**0.00**	**0.00**	**2,925.78**
Building Maintenance				
430201 - Bldg Maintenance	15.96	0.00	0.00	15.96
430202 - Office Cleaning	495.00	0.00	0.00	495.00
430203 - Garbage Maintenance	107.95	0.00	0.00	107.95
Total Building Maintenance	**618.91**	**0.00**	**0.00**	**618.91**
Operation and Maintenance				
430401 - Czechland & Homestead	718.82	0.00	0.00	718.82
430402 - Equipment Upkeep	1,118.61	0.00	0.00	1,118.61
430403 - Operation & Maintenance	356.66	0.00	0.00	356.66
430406 - Wanahoo Park Operation	721.58	0.00	0.00	721.58
430407 - Monitoring Wanahoo Dam	6,714.94	0.00	0.00	6,714.94
430408 - Wanahoo Rec Mgmt	7,936.77	0.00	0.00	7,936.77
430409 - Lake Wanahoo Education Building	502.67	0.00	0.00	502.67
Total Operation and Maintenance	**18,070.05**	**0.00**	**0.00**	**18,070.05**
Other				
430804 - O&M One-Call Services	27.20	0.00	0.00	27.20
Total Other	**27.20**	**0.00**	**0.00**	**27.20**
Total Operation & Maintenance	**21,641.94**	**0.00**	**0.00**	**21,641.94**
Personnel Expenses				
Employee Benefits				
440301 - Dental Insurance	1,815.38	0.00	0.00	1,815.38
440302 - Health Insurance	32,714.22	0.00	0.00	32,714.22
440303 - Retirement Benefit - 414H	2,668.81	0.00	0.00	2,668.81
440306 - Workmans Comp Benefit	889.08	0.00	0.00	889.08
440307 - Employee Benefits - Other	(31.16)	0.00	0.00	(31.16)
440309 - Flexible Spending Fee	16.00	0.00	0.00	16.00
Total Employee Benefits	**38,072.33**	**0.00**	**0.00**	**38,072.33**
Payroll Taxes				
440401 - FICA - ER	2,986.91	0.00	0.00	2,986.91
440402 - Medicare - ER	698.54	0.00	0.00	698.54
Total Payroll Taxes	**3,685.45**	**0.00**	**0.00**	**3,685.45**
Personnel Expense				
440501 - Personnel Meeting Exp	132.32	0.00	0.00	132.32
440502 - Personnel Mileage Exp	88.44	0.00	0.00	88.44
Total Personnel Expense	**220.76**	**0.00**	**0.00**	**220.76**
Salaries				
440601 - Salaries - Administration	9,172.34	0.00	0.00	9,172.34
440602 - Salaries - Clerical	1,201.86	0.00	0.00	1,201.86
440604 - Salaries - I & E	4,491.77	0.00	0.00	4,491.77
440605 - Salaries - Op & Maint	8,686.20	0.00	0.00	8,686.20
440606 - NRCS Support	7,320.10	0.00	0.00	7,320.10
440607 - Salaries - Projects	4,023.11	0.00	0.00	4,023.11
440608 - Salaries - Water	15,351.58	0.00	0.00	15,351.58
440616 - Lake Wanhoo Park Op.	6,662.28	0.00	0.00	6,662.28
Total Salaries	**56,909.24**	**0.00**	**0.00**	**56,909.24**
Total Personnel Expenses	**98,887.78**	**0.00**	**0.00**	**98,887.78**
Projects Expenses				
Inter-Governmental				
450123 - Hazard Mitigation Update	15,138.50	0.00	0.00	15,138.50
Total Inter-Governmental	**15,138.50**	**0.00**	**0.00**	**15,138.50**
Total Projects Expenses	**15,138.50**	**0.00**	**0.00**	**15,138.50**
Water Expenses				
Groundwater Management Plan				

Preliminary Draft

Lower Platte North NRD
Statements of Activities
For the Month Ended

	Natural Resources District Month Ending 07/31/2024	Rural Water-Bruno Month Ending 07/31/2024	Rural Water-Colon Month Ending 07/31/2024	All Districts Month Ending 07/31/2024
460101 - GWMP - Cost - Share	139.25	0.00	0.00	139.25
Total Groundwater Management Plan	**139.25**	**0.00**	**0.00**	**139.25**
Groundwater Programs				
460204 - GW Quality Program	1,069.49	0.00	0.00	1,069.49
460206 - Monitoring Wells	15.85	0.00	0.00	15.85
460209 - Groundwater Programs Other	603.00	0.00	0.00	603.00
460213 - GW Memberships and Subscriptions	300.00	0.00	0.00	300.00
Total Groundwater Programs	**1,988.34**	**0.00**	**0.00**	**1,988.34**
Regulatory				
460301 - Chemigation	88.90	0.00	0.00	88.90
Total Regulatory	**88.90**	**0.00**	**0.00**	**88.90**
Special Projects				
460504 - ENWRA	2,500.00	0.00	0.00	2,500.00
460520 - Nitrate Assessment	7,802.50	0.00	0.00	7,802.50
460522 - Groundwater Management Plan Rev	7,375.38	0.00	0.00	7,375.38
Total Special Projects	**17,677.88**	**0.00**	**0.00**	**17,677.88**
Land Treatment				
450803 - Shell Creek Watershed Plan 319	1,528.63	0.00	0.00	1,528.63
Total Land Treatment	**1,528.63**	**0.00**	**0.00**	**1,528.63**
Total Water Expenses	**21,423.00**	**0.00**	**0.00**	**21,423.00**
Rural Water District Expenses				
570201 - Water Purchase	0.00	3,048.03	1,359.49	4,407.52
570204 - Testing	0.00	30.00	30.00	60.00
570206 - Repair	0.00	0.00	111.39	111.39
570207 - Other Expenses	0.00	0.00	(79.90)	(79.90)
570208 - Lpnnrd Adm. Fee	0.00	404.80	258.02	662.82
570210 - Health/Life/Vision/LTD - ER	0.00	202.16	303.23	505.39
570211 - Dental - ER	0.00	21.72	32.59	54.31
570212 - 414H ER Contributions	0.00	57.51	86.26	143.77
570215 - ER Social Security Tax	0.00	54.93	79.58	134.51
570216 - ER Medicare Tax	0.00	12.85	18.61	31.46
570217 - Salaries	0.00	97.64	191.95	289.59
570219 - Fees And Licenses	0.00	17.13	25.68	42.81
570220 - Rural Water One-Call	0.00	1.60	4.80	6.40
570223 - Rural Water Gasoline	0.00	64.97	91.03	156.00
570308 - Colon Meter House Expense	0.00	0.00	117.42	117.42
570309 - Colon Sewer Collections	0.00	0.00	2,633.60	2,633.60
Total Rural Water District Expenses	**0.00**	**4,013.34**	**5,263.75**	**9,277.09**
Depreciation Expense				
Depreciation				
908000 - Depreciation Expense	54,898.93	677.91	1,432.90	57,009.74
908350 - Amortization Expense - Colon	0.00	0.00	4.17	4.17
Total Depreciation	**54,898.93**	**677.91**	**1,437.07**	**57,013.91**
Total Depreciation Expense	**54,898.93**	**677.91**	**1,437.07**	**57,013.91**
Total Expenses	**245,694.01**	**4,691.25**	**6,786.34**	**257,171.60**
Total Change in Net Position	**$ (96,968.78)**	**$ 3,414.76**	**$ 1,246.49**	**$ (92,307.53)**

Preliminary Draft

Lower Platte North NRD
Supplemental Schedule
Statements of Activities - Actual vs. Budget

	Month Ending 07/31/2024 MTD Actual	Annual Budget June 30, 2025 FY2025	$ Difference Annual Budget	Percentage Annual Budget
Change in Net Position				
Income				
Federal Income				
303206 - Wahoo Creek 319 Grant	0.00	30,000.00	(30,000.00)	0.00 %
303207 - Shell Creek 319 Grant	0.00	160,000.00	(160,000.00)	0.00 %
303225 - Wahoo Creek WS PL566	16,260.02	1,000,000.00	(983,739.98)	1.63 %
303960 - Hazard Mitigation - Federal	11,353.88	159,750.00	(148,396.12)	7.11 %
303961 - FEMA - Flood Funds	0.00	375,000.00	(375,000.00)	0.00 %
303962 - NEMA - Flood Funds	0.00	142,087.00	(142,087.00)	0.00 %
303963 - FEMA - 428 Funds	30,704.69	540,182.00	(509,477.31)	5.68 %
303964 - Federal - NRCS	0.00	115,552.00	(115,552.00)	0.00 %
Total Federal Income	**58,318.59**	**2,522,571.00**	**(2,464,252.41)**	**2.31 %**
State Income				
301201 - Natural Resources WQ Fund	0.00	50,000.00	(50,000.00)	0.00 %
301202 - Decommissioned Wells	0.00	6,000.00	(6,000.00)	0.00 %
301203 - Motor Vehicle Pro-Rate	294.58	8,400.00	(8,105.42)	3.51 %
301309 - Water Sustainability Fund	0.00	100,000.00	(100,000.00)	0.00 %
301310 - Shell Creek NET	1,528.63	100,000.00	(98,471.37)	1.53 %
301325 - JEDI Funding	18,501.81	4,000,000.00	(3,981,498.19)	0.46 %
301900 - State Grant - NE Buffer Strip	0.00	52,500.00	(52,500.00)	0.00 %
304100 - Lake Wanahoo - Other	0.00	25,000.00	(25,000.00)	0.00 %
Total State Income	**20,325.02**	**4,341,900.00**	**(4,321,574.98)**	**0.47 %**
Local Income				
304105 - Education Building Rent	1,415.00	17,000.00	(15,585.00)	8.32 %
304112 - Dirt Sales - Wanahoo	531.59	10,000.00	(9,468.41)	5.32 %
304400 - Flow Meter Maint. Reimb.	0.00	1,000.00	(1,000.00)	0.00 %
304500 - JWMAB	0.00	15,500.00	(15,500.00)	0.00 %
Total Local Income	**1,946.59**	**43,500.00**	**(41,553.41)**	**4.47 %**
Property Tax Income				
305100 - General Fund Property Taxes-Boone	1,107.58	96,000.00	(94,892.42)	1.15 %
305200 - General Fund Property Taxes-Butler	12.94	370,000.00	(369,987.06)	0.00 %
305300 - General Fund Property Taxes-Colfax	143.84	318,500.00	(318,356.16)	0.05 %
305400 - General Fund Property Taxes-Dodge	(5.86)	1,064,000.00	(1,064,005.86)	(0.00) %
305500 - General Fund Property Taxes-Madison	0.65	48,500.00	(48,499.35)	0.00 %
305600 - General Fund Property Taxes-Platte	9.57	401,000.00	(400,990.43)	0.00 %
305700 - General Fund Property Taxes-Saunders	759.50	1,185,000.00	(1,184,240.50)	0.06 %
Total Property Tax Income	**2,028.22**	**3,483,000.00**	**(3,480,971.78)**	**0.06 %**
Investment Income				
311350 - Interest - NPAIT Elkhorn	636.42	1,200.00	(563.58)	53.04 %
311400 - Interest - NPAIT Wanahoo SRA	2,598.93	25,000.00	(22,401.07)	10.40 %
311500 - Interest - NPAIT NRD	11.47	100.00	(88.53)	11.47 %
311600 - Interest - STFIT NRD	25,290.37	150,000.00	(124,709.63)	16.86 %
311700 - Interest - UBT NRD	88.84	1,000.00	(911.16)	8.88 %
Total Investment Income	**28,626.03**	**177,300.00**	**(148,673.97)**	**16.15 %**
Miscellaneous Income				
309100 - Sales - Trees	465.00	30,000.00	(29,535.00)	1.55 %
309350 - Sales - Well Permits	150.00	1,750.00	(1,600.00)	8.57 %
309360 - Sales - Sample Kits	1,660.00	2,000.00	(340.00)	83.00 %
309400 - Sales - Other	0.00	3,500.00	(3,500.00)	0.00 %

Preliminary Draft

Lower Platte North NRD
Supplemental Schedule
Statements of Activities - Actual vs. Budget

	Month Ending 07/31/2024 MTD Actual	Annual Budget June 30, 2025 FY2025	$ Difference Annual Budget	Percentage Annual Budget
309500 - Equipment Rent	1,532.20	8,500.00	(6,967.80)	18.03 %
310000 - Chemigation Permits	1,190.00	24,000.00	(22,810.00)	4.96 %
310100 - Check Valve Sales	330.34	1,000.00	(669.66)	33.03 %
310200 - Czechland Camping Fees	2,797.77	10,000.00	(7,202.23)	27.98 %
310201 - Wanahoo Park Permits	9,151.50	85,000.00	(75,848.50)	10.77 %
310202 - Lake Wanahoo Camping	16,037.36	120,000.00	(103,962.64)	13.36 %
312000 - Salaries-Other NRD	0.00	95,000.00	(95,000.00)	0.00 %
313000 - Miscellaneous Income	711.09	20,000.00	(19,288.91)	3.56 %
315000 - RWD Administrative Fees	662.82	5,500.00	(4,837.18)	12.05 %
316000 - Employee/Director Reimb	(911.77)	3,000.00	(3,911.77)	(30.39) %
317000 - Loss Or Gain On Sale Of Assets	3,704.47	800,000.00	(796,295.53)	0.46 %
318000 - Special Project Income	0.00	35,000.00	(35,000.00)	0.00 %
Total Miscellaneous Income	**37,480.78**	**1,244,250.00**	**(1,206,769.22)**	**3.01 %**
Total Income	**148,725.23**	**11,812,521.00**	**(11,663,795.77)**	**1.26 %**
Expenses				
Administration Expenses				
Bonds				
410100 - Bonds	0.00	1,500.00	(1,500.00)	0.00 %
Total Bonds	**0.00**	**1,500.00**	**(1,500.00)**	**0.00 %**
Dues & Membership				
410201 - Dues & Membership - Chamber	0.00	450.00	(450.00)	0.00 %
410202 - Dues & Membership - NACD	148.00	1,776.00	(1,628.00)	8.33 %
410203 - Dues - NARD	2,714.66	33,227.00	(30,512.34)	8.17 %
410204 - Dues - NWRA	1,950.00	1,950.00	0.00	100.00 %
410205 - Dues & Membership - Other	0.00	3,200.00	(3,200.00)	0.00 %
Total Dues & Membership	**4,812.66**	**40,603.00**	**(35,790.34)**	**11.85 %**
Fees and Licenses				
410302 - NRD Fees And Licenses	100.00	30,000.00	(29,900.00)	0.33 %
410304 - NRD Union Bank Fees	45.04	600.00	(554.96)	7.51 %
Total Fees and Licenses	**145.04**	**30,600.00**	**(30,454.96)**	**0.47 %**
GIS				
410401 - GIS Activities	0.00	2,000.00	(2,000.00)	0.00 %
Total GIS	**0.00**	**2,000.00**	**(2,000.00)**	**0.00 %**
Insurance				
410501 - Insurance-Auto	949.42	16,000.00	(15,050.58)	5.93 %
410502 - Insurance-Errors & Omissions	538.08	7,100.00	(6,561.92)	7.58 %
410504 - Insurance-Liability	5,337.00	71,000.00	(65,663.00)	7.52 %
410505 - Insurance-Property	2,194.84	26,000.00	(23,805.16)	8.44 %
Total Insurance	**9,019.34**	**120,100.00**	**(111,080.66)**	**7.51 %**
Legal Notices				
410701 - Legal Notices	69.86	4,000.00	(3,930.14)	1.75 %
410702 - Other Notices and Advertising	0.00	100.00	(100.00)	0.00 %
Total Legal Notices	**69.86**	**4,100.00**	**(4,030.14)**	**1.70 %**
Maintenance Contracts				
410800 - Maintenance Contracts	310.23	5,000.00	(4,689.77)	6.20 %
Total Maintenance Contracts	**310.23**	**5,000.00**	**(4,689.77)**	**6.20 %**
Office Supply & Expense				
410901 - Copier Supplies	244.95	1,000.00	(755.05)	24.50 %
410902 - Office Supplies & Equip	156.52	6,000.00	(5,843.48)	2.61 %

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410903 - Franklin Supplies	0.00	500.00	(500.00)	0.00 %
410904 - Letterhead, Envelopes & Forms	0.00	1,500.00	(1,500.00)	0.00 %
410905 - Reference Books	0.00	1,000.00	(1,000.00)	0.00 %
410906 - Office Expense - Other	0.00	2,500.00	(2,500.00)	0.00 %
Total Office Supply & Expense	**401.47**	**12,500.00**	**(12,098.53)**	**3.21 %**
Computer Supply & Expense				
411002 - Computer Consultant	398.00	15,000.00	(14,602.00)	2.65 %
411003 - Computer Repairs & Parts	34.99	5,000.00	(4,965.01)	0.70 %
411004 - Computer Software	459.01	13,500.00	(13,040.99)	3.40 %
411005 - Computer Magazines/Video	0.00	100.00	(100.00)	0.00 %
411006 - Email	414.00	4,500.00	(4,086.00)	9.20 %
411011 - Computers & Equipment	349.00	8,000.00	(7,651.00)	4.36 %
411012 - Website Design & Hosting	0.00	350.00	(350.00)	0.00 %
Total Computer Supply & Expense	**1,655.00**	**46,450.00**	**(44,795.00)**	**3.56 %**
Postage				
411200 - Postage	1,009.75	4,500.00	(3,490.25)	22.44 %
Total Postage	**1,009.75**	**4,500.00**	**(3,490.25)**	**22.44 %**
Professional Services				
411301 - Prof Serv-Accounting	7,325.00	92,400.00	(85,075.00)	7.93 %
411302 - Prof Serv-Annual Audit	0.00	14,900.00	(14,900.00)	0.00 %
411304 - Prof Serv-Legal - General	500.00	12,000.00	(11,500.00)	4.17 %
411305 - Prof Serv-Legal-Other	0.00	3,000.00	(3,000.00)	0.00 %
411307 - Prof Services-Other	0.00	3,000.00	(3,000.00)	0.00 %
411311 - Washington Expense	2,200.00	27,600.00	(25,400.00)	7.97 %
Total Professional Services	**10,025.00**	**152,900.00**	**(142,875.00)**	**6.56 %**
Rent Expense				
411400 - Rent Expense	0.00	1,500.00	(1,500.00)	0.00 %
Total Rent Expense	**0.00**	**1,500.00**	**(1,500.00)**	**0.00 %**
Support to Organizations				
411501 - Locally Lead Conservation Groups	0.00	500.00	(500.00)	0.00 %
411502 - R C & D Organizations	0.00	500.00	(500.00)	0.00 %
Total Support to Organizations	**0.00**	**1,000.00**	**(1,000.00)**	**0.00 %**
Telephone Expense				
411601 - Telephone - Cellular	1,003.58	12,500.00	(11,496.42)	8.03 %
411602 - Local Phone & Internet	797.51	10,000.00	(9,202.49)	7.98 %
Total Telephone Expense	**1,801.09**	**22,500.00**	**(20,698.91)**	**8.00 %**
Utilities				
411700 - Utilities Expense	695.94	12,000.00	(11,304.06)	5.80 %
Total Utilities	**695.94**	**12,000.00**	**(11,304.06)**	**5.80 %**
Total Administration Expenses	**29,945.38**	**457,253.00**	**(427,307.62)**	**6.55 %**
Information & Education Expenses				
Education				
420103 - Land & Range Judging Contest	0.00	1,000.00	(1,000.00)	0.00 %
420104 - Outdoor Classrooms	0.00	2,500.00	(2,500.00)	0.00 %
420106 - Miscellaneous Education Expense	290.00	500.00	(210.00)	58.00 %
420107 - Water Testing Event	0.00	500.00	(500.00)	0.00 %
420108 - Spring Conservation Sensation	0.00	3,500.00	(3,500.00)	0.00 %
420109 - Education Outreach	200.00	3,500.00	(3,300.00)	5.71 %
Total Education	**490.00**	**11,500.00**	**(11,010.00)**	**4.26 %**

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Information				
420201 - Annual Report/Viaduct	2,100.90	15,000.00	(12,899.10)	14.01 %
420202 - Books And Pamphlets	0.00	1,000.00	(1,000.00)	0.00 %
420203 - Expositions And Display	296.15	2,000.00	(1,703.85)	14.81 %
420205 - Phrography, Cameras, Video	0.00	1,500.00	(1,500.00)	0.00 %
420206 - Soil & Water Stewardship Mat.	0.00	100.00	(100.00)	0.00 %
420208 - Miscellaneous	0.00	1,500.00	(1,500.00)	0.00 %
420209 - Ktic Ad	217.00	3,500.00	(3,283.00)	6.20 %
420211 - E-Ads	140.00	1,700.00	(1,560.00)	8.24 %
420212 - TV Promotion	0.00	3,500.00	(3,500.00)	0.00 %
420213 - Promotion Videos	0.00	3,000.00	(3,000.00)	0.00 %
Total Information	**2,754.05**	**32,800.00**	**(30,045.95)**	**8.40 %**
Scholarships and Grants				
420305 - Camp And Workshop Scholarships	0.00	3,000.00	(3,000.00)	0.00 %
420307 - Shell Crk Watershd Scholarship	0.00	3,000.00	(3,000.00)	0.00 %
420309 - Middle/High School Natural Resources Grant	0.00	1,000.00	(1,000.00)	0.00 %
Total Scholarships and Grants	**0.00**	**7,000.00**	**(7,000.00)**	**0.00 %**
Other				
420401 - Art Supplies	16.13	250.00	(233.87)	6.45 %
420402 - Cooperative Projects/Donations	0.00	500.00	(500.00)	0.00 %
420404 - Promotional Materials	498.30	4,000.00	(3,501.70)	12.46 %
420405 - Recognition Banquet & Awards	0.00	2,000.00	(2,000.00)	0.00 %
420407 - Cooperative Partnerships	0.00	1,000.00	(1,000.00)	0.00 %
420409 - N.American Envirothon	0.00	1,000.00	(1,000.00)	0.00 %
420410 - Continuing Ed - I&E Dept	0.00	500.00	(500.00)	0.00 %
Total Other	**514.43**	**9,250.00**	**(8,735.57)**	**5.56 %**
Total Information & Education Expenses	**3,758.48**	**60,550.00**	**(56,791.52)**	**6.21 %**
Operation & Maintenance				
Auto and Truck				
430101 - Auto & Truck Gas	2,190.08	25,000.00	(22,809.92)	8.76 %
430102 - Auto & Truck R&M	735.70	7,200.00	(6,464.30)	10.22 %
Total Auto and Truck	**2,925.78**	**32,200.00**	**(29,274.22)**	**9.09 %**
Building Maintenance				
430201 - Bldg Maintenance	15.96	3,500.00	(3,484.04)	0.46 %
430202 - Office Cleaning	495.00	6,000.00	(5,505.00)	8.25 %
430203 - Garbage Maintenance	107.95	1,200.00	(1,092.05)	9.00 %
Total Building Maintenance	**618.91**	**10,700.00**	**(10,081.09)**	**5.78 %**
Community Forestry Program				
430300 - Community Forestry	0.00	2,000.00	(2,000.00)	0.00 %
Total Community Forestry Program	**0.00**	**2,000.00**	**(2,000.00)**	**0.00 %**
Operation and Maintenance				
430401 - Czechland & Homestead	718.82	6,500.00	(5,781.18)	11.06 %
430402 - Equipment Upkeep	1,118.61	12,000.00	(10,881.39)	9.32 %
430403 - Operation & Maintenance	356.66	166,000.00	(165,643.34)	0.21 %
430404 - Tree Supplies	0.00	250.00	(250.00)	0.00 %
430406 - Wanahoo Park Operation	721.58	60,000.00	(59,278.42)	1.20 %
430407 - Monitoring Wanahoo Dam	6,714.94	20,000.00	(13,285.06)	33.57 %
430408 - Wanahoo Rec Mgmt	7,936.77	60,000.00	(52,063.23)	13.23 %
430409 - Lake Wanahoo Education Building	502.67	15,000.00	(14,497.33)	3.35 %

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Total Operation and Maintenance	**18,070.05**	**339,750.00**	**(321,679.95)**	**5.32 %**
Project Repairs				
430503 - Project Repairs - Other	0.00	5,000.00	(5,000.00)	0.00 %
430504 - Rawhide Channel Maintenance	0.00	2,000.00	(2,000.00)	0.00 %
Total Project Repairs	**0.00**	**7,000.00**	**(7,000.00)**	**0.00 %**
Steam Bank Stabilization				
430601 - Stream Bank - Perennial Streams	0.00	5,000.00	(5,000.00)	0.00 %
430602 - Stream Bank - Platte/Elkhorn Rivers	0.00	10,000.00	(10,000.00)	0.00 %
Total Steam Bank Stabilization	**0.00**	**15,000.00**	**(15,000.00)**	**0.00 %**
Wildlife Habitat Programs				
430701 - Wild Nebraska	0.00	1,000.00	(1,000.00)	0.00 %
Total Wildlife Habitat Programs	**0.00**	**1,000.00**	**(1,000.00)**	**0.00 %**
Other				
430801 - NRCS Flags	0.00	1,000.00	(1,000.00)	0.00 %
430802 - Stock For Resale - Trees	0.00	15,000.00	(15,000.00)	0.00 %
430803 - Lower Platte Weed Mgmt Area	0.00	60,000.00	(60,000.00)	0.00 %
430804 - O&M One-Call Services	27.20	150.00	(122.80)	18.13 %
430805 - IceJam Monitoring	0.00	500.00	(500.00)	0.00 %
Total Other	**27.20**	**76,650.00**	**(76,622.80)**	**0.04 %**
Total Operation & Maintenance	**21,641.94**	**484,300.00**	**(462,658.06)**	**4.47 %**
Personnel Expenses				
Director Expense				
440101 - Director Meeting Expense	0.00	20,000.00	(20,000.00)	0.00 %
440102 - Director Mileage Expense	0.00	16,000.00	(16,000.00)	0.00 %
440104 - Computer Stipend	0.00	5,700.00	(5,700.00)	0.00 %
Total Director Expense	**0.00**	**41,700.00**	**(41,700.00)**	**0.00 %**
Director Per Diem				
440200 - Director Per Diem	0.00	30,000.00	(30,000.00)	0.00 %
Total Director Per Diem	**0.00**	**30,000.00**	**(30,000.00)**	**0.00 %**
Employee Benefits				
440301 - Dental Insurance	1,815.38	24,000.00	(22,184.62)	7.56 %
440302 - Health Insurance	32,714.22	385,000.00	(352,285.78)	8.50 %
440303 - Retirement Benefit - 414H	2,668.81	89,000.00	(86,331.19)	3.00 %
440304 - Retirement Benefit - 457 Plan	0.00	4,000.00	(4,000.00)	0.00 %
440305 - Tuition Reimbursement	0.00	3,000.00	(3,000.00)	0.00 %
440306 - Workmans Comp Benefit	889.08	23,000.00	(22,110.92)	3.87 %
440307 - Employee Benefits - Other	(31.16)	2,500.00	(2,531.16)	(1.25) %
440309 - Flexible Spending Fee	16.00	300.00	(284.00)	5.33 %
440311 - Unemployment Insurance Benefit	0.00	500.00	(500.00)	0.00 %
440312 - Accrued Compensated Absences	0.00	1,000.00	(1,000.00)	0.00 %
Total Employee Benefits	**38,072.33**	**532,300.00**	**(494,227.67)**	**7.15 %**
Payroll Taxes				
440401 - FICA - ER	2,986.91	83,000.00	(80,013.09)	3.60 %
440402 - Medicare - ER	698.54	19,500.00	(18,801.46)	3.58 %
Total Payroll Taxes	**3,685.45**	**102,500.00**	**(98,814.55)**	**3.60 %**
Personnel Expense				
440501 - Personnel Meeting Exp	132.32	35,000.00	(34,867.68)	0.38 %
440502 - Personnel Mileage Exp	88.44	3,500.00	(3,411.56)	2.53 %
440503 - Safety Committee	0.00	1,000.00	(1,000.00)	0.00 %

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440504 - Personnel Uniform Exp	0.00	2,500.00	(2,500.00)	0.00 %
440505 - Personnel Exp-Other	0.00	1,200.00	(1,200.00)	0.00 %
Total Personnel Expense	**220.76**	**43,200.00**	**(42,979.24)**	**0.51 %**
Salaries				
440601 - Salaries - Administration	9,172.34	263,680.00	(254,507.66)	3.48 %
440602 - Salaries - Clerical	1,201.86	31,248.00	(30,046.14)	3.85 %
440603 - Employee Recognition Program	0.00	1,300.00	(1,300.00)	0.00 %
440604 - Salaries - I & E	4,491.77	116,786.00	(112,294.23)	3.85 %
440605 - Salaries - Op & Maint	8,686.20	226,291.00	(217,604.80)	3.84 %
440606 - NRCS Support	7,320.10	284,747.00	(277,426.90)	2.57 %
440607 - Salaries - Projects	4,023.11	104,601.00	(100,577.89)	3.85 %
440608 - Salaries - Water	15,351.58	391,895.00	(376,543.42)	3.92 %
440616 - Lake Wanhoo Park Op.	6,662.28	95,000.00	(88,337.72)	7.01 %
Total Salaries	**56,909.24**	**1,515,548.00**	**(1,458,638.76)**	**3.76 %**
Total Personnel Expenses	**98,887.78**	**2,265,248.00**	**(2,166,360.22)**	**4.37 %**
Projects Expenses				
Inter-Governmental				
450110 - Platte Center Bank Stab. Phase LI	0.00	1,000.00	(1,000.00)	0.00 %
450114 - Trails	0.00	15,000.00	(15,000.00)	0.00 %
450115 - Dike & Drainage Assistance	0.00	60,000.00	(60,000.00)	0.00 %
450119 - JWMAB Dodge Co	0.00	45,000.00	(45,000.00)	0.00 %
450123 - Hazard Mitigation Update	15,138.50	213,000.00	(197,861.50)	7.11 %
Total Inter-Governmental	**15,138.50**	**334,000.00**	**(318,861.50)**	**4.53 %**
Special Projects				
450309 - SA No-Till Conf/Shell Creek	0.00	1,000.00	(1,000.00)	0.00 %
Total Special Projects	**0.00**	**1,000.00**	**(1,000.00)**	**0.00 %**
Wanahoo				
450506 - Lake Level Mgmt Plan	0.00	5,000.00	(5,000.00)	0.00 %
450509 - Wanahoo - Other	0.00	5,000.00	(5,000.00)	0.00 %
Total Wanahoo	**0.00**	**10,000.00**	**(10,000.00)**	**0.00 %**
Other Projects				
450705 - Schuyler 205	0.00	13,000.00	(13,000.00)	0.00 %
Total Other Projects	**0.00**	**13,000.00**	**(13,000.00)**	**0.00 %**
Platte River Corridor Alliance				
411101 - PRCA - Administration	0.00	6,843.00	(6,843.00)	0.00 %
411129 - USGS Monitoring at Leshara	0.00	5,320.00	(5,320.00)	0.00 %
Total Platte River Corridor Alliance	**0.00**	**12,163.00**	**(12,163.00)**	**0.00 %**
Total Projects Expenses	**15,138.50**	**370,163.00**	**(355,024.50)**	**4.09 %**
Water Expenses				
Groundwater Management Plan				
460101 - GWMP - Cost - Share	139.25	15,000.00	(14,860.75)	0.93 %
460102 - GWMP - Information & Education	0.00	1,500.00	(1,500.00)	0.00 %
460103 - GWMP - Nitrogen Classes	0.00	3,000.00	(3,000.00)	0.00 %
460104 - GWMP - Permits	0.00	100.00	(100.00)	0.00 %
460110 - Basin Wide Water Plan	0.00	10,000.00	(10,000.00)	0.00 %
460111 - Flow Meter Maintenance	0.00	24,000.00	(24,000.00)	0.00 %
Total Groundwater Management Plan	**139.25**	**53,600.00**	**(53,460.75)**	**0.26 %**
Groundwater Programs				
460201 - Decommissioned Wells	0.00	19,000.00	(19,000.00)	0.00 %

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460203 - GW Levels	0.00	500.00	(500.00)	0.00 %
460204 - GW Quality Program	1,069.49	15,000.00	(13,930.51)	7.13 %
460205 - Mead - NOP	0.00	100.00	(100.00)	0.00 %
460206 - Monitoring Wells	15.85	10,000.00	(9,984.15)	0.16 %
460209 - Groundwater Programs Other	603.00	28,000.00	(27,397.00)	2.15 %
460212 - GW Monitoring Equip SQS#2	0.00	250.00	(250.00)	0.00 %
460213 - GW Memberships and Subscriptions	300.00	5,500.00	(5,200.00)	5.45 %
Total Groundwater Programs	**1,988.34**	**78,350.00**	**(76,361.66)**	**2.54 %**
Regulatory				
460301 - Chemigation	88.90	1,000.00	(911.10)	8.89 %
460302 - Irrigation Runoff	0.00	750.00	(750.00)	0.00 %
Total Regulatory	**88.90**	**1,750.00**	**(1,661.10)**	**5.08 %**
Surface Water Programs				
460403 - Stream Flow	0.00	19,010.00	(19,010.00)	0.00 %
Total Surface Water Programs	**0.00**	**19,010.00**	**(19,010.00)**	**0.00 %**
Special Projects				
460503 - Special Projects - Other	0.00	56,000.00	(56,000.00)	0.00 %
460504 - ENWRA	2,500.00	30,000.00	(27,500.00)	8.33 %
460519 - Hydrological Study	0.00	165,000.00	(165,000.00)	0.00 %
460520 - Nitrate Assessment	7,802.50	25,000.00	(17,197.50)	31.21 %
460521 - Lower Platte Consortium	0.00	250.00	(250.00)	0.00 %
460522 - Groundwater Management Plan Rev	7,375.38	73,000.00	(65,624.62)	10.10 %
Total Special Projects	**17,677.88**	**349,250.00**	**(331,572.12)**	**5.06 %**
Land Treatment				
450201 - Ne Buffer Strip	0.00	52,000.00	(52,000.00)	0.00 %
450204 - Shell Creek	0.00	20,000.00	(20,000.00)	0.00 %
450206 - Emergency Terrace Repair	0.00	5,000.00	(5,000.00)	0.00 %
450207 - Nswcp Supplement	0.00	25,000.00	(25,000.00)	0.00 %
450211 - Trees	0.00	3,000.00	(3,000.00)	0.00 %
450802 - Wahoo Creek Watershed Plan-319	0.00	30,000.00	(30,000.00)	0.00 %
450803 - Shell Creek Watershed Plan 319	1,528.63	260,000.00	(258,471.37)	0.59 %
Total Land Treatment	**1,528.63**	**395,000.00**	**(393,471.37)**	**0.39 %**
Total Water Expenses	**21,423.00**	**896,960.00**	**(875,537.00)**	**2.39 %**
Total Expenses	**190,795.08**	**4,534,474.00**	**(4,343,678.92)**	**4.21 %**
Total Change in Net Position	**(42,069.85)**	**7,278,047.00**	**(7,320,116.85)**	**(0.58) %**

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Supplemental Schedule
Statements of Activities - Actual vs. Budget
Rural Water District - Bruno

	Month Ending 07/31/2024 MTD Actual	Annual Budget June 30, 2025 FY2025	$ Difference Annual Budget	Percentage Annual Budget
Change in Net Position				
Rural Water Income				
304240 - Water Sales	8,096.00	42,400.00	(34,304.00)	19.09 %
304261 - Other Revenue	10.01	2,000.00	(1,989.99)	0.50 %
Total Rural Water Income	**8,106.01**	**44,400.00**	**(36,293.99)**	**18.26 %**
Rural Water District Expenses				
570201 - Water Purchase	3,048.03	25,800.00	(22,751.97)	11.81 %
570204 - Testing	30.00	400.00	(370.00)	7.50 %
570206 - Repair	0.00	1,600.00	(1,600.00)	0.00 %
570207 - Other Expenses	0.00	600.00	(600.00)	0.00 %
570208 - Lpnnrd Adm. Fee	404.80	2,200.00	(1,795.20)	18.40 %
570210 - Health/Life/Vision/LTD - ER	202.16	2,600.00	(2,397.84)	7.78 %
570211 - Dental - ER	21.72	300.00	(278.28)	7.24 %
570212 - 414H ER Contributions	57.51	840.00	(782.49)	6.85 %
570215 - ER Social Security Tax	54.93	1,080.00	(1,025.07)	5.09 %
570216 - ER Medicare Tax	12.85	260.00	(247.15)	4.94 %
570217 - Salaries	97.64	10,000.00	(9,902.36)	0.98 %
570219 - Fees And Licenses	17.13	400.00	(382.87)	4.28 %
570220 - Rural Water One-Call	1.60	50.00	(48.40)	3.20 %
570221 - Rural Water Hand Tools & Supplies	0.00	200.00	(200.00)	0.00 %
570222 - RW Dues And Memberships	0.00	220.00	(220.00)	0.00 %
570223 - Rural Water Gasoline	64.97	600.00	(535.03)	10.83 %
570224 - Rural Water Personnel Meeting	0.00	400.00	(400.00)	0.00 %
570229 - Rural Water Insurance Expense	0.00	400.00	(400.00)	0.00 %
570230 - Rural Water Equipment Rental	0.00	1,000.00	(1,000.00)	0.00 %
570231 - Rural Water Equipment Upkeep	0.00	1,000.00	(1,000.00)	0.00 %
570232 - Rural Water Compensated Absences	0.00	400.00	(400.00)	0.00 %
Total Rural Water District Expenses	**4,013.34**	**50,350.00**	**(46,336.66)**	**7.97 %**
Total Change in Net Position	**4,092.67**	**(5,950.00)**	**10,042.67**	**(68.78) %**

Preliminary Draft

Lower Platte North NRD
Supplemental Schedule
Statements of Activities - Actual vs. Budget
Rural Water District - Colon

	Month Ending 07/31/2024 MTD Actual	Annual Budget June 30, 2025 FY2025	$ Difference Annual Budget	Percentage Annual Budget
Change in Net Position				
Rural Water Income				
304240 - Water Sales	5,160.30	63,600.00	(58,439.70)	8.11 %
304275 - Colon Hook Up Fees	0.00	6,000.00	(6,000.00)	0.00 %
304295 - Colon Sewer Fees	2,778.35	31,000.00	(28,221.65)	8.96 %
304261 - Other Revenue	52.33	3,000.00	(2,947.67)	1.74 %
Total Rural Water Income	**7,990.98**	**103,600.00**	**(95,609.02)**	**7.71 %**
Investment Income				
304350 - Colon RW Interest - NPAIT	41.85	400.00	(358.15)	10.46 %
Total Investment Income	**41.85**	**400.00**	**(358.15)**	**10.46 %**
Rural Water District Expenses				
570201 - Water Purchase	1,359.49	17,200.00	(15,840.51)	7.90 %
570204 - Testing	30.00	600.00	(570.00)	5.00 %
570206 - Repair	111.39	2,400.00	(2,288.61)	4.64 %
570207 - Other Expenses	(79.90)	900.00	(979.90)	(8.88) %
570208 - Lpnnrd Adm. Fee	258.02	3,300.00	(3,041.98)	7.82 %
570210 - Health/Life/Vision/LTD - ER	303.23	3,900.00	(3,596.77)	7.78 %
570211 - Dental - ER	32.59	450.00	(417.41)	7.24 %
570212 - 414H ER Contributions	86.26	1,260.00	(1,173.74)	6.85 %
570215 - ER Social Security Tax	79.58	1,620.00	(1,540.42)	4.91 %
570216 - ER Medicare Tax	18.61	390.00	(371.39)	4.77 %
570217 - Salaries	191.95	15,000.00	(14,808.05)	1.28 %
570219 - Fees And Licenses	25.68	600.00	(574.32)	4.28 %
570220 - Rural Water One-Call	4.80	75.00	(70.20)	6.40 %
570221 - Rural Water Hand Tools & Supplies	0.00	300.00	(300.00)	0.00 %
570222 - RW Dues And Memberships	0.00	330.00	(330.00)	0.00 %
570223 - Rural Water Gasoline	91.03	900.00	(808.97)	10.11 %
570224 - Rural Water Personnel Meeting	0.00	600.00	(600.00)	0.00 %
570229 - Rural Water Insurance Expense	0.00	600.00	(600.00)	0.00 %
570230 - Rural Water Equipment Rental	0.00	1,500.00	(1,500.00)	0.00 %
570231 - Rural Water Equipment Upkeep	0.00	1,500.00	(1,500.00)	0.00 %
570232 - Rural Water Compensated Absences	0.00	600.00	(600.00)	0.00 %
570305 - Colon - Annual Bond Payment	0.00	3,355.00	(3,355.00)	0.00 %
570308 - Colon Meter House Expense	117.42	1,250.00	(1,132.58)	9.39 %
570309 - Colon Sewer Collections	2,633.60	31,000.00	(28,366.40)	8.50 %
570330 - Colon RW Bad Debt Expense	0.00	1,000.00	(1,000.00)	0.00 %
Total Rural Water District Expenses	**5,263.75**	**90,630.00**	**(85,366.25)**	**5.81 %**
Total Change in Net Position	**2,769.08**	**13,370.00**	**(10,600.92)**	**20.71 %**

Preliminary Draft

Lower Platte North NRD

Supplemental Schedule - Actual vs. Budget - Capital Expenses and Debt Service Payments

	Year To Date 7/31/2024 *Actual*	Year Ending 6/30/2025 *Budget*	$ Difference Annual Budget	Percentage Annual Budget
Capital Improvements - Real Property				
Generator	0.00	60,622.00	(60,622.00)	0.00%
Storage Building 40x60	0.00	204,000.00	(204,000.00)	0.00%
Wahoo Creek Design/Flood Reduction Real Estate Svc	5,558.23	0.00	5,558.23	0.00%
Wahoo Creek Additional Dams	29,203.60	0.00	29,203.60	0.00%
Office Building	186,126.75	2,200,000.00	(2,013,873.25)	0.00%
Office Building - Furnishings/Infrastructure	0.00	150,000.00	(150,000.00)	0.00%
Cottonwood 21A	0.00	82,552.00	(82,552.00)	0.00%
Wanahoo FEMA Repairs	0.00	500,000.00	(500,000.00)	0.00%
Wanahoo Utility Improvements	427.50	35,000.00	(34,572.50)	0.00%
Wanahoo Fish Cleaning Station	0.00	15,000.00	(15,000.00)	0.00%
Wanahoo General Store	0.00	25,000.00	(25,000.00)	0.00%
Large Structure O&M Sinking Fund	0.00	100,000.00	(100,000.00)	0.00%
District Wide Flood Reduction Sinking Fund	0.00	400,000.00	(400,000.00)	0.00%
JWMAB Sinking Fund	0.00	440,000.00	(440,000.00)	0.00%
Total Capital Improvements - Real Property	**221,316.08**	**4,212,174.00**	**(3,990,857.92)**	**5.25%**
Capital Outlay				
Machinery & Equipment (Gooseneck Trailer, Dump Trailer, Boom Lift, Wanahoo Pontoon Boat)	58,116.32	141,616.00	(83,499.68)	41.04%
Auto and Trucks (1/2 Ton Truck, Replacement Vehicle)	0.00	80,000.00	(80,000.00)	0.00%
Flow Meter	0.00	12,310.00	(12,310.00)	0.00%
RW Billing Software & Reader	0.00	12,570.00	(12,570.00)	0.00%
Other Capital Outlay - Equipment	0.00	0.00	0.00	0.00%
Total Capital Outlay	**58,116.32**	**246,496.00**	**(188,379.68)**	**0.00%**
Additional Expenditures				
New Office Building	0.00	1,250,000.00	(1,250,000.00)	0.00%
Special Projects-Platte	0.00	50,000.00	(50,000.00)	0.00%
Special Projects-Saunders	0.00	3,650,000.00	(3,650,000.00)	0.00%
Total Additional Expenditures	**0.00**	**4,950,000.00**	**(4,950,000.00)**	**0.00%**
Debt Service Payments				
Colon RW Note	0.00	3,355.00	(3,355.00)	0.00%
Total Debt Service Payments	**0.00**	**3,355.00**	**(3,355.00)**	**0.00%**
Grand Total All Expenses w/o Depreciation	**479,504.57**	**14,087,479.00**	**(13,607,974.43)**	**3.40%**

Preliminary Draft

Week #1

Lower Platte North NRD Time Sheet

Name Eric Gottschalk

Period Covered 7/13/24 to 7/19/24

You must enter "pm" for times after 12:59 or the form will not calculate correctly!

	Date	Start Time	Stop Time	Work Hours	Other Hours	Duties Performed	Miles	Meals	Other Exp.
Sat	7/13								
Sun	7/14								
Mon	7/15	7:30 am 1:45 pm	12:45 pm 4:45 pm	8.25		Leadership Team Meeting, Budget, Wanahoo boat,			
Tues	7/16	7:45 am 10:30 am 1:45 pm	10:15 am 1:00 pm 4:30 pm	7.75		District management, Wahoo Creek Budget			
Wed	7/17	8:00 am 1:45 pm	1:00 pm 5:00 pm	8.25		Budget, Personnel, NRCS Review - Jessica Marty, Metos Online Meeting,			
Thurs	7/18	7:30 am 1:30 pm	12:45 pm 5:00 pm	8.75		GMDA morning, District management, Personnel, Budget			
Fri	7/19				8.00	Out A.L.			
			Week #1 Totals	33	8		0	$0.00	$0.00

Supervisor	Manager	Assistant Manager	Treasurer
	E		
Date	Date	Date	Date
	7/29/24		

I CERTIFY THAT THE ABOVE INFORMATION IS CORRECT

Signature of person filing form — Date 7/24/24

Expenses

Mileage x 0.67	$ 0.00
Meals	$0.00
Other Exp.	$0.00
Total	**$ 0.00**

Week #2

Lower Platte North NRD Time Sheet

Name Eric Gottschalk

Period Covered 7/20/24 to 7/26/24

You must enter "pm" for times after 12:59 or the form will not calculate correctly!

	Date	Start Time	Stop Time	Work Hours	Other Hours	Duties Performed	Miles	Meals	Other Exp.
Sat	7/20								
Sun	7/21								
Mon	7/22				8.00	Out A.L.			
Tues	7/23	7:45 am 1:45 pm	1:00 pm 4:45 pm	8.25		messages, e-mail catch-up, Personnel, Budget, Cottonwood 21A meeting w/HDR			
Wed	7/24	8:00 am 1:45 pm	12:45 pm 4:45 pm	7.75		Wanahoo planning/budget, Water dept. meeting Water dept. budget review			
Thurs	7/25	8:00 am 1:00 pm	12:00 pm 4:45 pm	7.75		Budget, Meet with Andrew Phillips Cottonwood 21A meeting with NRCS & HDR,			
Fri	7/26	7:45 am	3:00 pm	7.25		Budget, Metos online meeting, Wanahoo deposits/envelopes			
	Week #2 Totals			31	8		0	$0.00	$0.00
	Totals Week #1			33	8		0	$0.00	$0.00
	Two Week Totals			**64**	**16**		**0**	**$0.00**	**$0.00**

Annual Leave & Sick Leave

	Previous Balance	Earned This Pay Period	Used This Pay Period	New Balance
Annual Leave	240.00	8.00	16.00	**232.00**
Sick Leave	768.00	4.00	0.00	**772.00**

#	Program Areas	Hours
11	Administration	24.00
14	District Management	32.50
15	Personnel	7.50
31	I&E Administration	
41	O&M Administration	
51	Projects Administration	
61	Water Administration	
71	Rural Water Administration	
52	Conservation Program	
Holiday		
1	Annual Leave	16.00
2	Sick Leave	
Other		
	Total:	**80**

RESET FORM

This will delete ALL data on form, including name, AL/SL values and Program Areas labels.

Week #1

Lower Platte North NRD Time Sheet

Name Eric Gottschalk

Period Covered 7/27/24 to 8/2/24

You must enter "pm" for times after 12:59 or the form will not calculate correctly!

	Date	Start Time	Stop Time	Work Hours	Other Hours	Duties Performed	Miles	Meals	Other Exp.
Sat	7/27								
Sun	7/28								
Mon	7/29	7:30 am 12:30 pm	12:00 pm 4:45 pm	8.75		Leadership Team meeting, Budget, NARD Benefits Committee - York, Time Sheets			
Tues	7/30	7:45 am 1:00 pm	12:15 pm 5:00 pm	8.50		Wanahoo deposits/envelopes, Budget, Time sheets, Meet w/Governor - NARD w/Kelly,			
Wed	7/31	8:00 am 11:45 am	11:15 am 4:45 pm	11.00		Budget, IT meeting with HELM Interactive, Budget New office construction progress meeting, Committee prep, Water Committee			
		5:45 pm	8:30 pm						
Thurs	8/1	7:30 am 1:45 pm	1:15 pm 4:45 pm	8.75		Budget, Wanahoo, Personnel, State Budget Worksheet			
Fri	8/2	8:00 am 1:45 pm	12:30 pm 4:30 pm	7.25		Budget, Wahoo Creek, Workshop prep, Wanahoo deposits/envelopes			
		Week #1 Totals		44.25	0		0	$0.00	$0.00

Supervisor	Manager	Assistant Manager	Treasurer
	E		
Date	Date	Date	Date
	8/13/24		

I CERTIFY THAT THE ABOVE INFORMATION IS CORRECT

Signature of person filing form — Date 8/13/24

Expenses

Mileage x 0.67	$ 0.00
Meals	$0.00
Other Exp.	$0.00
Total	**$ 0.00**

Week #2

Lower Platte North NRD Time Sheet

Name Eric Gottschalk

Period Covered 8/3/24 to 8/9/24

You must enter "pm" for times after 12:59 or the form will not calculate correctly!

	Date	Start Time	Stop Time	Work Hours	Other Hours	Duties Performed	Miles	Meals	Other Exp.
Sat	8/3								
Sun	8/4								
Mon	8/5	7:30 am 2:30 pm	2:00 pm 4:30 pm	8.50		Budget, State Budget Spreadsheet, Personnel,			
Tues	8/6	7:45 am 1:30 pm	12:30 pm 8:00 pm	11.25		Budget, Personnel, Wahoo Creek Easement meeting, Budget Workshop			
Wed	8/7	8:15 am	4:45 pm	8.50		Budget, Wanahoo construction progress, Present to Greater Wahoo Development JEO - John Petersen - Round-a-bout			
Thurs	8/8	7:30 am 2:00 pm	12:15 pm 4:45 pm	7.50		Budget, Meet w/Little Blue NRD - Accounting Services - HBE, Wanahoo round-a-bout,			
Fri	8/9					Out			
			Week #2 Totals	35.75	0		0	$0.00	$0.00
			Totals Week #1	44.25	0		0	$0.00	$0.00
			Two Week Totals	**80**	**0**		**0**	**$0.00**	**$0.00**

Annual Leave & Sick Leave

	Previous Balance	Earned This Pay Period	Used This Pay Period	New Balance
Annual Leave	232.00	8.00	0.00	**240.00**
Sick Leave	772.00	4.00	0.00	**776.00**

#	Program Areas	Hours
11	Administration	30.00
14	District Management	37.50
15	Personnel	12.50
31	I&E Administration	
41	O&M Administration	
51	Projects Administration	
61	Water Administration	
71	Rural Water Administration	
52	Conservation Program	
Holiday		
1	Annual Leave	
2	Sick Leave	
Other		
	Total:	**80**

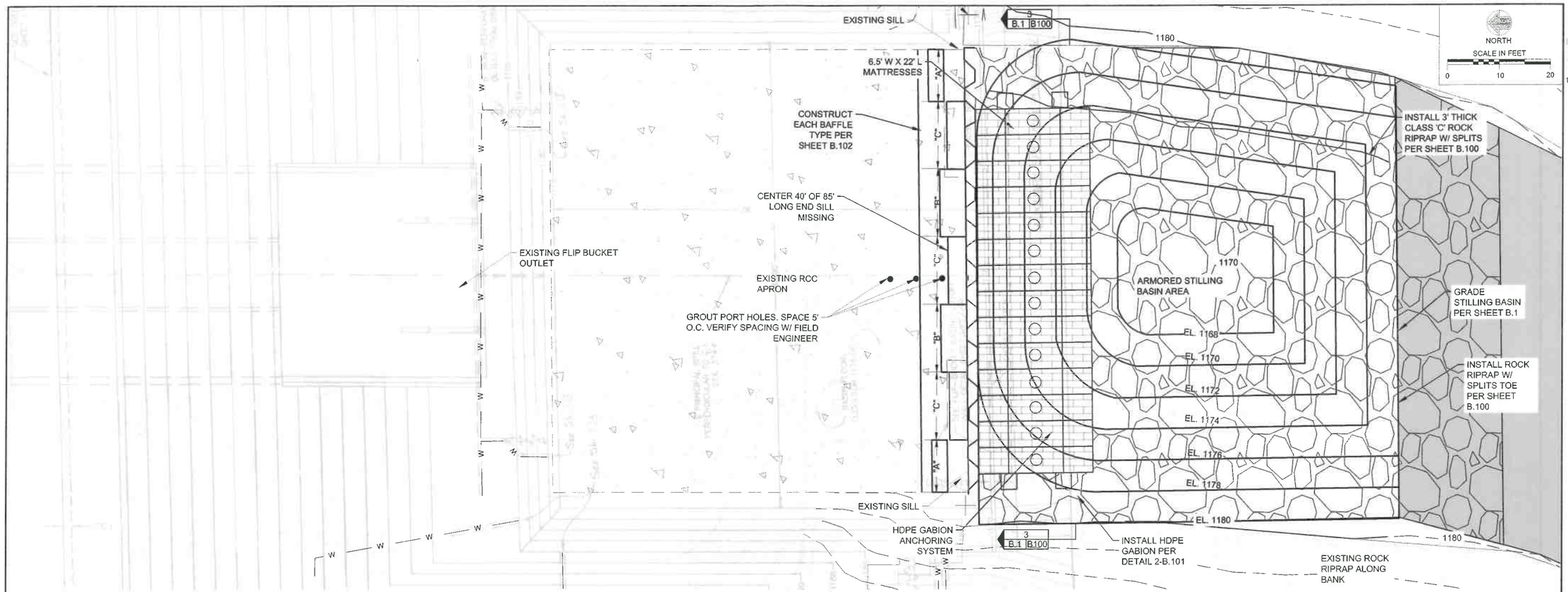
RESET FORM

This will delete ALL data on form, including name, AL/SL values and Program Areas labels.

Lower Platte North Natural Resources District
Accounts Receivable Aging Summary as of 7/31/24

Accounts Receivable acct 105000

Customer	Invoice/Purpose	Current	0-30 Days	31-60 Days	61 and Over	Totals
Bruno/David City RW Customers	Multiple	8326.27	0.00	0.00	0.00	**8,326.27**
Colon RW Customers	Multiple	8122.68	0.00	0.00	0.00	**8,122.68**
DEE 319 Funds	Bill Bos Payroll	0.00	0.00	0	5,511.69	**5,511.69**
	Shell Creek Septic - Reed - Miller - Brabec - Runge - Goedeken/Helmer	0.00	0.00	0.00	21,295.63	**21,295.63**
	Shell Creek Decommissioned Well - Goering-Gehring	0.00	0.00	0.00	1,307.96	**1,307.96**
Department of Natural Resources	FYRA - Wahoo Creek WS Plan/EA & WSF	0.00	0.00	0.00	3,168.00	**3,168.00**
FEMA	Bobcat of Omaha - 428 Funds	0.00	172,025.08	0.00	95,136.79	**267,161.87**
	O&M - Ty's Outdoor Power	0.00	0.00	0.00	864.48	**864.48**
	TelePole Prunner - Ty's Outdoor Power	0.00	0.00	0.00	605.62	**605.62**
	Elway Power Sports of Lincoln	0.00	0.00	0.00	17,822.29	**17,822.29**
	Platte Valley Equipment - 428 Funds - Mower	0.00	0.00	0.00	23,146.84	**23,146.84**
	UBT Visa - 428 Funds (captial outlay small items)	0.00	0.00	0.00	1,037.83	**1,037.83**
	428 Fema Funds - Anderson Ford Lincoln-Klute Truck Equip-Platte Valley Equip-Platte	30,704.69	0.00	0.00	238,476.60	**269,181.29**
Flow Meter Maintenance	Tri City Meters	0.00	0.00	0.00	216.00	**216.00**
Hazard Mitigation Federal	Hazard Mitigation Update - Jeo	11,353.88	11,578.88	16,239.75	0.00	**39,172.51**
JEDI	Olsson - Wahoo Creek WS & 7 Dam Sites Phase II	5,253.99	0.00	0.00	54,850.25	**60,104.24**
	Olsson - Wahoo Creek WS - 3 Dam Sites	7,689.59	0.00	0.00	6,511.68	**14,201.27**
	Olsson - Wahoo Creek Real Estate Services	5,558.23	0.00	0.00	8,809.34	**14,367.57**
	Bromm Lindahl - Legal	0.00	1,609.50	0.00	0.00	**1,609.50**
	Saunders Co Planning & Zoning - Conditional Use Permit	0.00	0.00	0.00	0.00	**0.00**
	Permanent Easement - Snitily-Fujan-Vanek	0.00	0.00	0.00	0.00	**0.00**
NDEE	Shell Creek 319 - Forestry Suppliers	0.00	0.00	0.00	298.08	**298.08**
	Shell Creek 319 - Nelson	0.00	0.00	4,847.51	0.00	**4,847.51**
	Shell Creek 319 - Cornhusker State Ind	0.00	1,632.00	0.00	0.00	**1,632.00**
NET	Bill Bos Payroll	1,528.63	1,808.52	1,808.52	1,840.82	**6,986.49**
	Shell Creek - Forestry Suppliers	0.00	209.85	0.00	0.00	**209.85**
NRD	NRCS Wage Reimbursement FY24 - LPSNRD, UBBNRD, Lower Elkhorn	0.00	0.00	0.00	0.00	**0.00**
NRCS Federal	Cottonwood 21A - HDR Engineering	0.00	15,613.52	32,069.64	179,446.01	**227,129.17**
NRCS WFPO	Olsson Assoc - Wahoo Creek WS & Dam Sites Phase II	16,260.02	36,296.65	8,056.30	11,453.01	**72,065.98**
		94,797.98	**240,774.00**	**63,021.72**	**671,798.92**	**1,070,392.62**



WANAHOO STILLING BASIN PLAN VIEW

SCALE IN FEET

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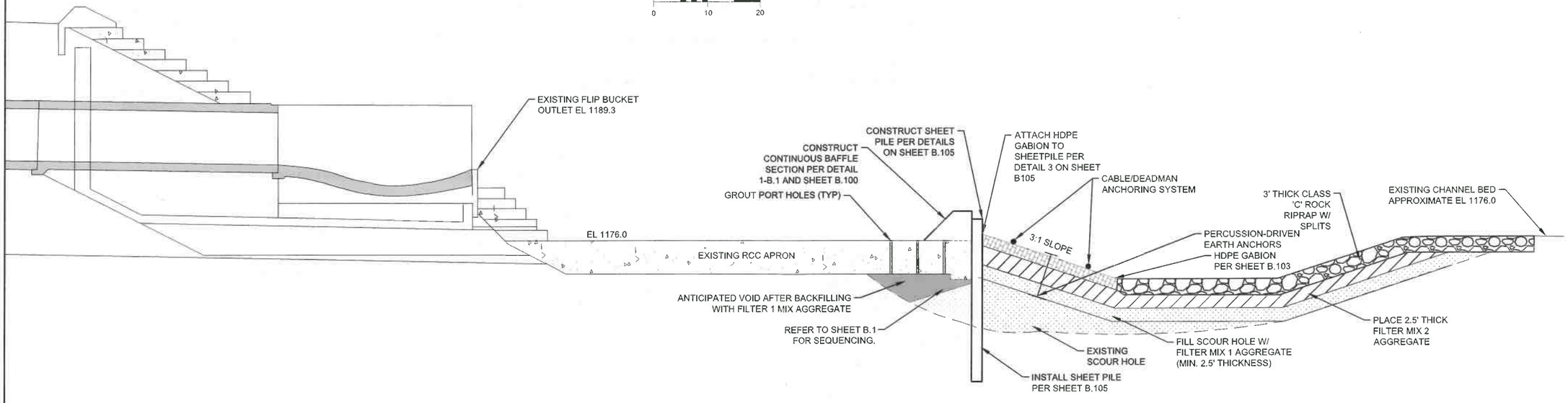


WANAHOO STILLING BASIN CENTERLINE PROFILE VIEW

SCALE IN FEET

0 10 20

FYRA ENGINEERING
12702 Westport Pkwy, Ste 300
Omaha, Nebraska 68138
402.502.7131
www.fyraengineering.com

WANAHOO DAM STILLING BASIN REHABILITATION
LOWER PLATTE NORTH NATURAL RESOURCES DISTRICT
WAHOO, NEBRASKA
2020

ENGINEER'S SEAL

PROFESSIONAL CIVIL ENGINEER
MICHAEL KRAK
E-8759
STATE OF NEBRASKA

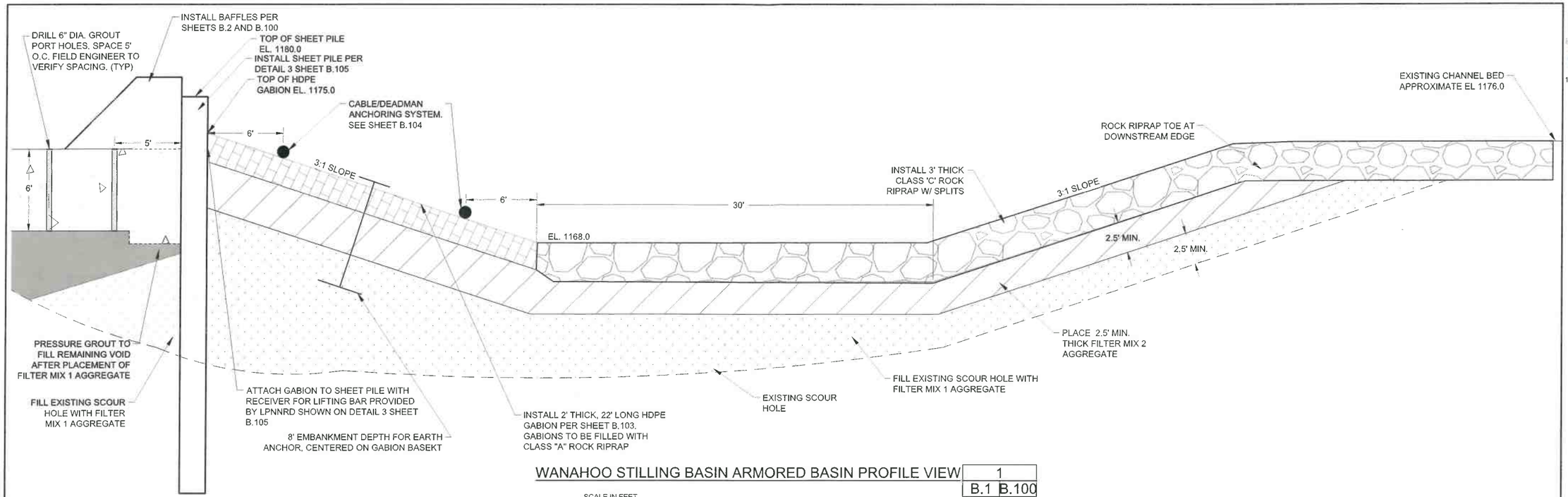
REVISIONS

NO.	DATE

DESIGNED BY:	MKS
DRAWN BY:	MRJ
QA / QC BY:	MKS
PROJECT NO.:	022-19-01
DATE:	07.01.2020

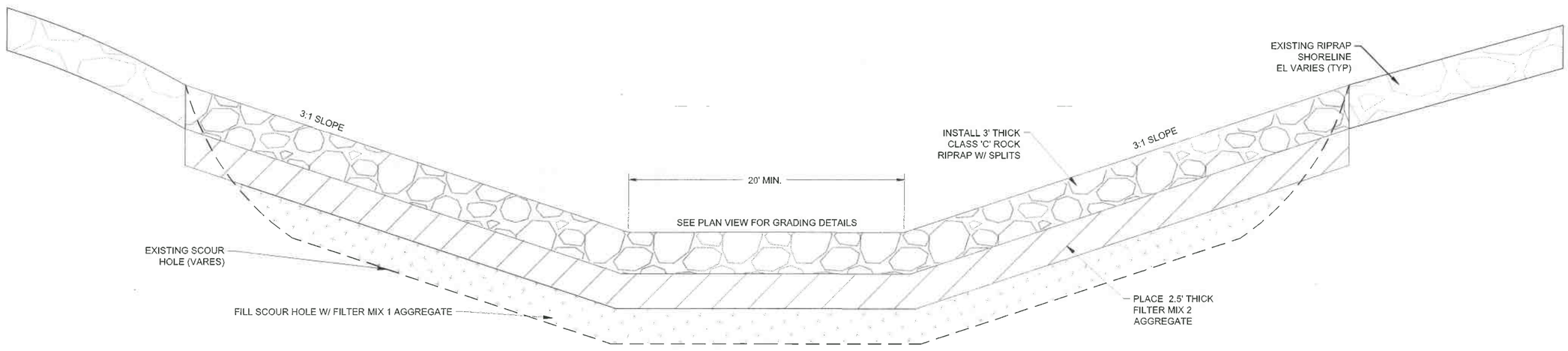
TITLE
STILLING BASIN PLAN-PROFILE

SHEET
B.2



WANAHOO STILLING BASIN ARMORED BASIN PROFILE VIEW | 1 | B.1 B.100

SCALE IN FEET
0 4 8



WANAHOO STILLING BASIN CROSS-SECTION (RIPRAP ARMORING) | 2 | B.1 B.100

SCALE IN FEET
0 4 8

FYRA ENGINEERING
12702 Westport Pkwy, Ste 300
Omaha, Nebraska 68138
402.502.7131
www.fyraengineering.com

WANAHOO DAM STILLING BASIN REHABILITATION
LOWER PLATTE NORTH NATURAL RESOURCES DISTRICT
WAHOO, NEBRASKA
2020

ENGINEER'S SEAL

PROFESSIONAL CIVIL ENGINEER
MICHAEL K. SAK
E-8759
STATE OF NEBRASKA

REVISIONS

NO.	DATE

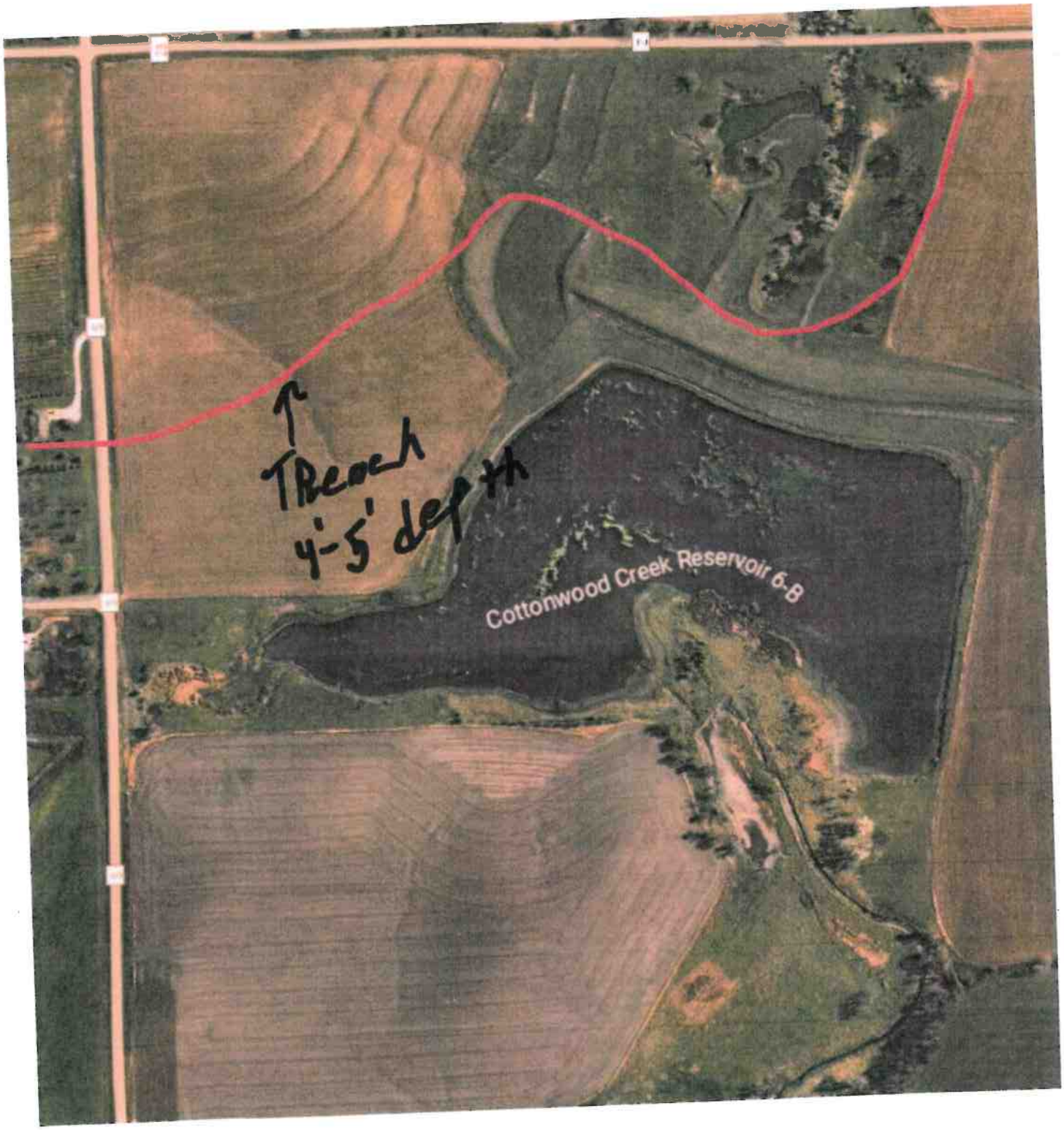
DESIGNED BY: MKS
DRAWN BY: MRJ
QA / QC BY: MKS
PROJECT NO.: 022-19-01
DATE: 07.01.2020

TITLE
STILLING BASIN DETAILS

SHEET
B.100

2 in line
H_2O

Carl Sousek
443-7934



Rediscover the Outdoors
Relax and enjoy a weekend getaway at one of three recreation areas near you! Czechland Lake near Prague, Homestead Lake near Bruno, or Lake Wanahoo near Wahoo.
LOWER PLATTE NORTH
Natural Resources District

Rediscover the Outdoors
Relax and enjoy a weekend getaway at one of three recreation areas near you! Czechland Lake near Prague, Homestead Lake near Bruno, or Lake Wanahoo near Wahoo.
LOWER PLATTE NORTH
Natural Resources District

Introduction

The Lower Platte North Natural Resources District (LPNNRD) is one of 23 Natural Resources Districts created in 1969 with the passage of LB 1357 by the Nebraska Unicameral. Since its formation in 1972, the LPNNRD has been assisting people in the Lower Platte River Basin in the development and protection of our soil and water resources. Nebraska Statutes require that Natural Resources Districts develop a Long Range Implementation Plan. The purpose of this plan is to summarize accomplishments by LPNNRD during fiscal year 2023 (July 1, 2023 to June 30, 2024). It will show activities for the current year and the next five years. The plan serves as an implementation tool of the district's Master Plan, which is updated every ten years. This Long Range Implementation Plan was approved by the LPNNRD Board of Directors on date.

Authority and Responsibilities

The Natural Resources Districts have been given statutory responsibility outlined in Sections 2-3229, R.R.S. 1943. In this section it states that "The purposes of the Natural Resources Districts shall be to develop and execute, through the exercise of powers and authorities contained in this act, plans, facilities, works and programs relating to: (1) erosion prevention and control, (2) prevention of damages from flood water and sediment, (3) flood prevention and control, (4) soil conservation, (5) water supply for any beneficial uses, (6) development, management, utilization, and conservation of groundwater and surface water, (7) pollution control, (8) solid waste disposal and sanitary drainage, (9) drainage improvement and channel rectification, (10) development and management of fish and wildlife habitat, (11) development and management of recreational and park facilities, and (12) forestry and range management."

Description of the District

Lower Platte North NRD programs and projects are available to meet the goal of properly developing our water and related land resources.

The Lower Platte North Natural Resources District is located in the Lower Platte River Basin in eastern Nebraska and includes 1,031,000 acres of land. A portion of Saunders, Butler, Platte, Dodge, Colfax, Boone, and Madison Counties are within the district (see Appendix A), which includes twenty-eight cities, towns, and villages. Besides the Platte River, other notable tributaries in the district include: Bone Creek, Clear Creek, Duck Creek, Elm Creek, Loseke Creek, Rawhide Creek, Sand Creek, Shell Creek, Silver Creek, Skull Creek, Taylor Creek, and Wahoo Creek.

The population of the district is approximately 65,000, of which about half is rural and half urban. The Lower Platte North NRD is financed by a tax levy which may be up to four and one-half cents per $100 valuation for general purposes and another one cent for water programs. The FY 2024 tax levy is 0.025767 cents per $100 valuation.

Governing Body

The Lower Platte North Natural Resources District (LPNNRD) is governed by a 19-member Board of Directors (see Table 1). The directors are elected at the general election for a term of four years, with half of the members up for election every two years.

The district is divided into nine (9) subdistricts. Two board members are elected from each of the nine subdistricts, and one board member is elected at large every four years.

Table 1. Lower Platte North Natural Resources District Board of Directors

Sub-District 1	Lon Olson
Sub-District 1	Kelly Thompson
Sub-District 2	John Goldsberry
Sub-District 2	Bill Saeger
Sub-District 3	Dave Saalfeld
Sub-District 3	Andrew Tonnies
Sub-District 4	Chris Yosten
Sub-District 4	Matt Bailey
Sub-District 5	Mark Seier
Sub-District 5	David Lawrence
Sub-District 6	Joe Birkel
Sub-District 6	Robert Hilger
Sub-District 7	Ryan Engel
Sub-District 7	Ryan Sabatka
Sub-District 8	Jerry Johnson
Sub-District 8	Vacant
Sub-District 9	Duane Johnson
Sub-District 9	Bob Meduna Jr.
At Large	Thomas McKnight

The district operates by a set of bylaws which are kept on file at the district headquarters at Wahoo, Nebraska.

One of the great natural resources of Nebraska is the Platte River. It is the feature that attracted early settlers to our state and guided the wagon trails. Today, we look at the Platte River differently. It is a water source for agriculture and cities like Fremont, Lincoln, and Omaha, a haven for wildlife, and a place for recreation. Issues surrounding the Platte are a top priority at the LPNNRD, since approximately 72 miles of the river flow directly through, or border, the district.

Ice Jam Agreement

In 1994, the LPNNRD entered into an agreement with the Papio-Missouri River NRD, Lower Platte South NRD, and Cass, Douglas, Sarpy and Saunders Counties to more effectively deal with ice jams and their resulting flood damages along the Lower Platte River. This area of concern is primarily from Fremont, Nebraska to the mouth of the Platte River. This group has pooled funds of $150,000 to retain a contractor to use explosives when needed, to remove ice jams in a timely manner.

During the winter of 2023-2024, there were no ice issues of concern on the lower Platte River.

Rock & Jetty Program

This program was developed to offer cost-share assistance to landowners to construct erosion control devices for stream bank stabilization and to assist Dike and Drainage Districts with maintenance of dikes along the Platte and Elkhorn rivers and perennial streams. In FY23, $15,000 was budgeted for projects on rivers & streams. We assisted four cooperators on maintenance projects in FY 23-24 at a cost of $13,107.55.

Platte River Basin Long Range Objectives

- For the current year and the next 5 years administer $15,000 - $20,000 for the Bank Stabilization Program to cost-share on priority stream bank stabilization for cooperators on the Platte and Elkhorn Rivers and Perennial streams. Promote riparian buffer zones along the Platte River and other perennial streams This includes assisting cooperators with meeting the regulations of the Clean Water Act through section 404 permits.
- Keep up to date on Clean Water Act and Endangered Species Act regulations.
- Continue as a member of the Joint Water Management Advisory Board, provide leadership and assistance to move forward with exploring flood reduction solutions within Dodge County.
- Continue to participate with the City of Fremont and Dodge County to study potential nonstructural measures to reduce flooding and economic losses from the Lower Platte River.
- Assist the City of Schuyler as they evaluate the need for future federal funding for completing structural and non-structural approaches to reduce flooding and economic losses from the Platte River through the LPNNRD District-Wide Hazard Mitigation Plan.
- Encourage cities and counties within the District to initiate floodplain management planning to promote wise floodplain development.
- Continue to partner & support the Ice Jam Agreement in potentially protecting against ice jams on the Platte River and budget annually, as needed, for the Ice Jam Agreement Fund.
- Assist dike and drainage districts within the LPNNRD to properly repair and maintain levy projects.
- Provide support financially and technically to the Lower Platte Weed Management Area in controlling noxious and invasive weeds.
- Support the Nebraska Land Trust in acquiring easements for the protection and preservation of quality lands throughout Nebraska.
- Continue to support the Lower Platte River Corridor Alliance as an active voting member.

GROUND AND SURFACE WATER

One of the Lower Platte North NRD's major responsibilities is to conserve and protect our ground and surface water resources. To accomplish this goal, the Lower Platte North continues to participate in water quality studies, ground water level monitoring, and water resource educational activities.

Groundwater Management Area

Current rules and regulations and the Groundwater Management Plan (GWMP) are available at the LPNNRD headquarters in Wahoo and on the district website at www.lpnnrd.org.

LPNNRD implemented a District-wide Groundwater Management Area (GWMA) on January 1, 1997, to address both water quality and quantity concerns.

- Spring of 2024 LPN started the process of updating its GWMP.
- In 1997, groundwater quality Phase I (education) regulations became effective for the entire District.

One primary rule in Phase 1 requires certification for fertilizer and water use.

- The District has developed a groundwater program emphasizing a protection-based approach rather than a reactive, corrective approach.
- The District has two Phase groundwater quality control areas, those being Bellwood in 2003 and Richland/Schuyler in 2004.
- A grant was received from the Water Sustainability Fund in November 2022.
- This grant conducted a geological assessment to go with the AEM flights along with offering cost-share for best management practices in the Schuyler - Richland Phase Area.
- In July 2023 a second WSF grant with LLNRD and USGS were approved to determine nitrate legacy from Richland to Fremont.

In June 2018, the District updated its Groundwater Rules and Regulations

- A Phase Four was added for Water Quality
- Water Quantity will manage water by consumptive use or acre feet limitations.
- As of July 1, 2023, the District had 9477 registered active wells with 4625 irrigation wells and 212 wells in the GWEL network.

There are two designated Special Quantity Subareas in Butler-Saunders Counties and Platte-Colfax Counties. The District mandated water flow meters, rolling allocations and annual reports in these areas starting in 2016.

A Lower Platte Basin plan with 7 NRDs and NeDNR was developed starting in 2017.

- An allotment formula in 5-year increments was implemented to determine the acre feet used for new water uses.
- The District completed its V-IMP in June of 2018 by adding an additional rule of requiring municipalities to report yearly water use
- The group updated the plan for next 5-years in 2022 with new allotments until 2027.

A Consortium for drought consideration was developed In 2016, made up of the 3 NRDs, Lincoln Water System (LWS), Metropolitan Utilities District (MUD), and the Nebraska Department of Natural Resources (NeDNR).

- A drought contingency plan was developed to maintain/mitigate sustainable water supplies to the Lower Platte River during drought conditions.
- Projects continue to be considered for supplying water into the Platte River

- A 5-year update will be completed in 2024.

Ground Water Quality Sampling

The Lower Platte North NRD continues efforts to develop a ground water quality inventory. The District has been divided into four primary aquifer regions: Todd Valley, Platte Valley, Shell Creek and the Uplands, and further divided into 26 subareas. These subareas are rotated for water quality sampling throughout the District Staff samples the same wells called the Statewide Network each summer, weather permitting, to determine long term trends for nitrate-nitrogen. The data collected is provided to the Nebraska Department of Environment and Energy (NDEE). NDEE in turn provides this to the Nebraska Legislature on an annual basis.

In 2023 samples were collected from 52 sites.

Year	Nitrate-Nitrogen Range	% Nitrate-nitrogen 0-8.0 ppm	% Nitrate nitrogen 8.01-10.0 ppm	% Nitrate nitrogen > 10 ppm
2023	0 - 20.6 ppm	67% (35 of 52)	12% (6 of 52)	21% (11 of 52)

Samples for pesticide analysis were collected from ten of these sites (19%). The pesticide analysis was for a suite of 25 parameters, and all results were less than reporting level.

Ground Water Energy Level Monitoring Network

One of the responsibilities of the NRDs in the State is to monitor fluctuations in groundwater levels. With the help of area cooperators, a ground water energy level (GWEL) monitoring network has been established in the LPNNRD. This monitoring network has been established to obtain a better understanding of the groundwater levels throughout the District. As of Spring 2024, the LPNNRD had 212 wells in the GWEL monitoring network. These wells are monitored each spring and fall, with selected wells also measured in late August.

The LPNNRD compares the latest spring reading to the 1987 base-year to determine if a subarea needs to be declared a Level 2 or Level 3 groundwater management area. Level 2 and 3 management areas require flow meters on wells, annual reporting of water use, and establishment of acre-inch allocations. For the 26 sub-areas within the District, 19 subareas are currently at Level 1 management, while the other 2 sub-areas still need additional information before these can be designated. Sub-Areas along the Elkhorn and Platte Rivers are showing some of the wells reaching Level 2 and 3 management. The District prefers at least three years of data before the subarea can be designated as a Level 1, 2, or 3 management area.

Fall readings in 2023 and Spring of 2024 showed a decline from the previous year's measurement. This change was the continuing lack of moisture in the last 2 years. Spring readings in 2024 showed a 1.17 feet lower of the wells measured compared to Spring of 2023. Each aquifer sub area showed a decline from the previous year.

Chemigation

Chemigation is the act of injecting chemicals into the water line of an irrigation system that is then applied onto the crops. It is considered to be one of the most efficient ways of applying essential nutrients in times when the crop is uptaking the most amount of nitrogen through its

growing stages. In order to chemigate, a licensed permit holder must obtain a permit through the Lower Platte North NRD. Special equipment must be installed to protect Nebraska's groundwater from possible back-flow of chemicals into the groundwater source. To obtain this permit, which is administered through NDEE, you must pass the Chemigation Certification test. This test is conveyed and taught through the University of Nebraska-Lincoln's certification program. There is an online test option available to producers. The chemigation equipment must be properly equipped, inspected and approved by the NRD before applying any chemicals.

Chemigation Permits	Total	Renewal	New	Emergency
July 2023	704	643	61	0
July 2024	708	652	56	0

In 2014, the Legislature approved changes to Title 195 that would allow individual NRDs to set chemigation fees. Chemigation fees for LPNNRD are as follows: $90 for a New permit, $30 for a Renewal permit, and $300 for an Emergency permit. Inspections are required on equipment for new permits. Renewal permits are inspected on a three-year rotation. Failure to renew by June 1st of the following year will cause the permit to lapse. If a renewal permit lapses, the producer must obtain a new permit and an inspection is required.

Decommissioned (Abandoned) Wells

Abandoned wells are a health and safety concern and have been ruled as illegal by the Nebraska Legislature. A well not used for three consecutive years or one which is no longer useful is considered to be abandoned and needs to be properly decommissioned.

The Lower Platte North NRD offers up to 75% cost share assistance to landowners to properly decommission abandoned water wells. In addition, the district will assist with up to 75% of the cost for pump and obstruction removal on domestic and stock wells. To receive cost share assistance, the actual decommissioning must be performed by a certified well driller or pump installer. The landowner has six months from the time of application to accomplish this task unless good cause is shown.

Since 1992 the district has administered local and state cost-share dollars to decommission 749 wells. Through this program in FY 23-24, a total of $15,117.00 was administered by LPNNRD for the plugging of 15 wells.

Flow Meter Maintenance Program/Readings

Since 2008, the LPNNRD has implemented the requirement of installing a District approved flow meter on any new or replacement well. Thereafter in 2012, the District also required the installation of a flow meter on any expansion of acres from an existing well. This pumping information is invaluable to the District to know what has been pumped during years of extended drought. It is vital that the LPNNRD keeps track of this going forward into the future. In order to know the volume of water within our aquifer systems, we need to know the water that is being extracted.

Along with the irrigation wells, the LPNNRD also records meter readings from all of the municipality wells within the District including MUD, Lincoln and Fremont. Livestock wells and commercial wells are required to report if the well was drilled after the 2012 requirement date. Over 1,200

readings are recorded annually throughout the LPNNRD District. The district provides funding for meter maintenance on approximately 1,150 irrigation well flow meters that are getting routine maintenance once every four years.

Registered Wells and Well Permits

The Nebraska Legislature declared that conservation and the beneficial use of ground water are essential to the future well-being of the State. State Law requires that all water wells in the State of Nebraska be registered with the Department of Natural Resources. Wells that are not registered are illegal and should be registered as soon as possible. A breakdown by decade from 1970 to present shows the growth of active irrigation wells in the District.

Table of Active Irrigation Wells within LPNNRD compiled by Completion Date

Date	Number of Active Irrigation Wells in the District
December 31, 1970	1,428
December 31, 1980	2,756
December 31, 1990	3,241
December 31, 2000	3,686
December 31, 2010	4,307
December 31, 2020	4,554
July 1, 2024	4,625

From July 1st, 2023 to July 1st, 2024, the District has issued 33 well permits with 30 for new and replacement irrigation wells.

Special Studies

The LPNNRD has done a number of studies within the District. The following is a summary of studies that are currently being conducted within the District.

Aquifer Vulnerability Mapping and Analysis

- To collect and analyze data within the LPN Water Quality Management Areas for nitrates and source of nitrate.
- Vadose soil sampling analysis to assist in determining the amount of nitrates in soil and pore water present in the unsaturated zones above the water table.
- A nitrate tool was developed utilizing the data, along with geological information to assist in determining vulnerability.
- Age dating of groundwater was conducted in 2023 with results at the end of 2024.
- The analysis is now being conducted in the Shell Creek Aquifer Region

3D Airborne Electromagnetic (AEM) Hydrogeologic Framework and Assessment

- Papio-Missouri River NRD, NeDNR and LPNNRD started a study in January 2021 to assess AEM survey information, well logs, and other geological information.
- The data is available for staff to characterize different geological layers and assign variables such as hydraulic conductivity.
- This data is being utilized for groundwater modeling to better understand, assess, and forecast groundwater. Completion of the groundwater model for the Lower Platte River Basin is planned for early 2025.

Lower Platte River Consortium Study

- This study looked at long term water supplies in the Lower Platte River Basin, and the ability to enhance streamflow, especially in drought conditions.
- Sustaining water in the river would also provide a benefit to wildlife and agriculture by lessening the likelihood of a 'call' on the river.
- The plan was completed in Spring 2020 with the group now in the process considering the options from the plan to determine the feasibility of projects.

Eastern Nebraska Resources Assessment

- LPNNRD is a partner in the Eastern Nebraska Water Resources Assessment (ENWRA).
- The ENWRA study has been utilizing Airborne Electromagnetic (AEM) over eastern Nebraska to better model the geology of the glaciated portion of the State.
- The flights and the results can be found on the ENWRA website at (www.enwra.org).

Certifying Acres

In July 2009, the District signed a contract with gWorks (formerly GIS Workshop) to develop a database of county assessor records as the preliminary step to certifying irrigated acres. As of January 2022, the majority of the irrigation in the district has been cataloged. The District is still granting new irrigation development with verification by aerial photography and accurately modeled before entering into the database. Acre certification provides an inventory of the irrigation needs of the District, which is an important part of present and future groundwater management and planning. In addition to cataloging irrigated acres, LPNNRD staff have been actively working with the Nebraska Department of Natural Resources (NeDNR), as well as local landowners, to bring all irrigation wells in LPNNRD into compliance with Nebraska Revised Statute 46-602 (7).

Nebraska Ordnance Plant Water Pollution Clean Up at Mead

During the 1940s, 1950s and 1960s, an Army Ordnance Plant near Mead was used to assemble bombs and served as an early Atlas Missile ICBM site. Over time, the soil and groundwater at the plant site became polluted with various explosive residues and solvents. The cleanup has been divided into three basic project areas: Soils (OU1), Ground Water (OU2), and Building contamination (OU3). This area has been under study by the Army Corps of Engineers (COE) since 1988. An open house was held by the Corp, May 2024, with annual tours and open houses conducted regularly.

Wellhead Protection Program

The LPNNRD implemented a wellhead protection program in FY 2001. The goal of the program is to minimize potential polluting activities on the land surrounding a community's public water supply well(s). The District has identified 22 communities with public supply wells and they have been encouraged to become involved in the program. The Communities of Newman Grove and Platte Center received a Source Water Protection Grants to re-evaluate and approve their wellhead management areas. The LPN is working with these communities along with assessing the nitrate issues along the Shell Creek Region.

Rural Water Districts

In recent years, the District has worked with communities who have had difficulties with water quality and quantity by forming two rural water systems. The Butler County system linked the village of Bruno in 2006, who was having water quality and quantity problems, to David City. Also in 2006, the Saunders County system linked the village of Colon, who was experiencing water quality concerns, to Wahoo. The LPNNRD operates both of these systems. The District

purchases water from the larger communities and delivers it to the smaller communities; RW staff manage and maintain Colon's system and billing while Bruno manages their infrastructure and household billing. Both systems are designed to serve rural customers along each service route. Combined, the two systems serve over 135 households in Saunders and Butler Counties. To address fiscal concerns both RWDs have implemented a phased rate increase strategy to more diligently manage the financial standings of both districts. The District has been in contact with several other communities and anticipates several more communities and rural customers to be serviced by rural water systems in the future as rural communities face an increased burden at providing adequate quantity, and quality, water while maintaining aging infrastructure. Both systems are greater than 10 years old and repairs/replacements of meters is expected to take up RWD staff's time in 2024-25 as a number of meters and components are nearing the end of their expected service life.

The Environmental Protection Agency (EPA) revised the Lead and Copper Rule in 2022 and required all PWS to submit a lead service line inventory. This inventory takes into account all water service line from transmission main to first service connection within households. This has required multiple contacts with homeowners and will be a living document to be updated in perpetuity.

Geographic Information System (GIS)

The District has incorporated the use of Geographic Information System (GIS) technology into most district functions, including the certification of irrigated acres, maintenance, project planning, modeling of groundwater availability, and the movement of contaminants such as nitrates through the soil profile. In addition to in-house GIS activities, LPNNRD GIS staff assist a variety of partners, including projecting FSA aerial photography into Nebraska State Plane Feet coordinates for NeDNR, custom authoring of maps for the Nebraska Land Trust, coordination of helicopter flight lines for invasive species control with the Lower Platte Weed Management Area, and helping other NRDs with GIS questions as they emerge.

LPNNRD's database allows for quick and efficient lookup of any information pertaining to any project or cost share that has been completed for any constituent with land in LPNNRD.

As drone technology continues to evolve, LPNNRD has added a SkyDio2 Autonomous Drone to its inventory.

Ground and Surface Water Long Range Objectives

- Continue groundwater quality sampling throughout the LPNNRD, both the State-wide network and intensive sampling of selected regional aquifers. To work with other agencies on assessing legacy nitrate.
- Continue water quality education programs based on the goals and objectives of the LPNNRD Groundwater Management Area, which includes LPNNRD certification classes for landowners, municipal, and industrial water users.
- If needed, designate further Phase II, III, and IV boundaries for the Groundwater Quality Management Areas.
- Continue with nitrogen application demonstrations and participate with demonstrations on integrated pest management and sustainable agriculture.
- Assist in the proper decommissioning of water wells in the district by administering state and local cost-share funds to decommission abandoned water wells.
- Continue measurement of ground water energy levels in the district and if necessary designate

new Special Quantity Subareas (SQS).

- Continue to cooperate with the United States Geological Survey (USGS) in monitoring surface water levels and the Eastern Nebraska Water Resources Assessment (ENWRA) for groundwater geological assessment including AEM flights.
- Maintain a multi-agency groundwater energy level monitoring network in the Wann Basin of the Platte Valley north of Ashland to pool information from different agencies collecting water level data. This information is being used by the COE and MUD to refine their groundwater modeling efforts.
- Continue to implement the Chemigation Program to inspect safety equipment on permitted irrigation systems in the district. Educate the need for check valves in protecting the aquifer from contamination.
- To finish the development of a groundwater model to assist in management for each sub-area. Additional information on water use from all wells will be needed for accurate information. Initiate additional studies to identify vulnerable aquifers and modify GWMA rules and regulations to protect these aquifers and their long term sustainability.
- Continue using AEM (airborne electromagnetic) information to analyze bedrock aquifers both in water quantity and water quality. Test holes and monitoring wells will have to be installed and sampled to determine these as a possible source of usable groundwater. New management strategies need to be developed for these aquifers such as summer trigger levels for confined bedrock aquifers, especially if these are hydrologically isolated from overlying alluvial aquifers.
- Utilize the completed Lower Platte River Consortium Study for possible locations for recharge and reservoir sites to better convey water downstream in the watershed.
- Continue to update the Groundwater Management Plan to include Integrated Management of surface and ground water and to consider drought concerns.
- Expand the GWEL network wells in criteria subareas and to have continuous recording monitoring and real-time reads wells in each sub-area to better manage the resource.
- Continue to assist District communities who have difficulties with water quality and quantity by helping determine rural water system feasibility including the Saunders County Rural Water System study. .
- Keep abreast of updates and new iterations of neighboring NRD studies.
- Continue working on projects identified and keeping updating quality objectives in the Watershed Quality Plan. Partner with state agencies in conducting these projects.
- Continue with the District's Well Permitting Program and Variance Process throughout the District. Ultilize submitted water use data in this process and identify registered and unregistered wells.
- Provide information and education on water conservation, integrated pest management and safe disposal of farm and household chemicals.
- Assist in working with NRD's on activity of State and Federal Agencies, new research, and Legislative issues.
- Continue to install flow meters on irrigation wells that are required by GWMP and obtain grants for cost share for water flow meters,
- Continue with the process of updating the certification of irrigated acres and encourage producer participation in online reporting for entering their data to improve efficiency and quality of data.
- Continue to monitor clean up efforts by the COE at the Former Ordnance Plant at Mead, Nebraska and any other clean up efforts. To work with the COE to establish spacing requirements for future high capacity irrigation, industrial, and/or municipal wells that are requesting to be installed near known contaminant plumes from the Former Ordnance Plant

near Mead, so these wells will not interfere with the COE's clean up efforts.

- Review livestock permits from NDEE.
- Investigate irrigation runoff and groundwater management area complaints as needed.
- Continue to provide equipment and data for localized weather throughout the District.
- Communicate with well drillers and pump installers on water concerns within the District.
- Improve irrigation and nitrogen efficiency by working with UNL Extension and other agencies

SOIL CONSERVATION & LAND TREATMENT

In response to the Erosion and Sediment Control Act (LB 474), passed in 1986, the Natural Resources Commission developed the Nebraska Soil and Water Conservation Strategy. This strategy outlines a course of action for efficiently conserving and managing the state's natural resources. A number of significant rain events in 2024 caused an increase in erosion/sedimentation complaints. No violations were filed.

The Lower Platte North NRD administers the Erosion and Sediment Act and has patterned its local program after the state strategy. The district administers state and local cost-share funds through Soil and Water Conservation Programs (SWCP) to offer incentives to producers for installation of land treatment practices. LPNNRD staff also worked with NRCS staff to utilize Farm Bill Programs to repair erosion problems.

Soil and Water Conservation Programs (SWCP)

Under Soil and Water Conservation Programs (SWCP), the LPNNRD allocated $83,029.99 of state funds (Dept. Natural Resources) for land treatment practices during fiscal year 2024 in cooperation with 12 different landowner projects. In addition, two new Buffer Strip contracts were administered with $9,587.23 in state funds.

For fiscal year 2025, $83,058.36 of state funds (from the Nebraska Department of Natural Resources) and $25,000 of local funds will be allocated for soil and water conservation practices through the LPNNRD Lands for Conservation Program (LFC). The LFC program offers landowners a per/acre payment to set aside production ground to allow for summer construction. This lessens the burden on the fall construction season allowing more conservation work to be implemented.

Wahoo Creek Water Quality Land Treatment Efforts

Wahoo Creek in Saunders County, Nebraska, has resided on the Environmental Protection Agency's (EPA) list of impaired water bodies for decades. To address the impaired status of Wahoo Creek, LPNNRD in partnership with the U.S. Environmental Protection Agency (EPA) and the Nebraska Department of Environment and Energy (NDEE) developed the Wahoo Creek Watershed Water Quality Management Plan in 2013. These plans are updated every 5 years and the District is in the process of completing another update. This plan identifies goals to reduce excess phosphorus, nitrogen, soil sediments, and E. coli bacteria in the Wahoo Creek Watershed. This plan meets the EPA's requirement of containing "Nine Elements" of an effective watershed management plan. The plan identifies water quality goals to protect and enhance the quality of all water resources within the Wahoo Creek. Sub-watersheds within the Wahoo Creek Watershed were prioritized for future water quality projects. LPNNRD in partnership with EPA, NDEE, and the Natural Resource Conservation Service (NRCS) identified four Wahoo Creek sub-watersheds as National Water Quality Initiative (NWQI) areas to receive special EQIP and EPA 319 funding for landowners to complete conservation practices to help achieve the numerous identified water quality goals.

The NRD and the local NRCS field office have moved forward with creating a partnership position for a Watershed liaison/Source Water Specialist to help implement BMPs that are inline with the shared agency's water quality mission.

Shell Creek Watershed Water Quality Land Treatment Efforts

Shell Creek is a major tributary of the Lower Platte River. Land use in the approximately 305,000 acre watershed is predominantly row crop agriculture. Portions of Shell Creek are on the Environmental Protection Agency's (EPA) impaired waters list. The most notable impairments include *E. coli* (bacteria) and Atrazine.

The Shell Creek Watershed Improvement Group (SCWIG) is a volunteer committee that formed in 1999 to lead local efforts to identify problems and to promote implementation of conservation practices to improve water quality in Shell Creek. This evolved into an advisory group to LPNNRD continuing to provide local leadership toward reducing erosion and water quality impairments in the watershed. A community-based planning approach was used to gather input from the citizens of the watershed for development of the Shell Creek Watershed Environmental Enhancement Plan that emphasizes combinations of practices that improve water quality.

Over the past 25 years, the Shell Creek Watershed has benefited with over $2 million in EPA Section 319 funds combined with approximately $4 million in partnering federal and local funds for assisting landowners in establishing Best Management Practices on their farms. These efforts resulted in Shell Creek becoming the first agricultural watershed in the nation to have a segment delisted for atrazine contamination in FY 2018.

In FY 2023, the NRD secured $779,000 in grants from EPA/NDEE Section 319 and the Nebraska Environmental Trust (NET). These grant dollars matched with local funds are expected to yield over $1.4 million of water quality work in the watershed over the next three years.

Erosion and Sediment Complaints

The LPNNRD responds to occasional erosion and sediment complaints. In most cases, these complaints are resolved before going through the formal complaint process. Many cases are drainage issues that are resolved between the District and landowners. During FY2022 NRD staff was subpoenaed on a case between two neighbors that could not be resolved amicably. The case has yet to be resolved as both parties continue to work together. The area received multiple, intense, rain events during the spring/summer of 2024. The NRD was contacted by multiple landowners with complaints. No violations were noted.

Soil Conservation Long Range Objectives

- Use technical assistance from the NRCS in the planning, design, construction, and maintenance of conservation measures applied to the land.
- Use Federal, state, and local funds to promote and implement land and water treatment projects in priority areas of Wahoo Creek Watershed to reduce erosion and improve water quality. The NRD plans to coordinate with local NRCS through the National Water Quality Initiative (NWQI), NDEE's 319 program, and local funding efforts to achieve the goal.
- Continue encouraging the implementation of summer conservation construction utilizing federal funding within the Wahoo Creek Watershed through the Lands for Conservation program
- Administer $83,058.36 of State NSWCP funds and $25,000 of local cost-share and grant funds to landowners for the construction of terraces, tile outlets, waterways, diversions, small dams, planting of permanent vegetation, and maintaining water quality.
- Continue to promote conservation tillage measures, pasture & range management, sustainable agriculture, and the Conservation Reserve Program (CRP), through news releases and the district's newsletter.
- Recognize the Outstanding Soil and Water Conservationists.
- Continue to assist landowners in resolving soil erosion and sediment complaints.
- Provide financial support and staff time to conservation education activities.
- Continue to work closely with locally-led conservation groups to promote soil and water conservation throughout the district.
- Partner with the Shell Creek Watershed Improvement Group (SCWIG), EPA/NDEE, NET, and

NRCS toward continuing implementation of Best Management Practices in the Shell Creek Environmental Enhancement Plan Implementation.

- Work with NRCS, NDEE, NET, Saunders County, and the Wahoo Creek locally led Steering Committee in pursuing additional federal and state funds to assist with land treatment practices as defined in water quality objectives in the Wahoo Creek Watershed Water Quality Plan.
- Assist with the formation of local landowner advisory steering committees in the Wahoo and Bone/Skull Creek Watersheds for planning soil & water conservation practices and flood reduction.
- Please combine current year objectives with the projected five year objectives.
- FY 2024-2028 Soil Conservation Long Range Objectives (Sean DONE, Ryan DONE)
- FY 2025-2029 Soil Conservation Long Range Objectives (Sean, Ryan) DONE
- Maintain existing land treatment practices and programs.
- Continue to work with all counties in the district to reduce roadside erosion.
- Administer NET and NDEE/EPA 319 Grant Programs to improve water quality throughout Wahoo Creek, Shell Creek, and the Lower Platte River Corridor Alliance priority watersheds.
- Look for new and innovative soil and water conservation methods.
- Partner with NRCS, UNL Extension, and landowners to improve all aspects of their water and soil quality.
- Continue to support the Land and Range Judging Contests.
- Continue targeting SWCP land treatment program funds for priority watersheds in the District.
- Use existing and new technology and GIS software programs for implementing and promoting soil conservation practices.
- Promote the use of and make available soil surveys and land use information.
- Continue to support Locally Led Landowner Groups to promote and implement soil and water conservation practices.

Projects have been completed in priority areas in the LPNNRD to help reduce flooding and provide grade stabilization. Projects have been completed in Bellwood, Clear Creek, Cottonwood Creek, Sand and Duck Creek, Swedeburg, and Rawhide Creek watersheds. Current high priority flood reduction areas include Bone Creek, Shell Creek, Skull Creek, and Wahoo Creek watersheds. On federal and state projects where the LPNNRD acts as project sponsor, the district obtains land rights and is also responsible for operation and maintenance activities on these projects after they are built.

The LPNNRD offers local assistance for the construction of small dams that can help counties and/or landowners protect county roads, control erosion, and provide water for livestock and wildlife.

Wahoo Creek Flood Reduction Efforts

The NRD is currently in the process of building nine flood reduction dams in Wahoo Creek watershed, estimated to cost $19.7 million in 2020. Federal (WFPO) and state funds (JEDI) are expected to fund the entire project including planning, design, permitting, land rights, construction, and construction oversight. All necessary land rights, and permits have been acquired for first three sites. Construction will begin in Fall 2025 on sites: 26a, 26b, and 27. Construction is expected to begin in FY2026 on the remaining seven sites: 55, 66, 77, 84, 86, and 86. Completion of all nine dam sites is anticipated by the end of FY28.

Sand Creek Environmental Restoration Project (Lake Wanahoo)

With the invaluable assistance of numerous local, state, and federal partners, 2011 witnessed the completion of construction on Lake Wanahoo's earth embankment. The breakwater feature and the fisheries component were completed a few years prior to the embankment. Recreation components were completed for Lake Wanahoo in FY2011. Construction of seven upstream flood reduction/environmental enhancement structures were completed in FY12-14. In FY19, LPNNRD assumed Lake Wanahoo's recreation management responsibilities from the Nebraska Game and Parks Commission.

Operation and Maintenance

District staff complete annual inspections on 45 watershed structures and special projects in the District.. These inspections help detect problems before they become serious. Annually, noxious weeds and volunteer trees are sprayed, debris removed, fences repaired, on dams & Clear Creek Levee, and the Rawhide Ditch System, and risers unplugged on dams. The District is currently working with NRCS and a Engineer Consultant in the rehabilitation of dam Cottonwood 21-A.

Army Corps of Engineers 205 and GI Flood Studies

Over the past many years, the District has partnered with local entities and the US Army Corps of Engineers to study flood protection alternatives for their areas. In 2004, LPNNRD partnered with Fremont, Inglewood, and Dodge County to look at a potential levee project to remove areas from the Platte River 100-year ice induced floodplain. In FY 2017, the Fremont study evolved into a General Investigation (GI) Study which determined that there is not a feasible structural solution (levee) to the City of Fremont's flood threat from the Platte River. In 2018 the GI Study evolved back to a 205 Non-Structural Study for the City of Fremont and Dodge County. The Non-Structural effort will continue in FY 2025.

In 2005, LPNNRD entered into an interlocal agreement with the City of Schuyler to evaluate levee protection options to protect the city from flooding from the Platte River and Shell Creek. In FY

2012, the Schuyler 205 Study was completed and entered into the project design phase. In FY 2014 the design phase was completed and LPNNRD assisted Schuyler with obtaining needed land rights for the Shell Creek Levee portion of the project which began construction activities in the spring of 2014 and most construction activities were completed in the fall of 2015. LPNNRD continued to assist Schuyler in FY 2018 with closing out the project with the Army Corps of Engineers. Schuyler continues to do a great job in maintaining the levee.

Flood Control and Damage Reduction Long Range Objectives

- Continue with accelerated land treatment efforts and flood reduction opportunities in identified priority watersheds, Shell Creek, Skull & Bone Creek and Wahoo Creek in the District.
- Budget staff time and funds to complete annual and/or biennial inspections and maintenance such as spray noxious weeds & cut and treat trees on 45 dams, Clear Creek Levee, and Rawhide ditch and other project sites.
- Develop a long term plan for Operation and Maintenance costs associated with large structures.
- Continue to be an active partner on the Joint Water Management Advisory Board to explore flood reduction and drainage solutions in portions of Dodge County City of Fremont and complete the Rawhide Watershed WFPO Planning efforts.
- Partner with the City of Fremont, Dodge County, and Papio-Missouri River NRD to fund operation and maintain established USGS cameras at 5 locations and 2 stage-only water gauges along the Lower Platte River.
- Partner with Dodge County and City of Fremont on FEMA Drainage Improvement Projects.
- Continue to educate Cities, Counties and public on watershed management and flood reduction and to accept and implement Floodplain Management Authorities.
- Cooperate with landowners and counties in evaluating small dam sites for cost-share throughout the district.
- Continue to partner with the Army Corps of Engineers, FEMA, City of Fremont, Englewood, and Dodge County on exploring non-structural opportunities for feasible flood control solutions and the Hazard Mitigation Plan Flood Resiliency study.
- Support the City of Schuyler for exploring non-structural opportunities for feasible flood control solutions from the Platte River through the LPNNRD District-wide Hazard Mitigation Plan.
- Work with Communities, Counties, and other entities on projects identified in our District-wide All Hazard Mitigation Plan.
- Commit funds and staff time to complete flood water control/reduction plan and complete easement acquisition for all ten Wahoo Creek Watershed flood reduction dam sites.
- Begin construction on Wahoo Creek Dam Sites 26a, 26b, and 27, complete engineering designs on Wahoo Creek Dam Sites 55, 66, 77, 82, 84, 85, 86 and have them completed by 2028.
- Continue to update LPNNRD's district-wide All Hazard Mitigation Plan and assist District Communities in evaluating future flood protection for their communities
- Partner with NRCS and hired HDR through the Dam Rehabilitation program to rehabilitate dam Cottonwood 21-A.

The district administers several programs designed to enhance the region's forest, range, and wildlife land, including the Tree Planting Program, Wildlife Habitat Programs with Nebraska Game & Parks and Pheasants Forever, SWCP Program, and Mitigation Program.

Tree Program

One of the most visible and popular programs offered by the LPNNRD is the district's tree planting program. As a direct result of this program, begun in 1973, an estimated 890,100 trees and shrubs have been planted in the district. Trees and shrubs may be obtained from the NRD for windbreaks, shelterbelts, wildlife habitat, woodlots, and Christmas tree plantings. Besides providing a planting service, the NRD also designs tree planting plans and offers technical advice on ground preparation for tree sites.

During the spring of 2024, 16,875 trees and shrubs were distributed to District residents. Of this total, 9,886 were planted by the NRD field crew at 10 sites.

Wildlife Programs

Lower Platte North continues to encourage landowners to set aside land for wildlife habitat by using Federal Programs and Programs provided by Nebraska Game & Parks and Pheasant Forever.

Community Forestry Program

In FY 2023-2024 LPNNRD donated 900 tree seedlings for the District's annual Spring Conservation Sensation; the Fremont EcoFair and Newman Grove School. The District budgets $2,000 for Community tree development projects. The District did not assist a Community during the fiscal year.

Forestry, Range and Wildlife Habitat Long Range Objectives

- Plant and distribute conservation trees and shrubs through the district's Tree Planting Program with hopes of increasing the program each year..
- Continue to include tree planting as an eligible cost-share practice under the SWCP program.
- Offer trees and give staff presentations to elementary students across the district.
- Continue to promote Wildlife Habitat programs in cooperation with the Nebraska Game and Parks Commission and other partnering entities as opportunities arise.
- Assist cooperators with signing up for Wildlife Programs.
- Provide information and education on tree planting, woodland management, grassland management, and proper wildlife habitat enhancement through media, tours, and schools.
- Provide cost-sharing for the conversion of cropland to grassland through the SWCP program.
- Cooperate with Pheasant Forever Chapters to enhance wildlife habitat and establish windbreaks.

Czechland Lake Recreation Area

Czechland Lake Recreation Area is a multipurpose project located one mile north of Prague, Nebraska on Highway 79. Flood control, recreation, and education are the main benefits of the project. Located at a convenient distance from Omaha, Lincoln, Fremont, and Wahoo, the 85 surface acre lake is situated on 265 acres of public access land operated and maintained by the LPNNRD.

State park permits and fees are not required for entrance to the area. Czechland Lake has 11 electrical camper pads at an $18/night fee for the use of a camping pad. There are also three non-electrical pads. A Nebraska Fishing License is required for anglers. The lake fishery is managed by the Nebraska Game and Parks Commission, which stocks and monitors fish populations.

Originally built as one of twelve floodwater structures in the Cottonwood Creek Watershed, Czechland Lake has developed into one of the area's most popular recreation spots. The reservoir and recreation area development was built at a total cost of $1.8 million. Funding for the project was shared by the Nebraska Natural Resources Commission, Saunders County, USDA Natural Resources Conservation Service, and LPNNRD. Grant monies from the U.S. Environmental Protection Agency have been used to reduce nonpoint source pollution entering the lake and to provide educational resources.

The Czechland recreation area is extensively used each year generating between $8,500 - $10,000 in camping revenue. Mowing, trash removal, repair, and upkeep of park equipment, and thistle control kept LPNNRD park staff very busy during the spring and summer.

Homestead Lake (Skull Creek Site #55)

Construction was completed on Homestead Lake in 2001. The dam offers flood control for nearby communities, and has been developed for public recreation. Recreation facilities include a shelter, restroom, picnic areas, a boat ramp, and hunting areas. FY 2024 proved to be another very popular year for recreationists as the area was extensively used.

Lake Wanahoo

Work was completed on recreation facilities at Lake Wanahoo one mile north of Wahoo in FY 2012. Recreation facilities at the 1,600 acre site straddle the 662-acre lake, with camping and boating access on the west side and a day use area on the east. A rocked hiking/biking trail winds throughout the park, linking the east and west side recreation areas over a breakwater levee one mile north of the dam. Mowed trails north of the levee provide access to undeveloped areas set aside for wildlife habitat.

The camping area contains 75 camper pads, 54 tent camping sites, and 6 primitive cabins. All camper pads are equipped with electrical hookups and are rock surfaced. All sites have fire rings and picnic tables.

The recreation area offers access to two large boat ramps wide enough to accommodate four boats at a time. Boating on the entire lake is no-wake only.

The day use area on the east side of the lake has two large picnic shelters and two smaller ones, all offering scenic views of the lake. In FY 2017 a dump station for RV's was constructed on the east day use area as well as a disc golf course/nature educational trail.

Both the camping and day use areas provide excellent fishing access, with a total of seven fishing jetties. One jetty on each side has an attached handicapped pier. The lake was stocked with largemouth bass, bluegill, blue catfish, crappie, northern pike, and walleye beginning in 2008. Limited hunting opportunities will continue to be available at Lake Wanahoo through the Game & Parks Commission PATH Program, where adults can schedule a time to mentor a youth hunter at designated hunting sites north of the recreation area. An operation and maintenance plan was developed with the assistance of the Nebraska Game and Parks Commission and Pheasants Forever in FY 2014 which identified activities that were implemented in 2015 .

In FY 2019, LPNNRD assumed the responsibilities of administering Lake Wanahoo as a public recreation area from the Nebraska Games & Park Commission.

In FY 2020, the Clint Johannes Education Building was completed on the day use portion of the recreation area. This facility provides a protected outdoor education space for LPNNRD education activities, as well as a public rental facility for the public. Also in FY 2020, six new primitive cabins were installed in the primitive camping portion of the park to give visitors a unique alternative to tent camping.

Recreation Long Range Objectives

- Improve up to 20 additional sites with 50 amp service
- Continue to repair and replace damaged portions of the park from the May, 2024 storm event.
- FEMA has approved disaster relief funding for Saunders County, continuing work with FEMA to repair damages throughout Lake Wanahoo recreation Area.
- Continue to budget funds for maintenance, including grass mowing, tree trimming, grading roads, outhouse cleaning, trash removal, painting, and noxious weed control, at Lake Wanahoo, Czechland, and Homestead Lake Recreation Areas.
- Continue to improve our existing sites and evaluate the development of new outdoor public recreational opportunities as they arise.
- Design and install a 10-14 slip marina on the west side of the lake. Marina will enable campers with boats the opportunity to keep their boats on the water during their stay. Install a fish cleaning station also.
- Continue to assist NE Game & Parks and Pheasant Forever in developing new areas offering public access.

DRAINAGE IMPROVEMENT & CHANNEL RECTIFICATION

It is the general policy of the LPNNRD not to provide financial assistance for drainage improvement and channel rectification unless a project has public benefit and is sponsored by a County, City, Drainage District, or a group of landowners through an established Improvement Project Area. Under this policy, the district has cooperated on several projects that have provided public benefit.

Drainage Improvement and Channel Rectification Long Range Objectives

- Worked with Colfax County to complete new Shell Creek South Channel Improvement/ Benching Projects.
- Partnered with Dodge County and Fremont to support drainage improvements east of Fremont through FEMA.
- Partnered with the North Bend Drainage District, Dodge County, and City of Fremont to support the drainage improvement project for the North Bend drainage ditch through FEMA.
- Continue to oversee the Rawhide Creek West Branch Project to ensure that landowners properly control vegetation.
- Continue providing assistance to Platte Center with stabilizing segments of Elm Creek.
- Evaluate potential technical and funding assistance to counties, cities, and other entities in the district that sponsor sound drainage and channel improvement projects.

WASTE DISPOSAL & POLLUTION OBJECTIVES

Over 30 years ago, vast changes occurred in Nebraska's solid waste regulations. Landfills that weren't properly designed, operated, or sited were required to shut down, as were unauthorized dumps. In order for a landfill to operate, it must be approved by the State and receive a permit. If a permit is not issued, the landfill cannot legally operate. Currently, the only permitted landfill in the Lower Platte North NRD is a facility near David City.

Waste Disposal & Pollution Long Range Objectives

- Promote recycling efforts in the district through education programs, newsletters, and news releases.
- Participate in education efforts to promote the reduction of pollution to our air, water, and soil resources.
- Cooperate and be supportive of other group and agency pollution control efforts, education, and/or regulation.
- Assist and encourage all District communities in establishing collection locations for recyclable wastes.
- Assist District cities and counties in establishing pickup days for hazardous household and farmstead wastes as opportunities arise.
- Promote waste reduction efforts in the district through education and incentives.

INFORMATION & EDUCATION

A major responsibility of the LPNNRD is to keep the public aware of the district's various projects and programs, and to inform and educate children and adults about the wise use and management of our natural resources.

During fiscal year 2024, the Lower Platte North NRD conducted many activities to help residents learn the importance of our soil and water resources and to stay informed of issues and concerns regarding natural resources. Some of the highlights included the following.

Publications and Marketing

The NRD distributes two newsletters each fiscal year. The Winter issue of "The Viaduct" newsletter includes the Annual Report. In FY 2024, more than 23,000 copies of each newsletter were distributed in eight newspapers, emailed and mailed. Previous newsletters are available on the website at www.lpnnrd.org/downloads.

Various brochures describing LPNNRD programs and services were updated as needed. These brochures are displayed in the office and distributed during NRD sponsored events and exhibit booths. Press releases are distributed to district newspapers, email lists and radio stations.

Numerous ads highlighting LPNNRD programs and upcoming deadlines air on KTIC Radio monthly, and digital ads are displayed on Wahoo newspaper's website monthly.

The NRD continues to maintain information and education outreach for the district through the use of social media outlets on Facebook, X, and YouTube. These outlets are maintained weekly and provide information along with photos and videos about the district's ongoing activities and events.

The NRD's website at www.lpnnrd.org contains information on the district's projects and programs, along with staff information, board of directors information, as well as committee and board meeting minutes, and district publications. Online applications and registration forms for various projects and programs are also available. Additionally, online payment capabilities continue to allow customers to pay for trees, rural water bills, and Lake Wanahoo permits.

Promotional videos have been created for the Water Department, Operations & Maintenance department, Projects department, Information and Education department, and the three LPNNRD recreation areas (Czechland Lake, Homestead Lake, and Lake Wanahoo). These 30-second and 60-second videos are shown as educational purposes for presentations, on the LPNNRD website, commercials on area television stations, and featured on social media platforms. Past directors, current directors, and current staff have been featured in the videos. The commercials air on News Channel Nebraska and Nebraska Public Media throughout the year.

Education Programs

During FY 2024, the district continued with two year-long programs. The St. Wenceslaus Pre-kindergarten students learn about wildlife, trees, birds, soil and water conservation through books, pictures, stories, and hands-on activities. The students visited Lake Wanahoo at the end of the year for a field trip filled with nature hikes, nature crafts, and disc golf. The district teamed up with Wahoo Public middle school students for the Survival Club program, making a total of three school years of the program. LPNNRD staff and other outdoor enthusiasts met monthly with students during the school year to learn about hiking, knot tying, 2-legged predators, 4-legged predators, fishing, first aid, foraging for wild foods, fire building and other outdoor survival skills.

The district continues to participate in the Career Exploration Opportunities (CEO) Program with Wahoo Public Schools. During the fall semester of 2023, LPNNRD staff hosted one high school senior and he rotated between each department to learn about the LPNNRD responsibilities.

The Clint Johannes Education Building is utilized for events of all kinds. Local teachers and other organizations will use it for their students and staff as a meeting space with a great view and amenities. The LPNNRD utilizes the building for educational events each month. The event, Coffee Lakeside, has impacted close to 100 people, who meet in the building once a month. Topics included wildflowers, fireflies, animal adaptations, fall activities, phenology, nature based play, lake ecosystems, water flower identification, fungi, and more. All other NRD related events are also hosted in the building or another location at Lake Wanahoo.

Additional events throughout the year included Wildflowers and Wine, Trivia and Game Night, Back to School Night, Community Fishing Event, and Nocturnal Nights. These events drew in participants of all ages with some returning and some new individuals. Staff also participated in the county-wide, Kid's Summer Institute, that ran all of June. Students participated in dip netting for macroinvertebrates; birding; disc golf; nature journaling; and wild about wildflowers.

The Lower Platte North NRD and Lower Platte South NRD rotate in hosting the East Central Land Judging Contest. Land Judging is a competition for high students that challenges them to gain a better understanding of soil structure and land evaluation. The Lower Platte North NRD works with local NRCS employees to choose a site location and help with site preparation. The Lower Platte North NRD staff and NRCS staff will assist in the preparation, contest monitoring, and scoring efforts during the contest.

The annual LPNNRD Spring Conservation Sensation was held on May 1st at Lake Wanahoo. Fifth and sixth grade students from Saunders, Butler, and Dodge Counties participated in various activities. Hands-on activities were presented by LPNNRD staff, additional personnel from various agencies and organizations, and volunteers to teach students about the environment, natural resources, tree planting, lake ecosystems, wildlife education and more. Nearly 300 students attended the event.

The third annual LPNNRD Natural Resources Camp was held at Lake Wanahoo. For one week, attendees learned how to fish, how to go birding, about the amphibians and reptiles of Nebraska, and insects, both macroinvertebrates they found in the lake and the land dwelling butterflies and moths.

Test Your Well Event is a program that partners with area FFA chapters to host public events, providing nitrate testing of water samples from private wells at no cost to the attendees. The district held 2 events in FY 2024.

District staff provided various presentations and activities during natural resources festivals, field days, out-of-school time programs, school classrooms, online activities on the LPNNRD website, and adult education events. As a result of the district's educational outreach efforts, there was interaction with approximately 3,504 youth and 326 adults in FY 2024.

Information & Education Long Range Objectives

- Publish the district newsletter "Viaduct" biannually in an electronic format and as a printed newspaper insert in 8 area newspapers.

- Send timely news releases to the local media on various LPNNRD programs, projects, and activities.
- Disperse pamphlets and other publications about LPNNRD programs.
- Update the district's website frequently.
- Provide a display at county fairs or agriculture events (up to five major counties) within the district.
- Continue information and education outreach for the district through the use of tools such as local radio stations, local TV stations, and social media outlets.
- Provide district elementary students with free trees, as requested, in the spring.
- Provide LPNNRD staff as requested to speak to community organizations and schools on NRD activities and environmental topics.
- Provide various education programs, events, and activities to area schools and out-of-school time programs.
- Host the East Central Region Land Judging Contest in the fall of 2024.
- Host the annual Spring Conservation Sensation in May 2025.
- Develop new programs and promotional projects to aid in outreach efforts of the district.
- Provide assistance and publications for the students involved in the Shell Creek Watershed Monitoring Program.
- Continue to provide a scholarship for graduating seniors in the Shell Creek Watershed Monitoring Program who plan to pursue higher education relating to science or natural resources.
- Search for new and effective ways to inform and educate the public on the NRD purpose and programs.
- Participate with the Information & Education (I&E) Staff Group to coordinate statewide I&E activities and produce statewide products.
- Increase participation in activities sponsored by other agencies relating to the NRD's responsibilities.
- Seek to have conservation/environmental education as a part of the school curriculum.
- Support environmental education activities and events throughout the district, and neighboring NRDs.
- Assist in the development of an outdoor classroom for a district school.
- Partner with district schools to host Test Your Well Events annually.

The staff of the Lower Platte North NRD includes 21 full-time and 11 part-time/seasonal employees. The NRD administers a full-time field technician, four field office assistants in Natural Resource Conservation Service county offices, and a Recreation Facilitator for Czechland & Homestead Lake Recreation Areas.

Included in the part-time positions, the district employs seasonal conservation technicians to assist in the layout of land treatment structures. There are seasonal summer employees hired to help with Lake Wanahoo, water sampling, tree planting, and maintenance of LPNNRD projects. Personnel positions and assigned responsibilities may increase in the future as increased project and program responsibilities increase.

Current staff as of September 1, 2024:
Sydney Abbott, Education Coordinator
Daryl Andersen, Water Resources Manager
Kaitlyn Bargen, Wanahoo Recreation Supervisor/Water Resources Specialist
Brandon Beethe, Grants/GIS Coordinator
Jill Breunig, Bookkeeping Department Head/Administrative Assistant
Ryan Chapman, Assistant General Manager
Sean Elliott, Projects/Rural Water Manager
Carson Euse, Recreation Facilitator Czechland & Homestead Lakes
Eric Gottschalk, General Manager
Bob Heimann, Operations & Maintenance Manager
David Moore, Operations & Maintenance Technician
Russell Oaklund, Lead Water Resources Specialist
Karen Rezac, Department/Administrative Assistant
Lacey Sabatka, Information Coordinator
Jon Speichinger, Operations & Maintenance Technician
Jacob Stover, Water Resources Specialist

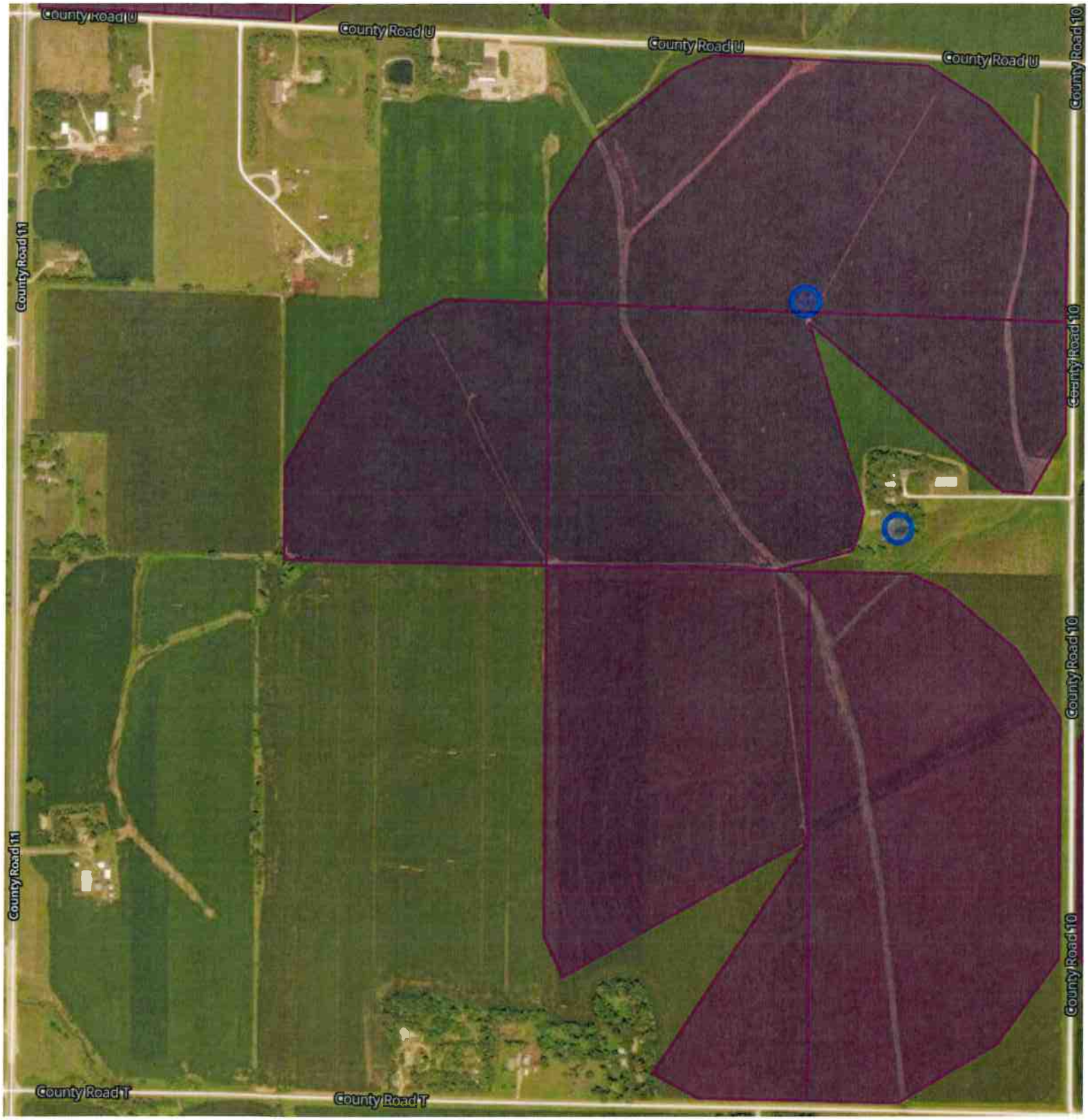
Staff Support for NRCS Offices:
Adam Brockman, Conservation Technician
Jessica Marty, NRD/NRCS Field Office Assistant (Dodge County)
Marla Milliken, NRD/NRCS Field Office Assistant (Saunders County)
Kristin Miller, NRD/NRCS Field Office Assistant (Colfax County)
Kimberly Piitz , NRD/NRCS Field Office Assistant (Butler County)

FINANCES

Funding required for the LPNNRD projects and programs for Fiscal Year 2025 requires a general operating budget of $14,085,234 of which $3,480,715 is required from the district's local tax levy. The FY 2025 tax levy of .025767 cents per $100 actual valuation is required from District property. Projected expenses and income for FY 2022-2030 are shown in Appendix F.

A tax levy of .025767 means that an owner of a $150,000 home will pay $42.98 in NRD taxes in FY 2024. An owner of farm land valued at $7,000 per acre will pay $2.00 an acre/year to the NRD in FY 2025. The LPNNRD levy represents about two percent of the total property tax collected.

Although it is expected that the amount of revenue from all sources will fluctuate during the next few years, it is anticipated that the LPNNRD will operate at a mill levy between $0.025 and $0.055 per $100 actual valuation as the District continues to assist with flood reduction project priorities and to address our responsibilities with groundwater water quality and quantity management.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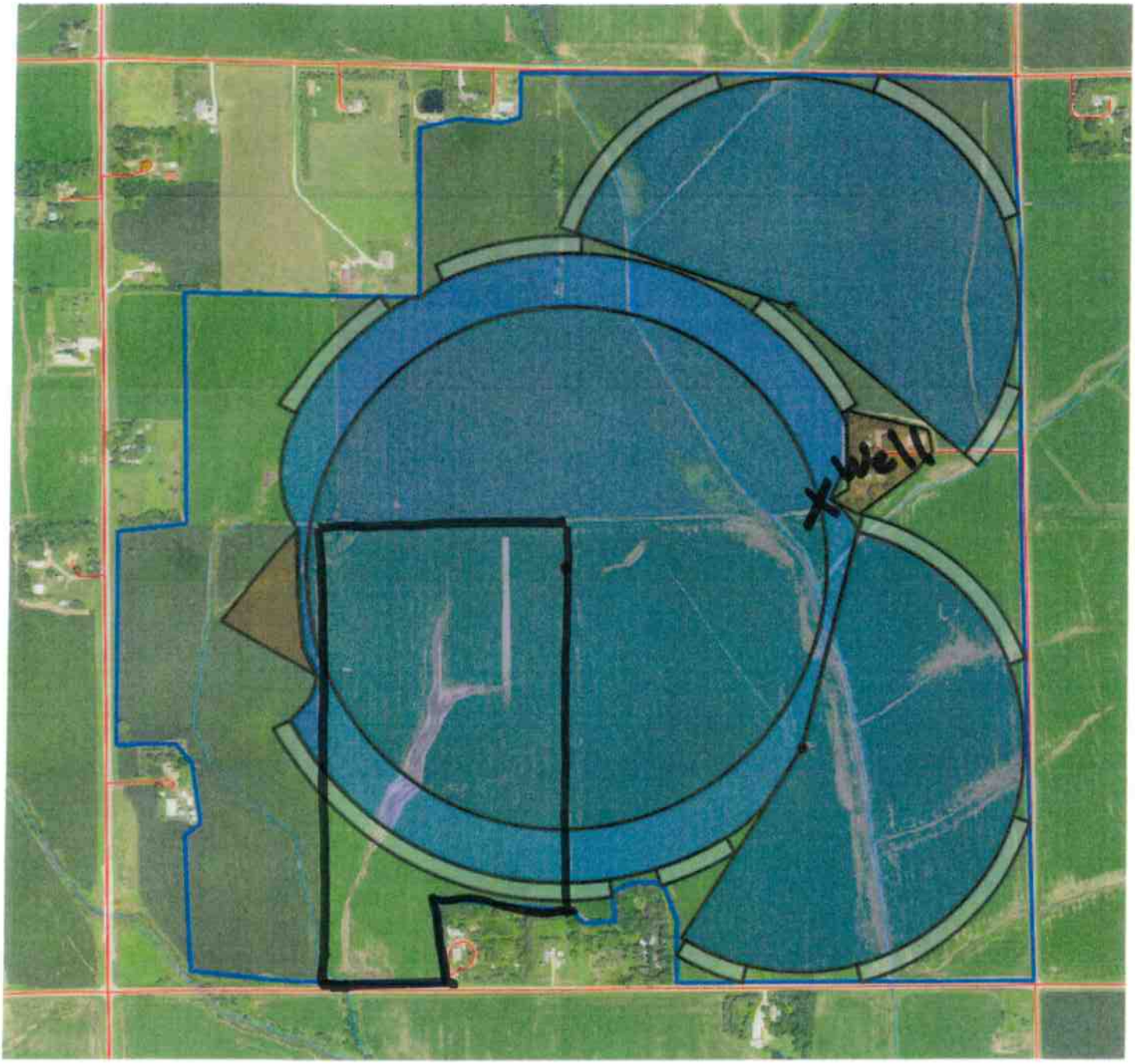
Doug Bartek

Advanced Irrigation Solutions LLC

Reinke
MORE RIGHT THAN RAIN

4285 N Broad St
Fremont Ne 68025
402-720-7900

Grower: Dalton Bartek



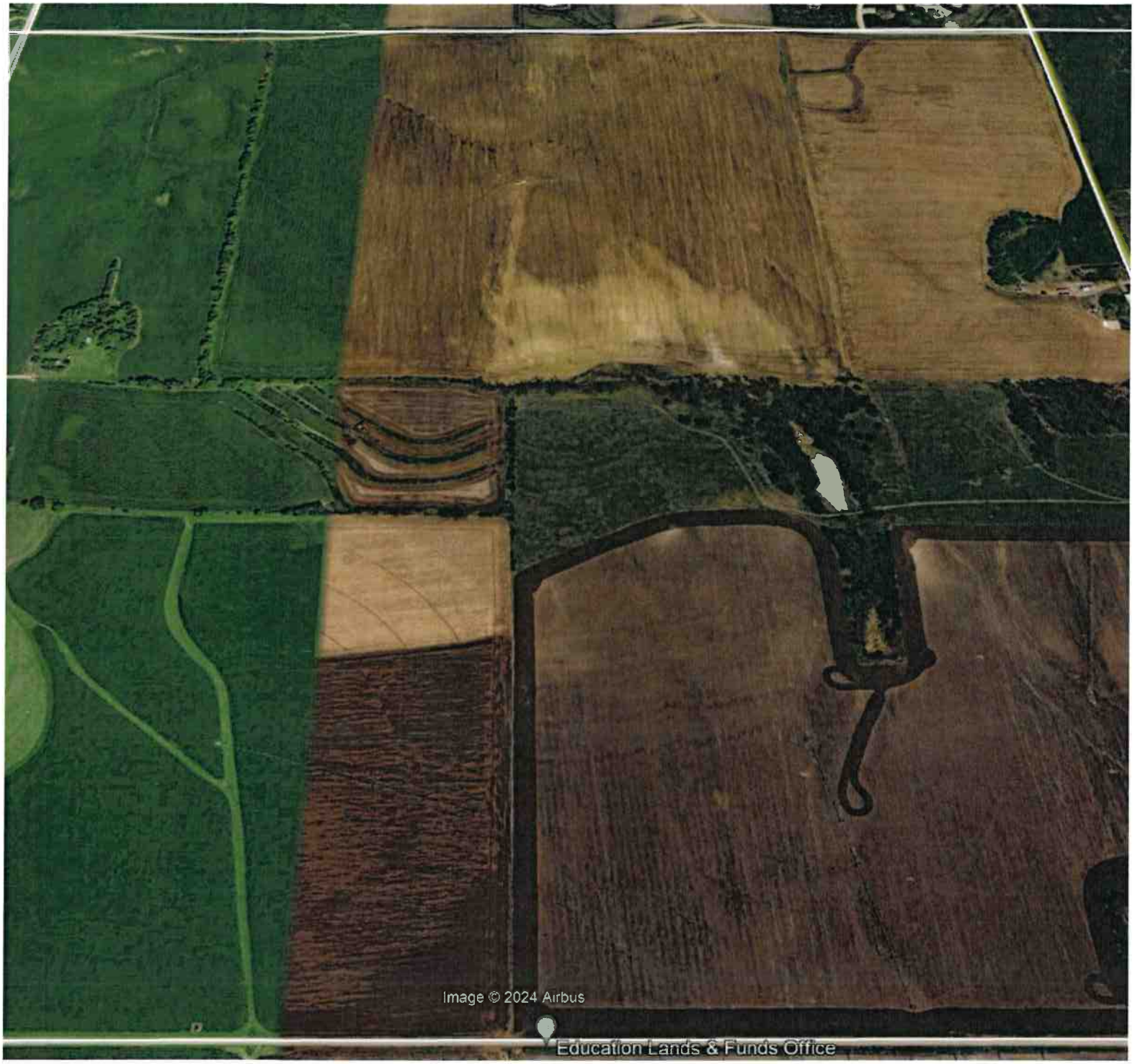
Draft Changes

Application Number	Applicant Name	Date:	8/27/24 10:27 AM	
LPN-V-024-	Doug Bartek		Total Score->	442.5
Category	Divisions	Points Available	Percent of Application	Points Received
New Groundwater Consumptive Use	**WF= 1.0**			
	0 to 8 Acre Feet	100	0	0
	9 to 16 Acre Feet	80	100	80
	17 to 24 Acre Feet	60	0	0
	25 to 32 Acre Feet	40	0	0
	33 to 40 Acre Feet	20	0	0
	41+ Acre Feet	0	0	0
			Total ->	80
Land Class of field	**WF= 1.0**			
	No Land Impact	100	0	0
	Class 1	100	0	0
	Class 2	80	100	80
	Class 3	60	0	0
	Class 4	40	0	0
	Class 5	10	0	0
	Class 6-8/ not more than 20%	0	0	0
			Total ->	80
Stream Depletion Factor From DNR	**WF= 1.25**			
	10 to 20%	100	0	0
	21 to 30%	90	0	0
	31 to 40%	80	0	0
	41 to 50%	70	0	0
	51 to 60%	60	0	0
	61 to 70%	50	100	62.5
	71 to 80%	40	0	0
	81 to 90%	20	0	0
	>90%	10	0	0
			Total ->	62.5
Saturated Thickness	**WF= 1.0**			
	176 to 200 ft.	100	0	0
	151 to 175 ft.	90	0	0
	126 to 150 ft.	80	0	0
	101 to 125 ft.	70	0	0
	76 to 100 ft.	40	0	0
	51 to 75 ft.	20	100	20
	26 to 50 ft.	10	0	0
	0 to 25 ft.	0	0	0
			Total ->	20
Specific Yield	**WF= 1.0**			
	18.1 to 22 %	100	100	100
	14.1 to 18 %	60	0	0
	10.1 to 14 %	30	0	0
	6.1 to 10 %	10	0	0
	2 to 6%	0	0	0
			Total ->	100
Transmissivity	**WF= 1.0**			
	21331 to 23700	100	0	0
	18961 to 21330	90	0	0
	16591 to 18960	80	0	0

	14221 to 16590	70	0	0
	11851 to 14220	60	0	0
	9481 to 11850	50	0	0
	7111 to 9480	40	100	40
	4741 to 7110	30	0	0
	2371 to 4740	20	0	0
	0 to 2370	10	0	0
			Total ->	40
Irrigation Systems	**WF= 1.0**			
	Subsurface Drip	100	0	0
	Surface Drip	80	0	0
	Pivot	60	100	60
	Gravity, Gun, Other	10	0	0
			Total ->	60
Additional Points	**WF= 1.0**			
	Chemigation	10	0	0
	Variable Rate Irrigation	10	0	0
			Total ->	0

Minimum Score of 300 is needed to be considered for variance approval Once a variance is submitted and not approved, it will be carried over for 3 years Land Classes 6-8, with slopes, greater than 20% of the parcel not eligible for a variance	Total Score->	442.5

Rerch mwth Ag



Reichmuth Ag

Draft Changes				
Application Number	**Applicant Name**	Date:	8/27/24 10:30 AM	
LPN-V-024-	Reichmuth Ag		Total Score->	299.08
Category	Divisions	Points Available	Percent of Application	Points Received
New Groundwater Consumptive Use	**WF= 1.0**			
	0 to 8 Acre Feet	100	100	100
	9 to 16 Acre Feet	80	0	0
	17 to 24 Acre Feet	60	0	0
	25 to 32 Acre Feet	40	0	0
	33 to 40 Acre Feet	20	0	0
	41+ Acre Feet	0	0	0
			Total ->	100
Land Class of field	**WF= 1.0**			
	No Land Impact	100	0	0
	Class 1	100	0	0
	Class 2	80	36.9	29.52
	Class 3	60	1.5	0.9
	Class 4	40	0	0
	Class 5	10	61.6	6.16
	Class 6-8/ not more than 20%	0	0	0
			Total ->	36.58
Stream Depletion Factor From DNR	**WF= 1.25**			
	10 to 20%	100	0	0
	21 to 30%	90	0	0
	31 to 40%	80	0	0
	41 to 50%	70	0	0
	51 to 60%	60	0	0
	61 to 70%	50	0	0
	71 to 80%	40	0	0
	81 to 90%	20	0	0
	>90%	10	100	12.5
			Total ->	12.5
Saturated Thickness	**WF= 1.0**			
	176 to 200 ft.	100	0	0
	151 to 175 ft.	90	0	0
	126 to 150 ft.	80	0	0
	101 to 125 ft.	70	0	0
	76 to 100 ft.	40	100	40
	51 to 75 ft.	20	0	0
	26 to 50 ft.	10	0	0
	0 to 25 ft.	0	0	0
			Total ->	40
Specific Yield	**WF= 1.0**			
	18.1 to 22 %	100	0	0
	14.1 to 18 %	60	0	0
	10.1 to 14 %	30	100	30
	6.1 to 10 %	10	0	0
	2 to 6%	0	0	0
			Total ->	30
Transmissivity	**WF= 1.0**			
	21331 to 23700	100	0	0
	18961 to 21330	90	0	0
	16591 to 18960	80	0	0

	14221 to 16590	70	0	0
	11851 to 14220	60	0	0
	9481 to 11850	50	0	0
	7111 to 9480	40	0	0
	4741 to 7110	30	0	0
	2371 to 4740	20	100	20
	0 to 2370	10	0	0
			Total ->	20
Irrigation Systems	**WF= 1.0**			
	Subsurface Drip	100	0	0
	Surface Drip	80	0	0
	Pivot	60	100	60
	Gravity, Gun, Other	10	0	0
			Total ->	60
Additional Points	**WF= 1.0**			
	Chemigation	10	0	0
	Variable Rate Irrigation	10	0	0
			Total ->	0

Minimum Score of 300 is needed to be considered for variance approval Once a variance is submitted and not approved, it will be carried over for 3 years Land Classes 6-8, with slopes, greater than 20% of the parcel not eligible for a variance	Total Score->	299.08

Draft Changes

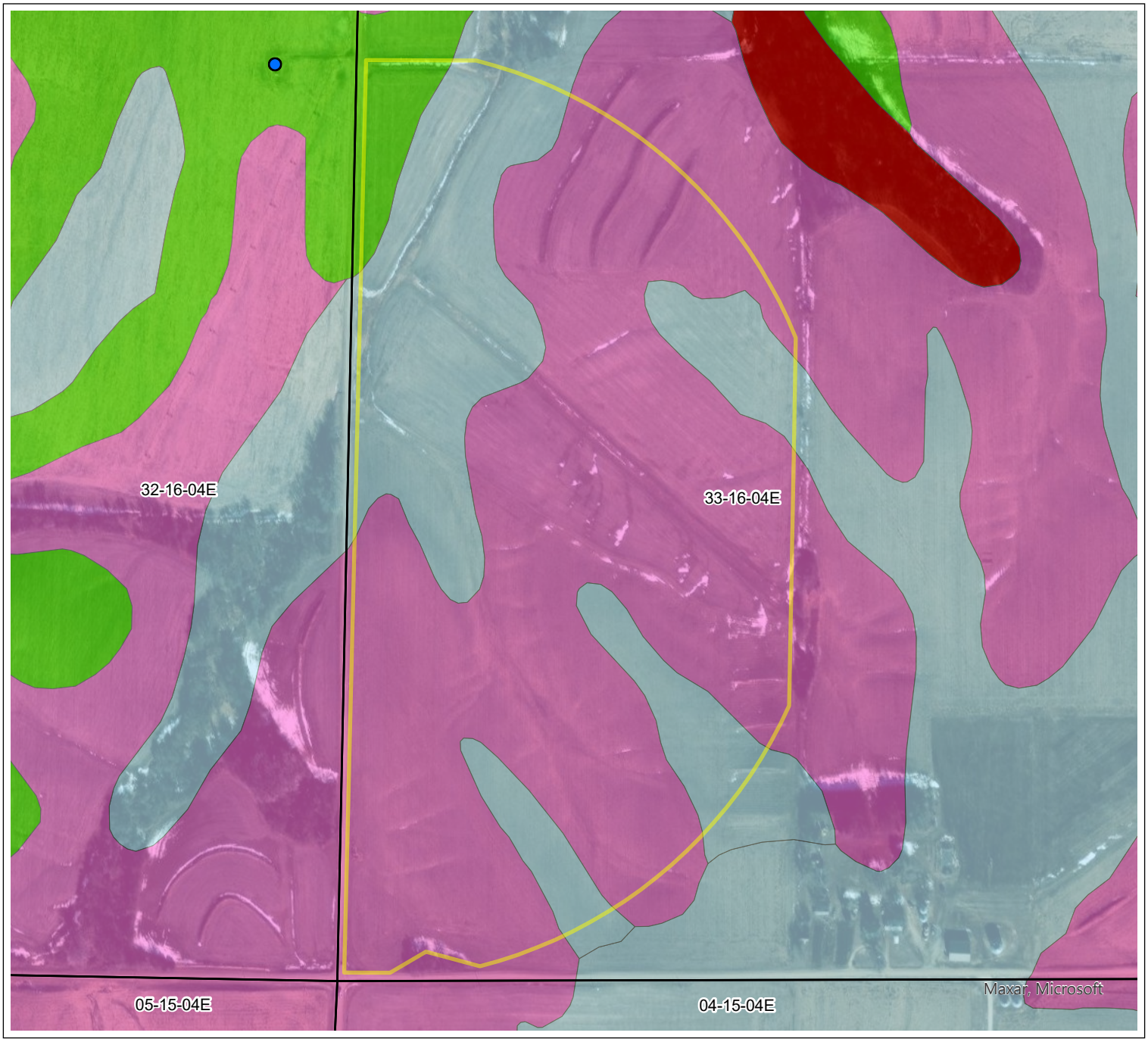
Application Number	Applicant Name	Date:	8/27/24 10:33 AM	
LPN-V-024-	Reichmuth Ag		Total Score->	322.64

Category	Divisions	Points Available	Percent of Application	Points Received
New Groundwater Consumptive Use	**WF= 1.0**			
	0 to 8 Acre Feet	100	100	100
	9 to 16 Acre Feet	80	0	0
	17 to 24 Acre Feet	60	0	0
	25 to 32 Acre Feet	40	0	0
	33 to 40 Acre Feet	20	0	0
	41+ Acre Feet	0	0	0
			Total ->	100
Land Class of field	**WF= 1.0**			
	No Land Impact	100	0	0
	Class 1	100	0	0
	Class 2	80	34.7	27.76
	Class 3	60	45.1	27.06
	Class 4	40	11	4.4
	Class 5	10	9.2	0.92
	Class 6-8/ not more than 20%	0	0	0
			Total ->	60.14
Stream Depletion Factor From DNR	**WF= 1.25**			
	10 to 20%	100	0	0
	21 to 30%	90	0	0
	31 to 40%	80	0	0
	41 to 50%	70	0	0
	51 to 60%	60	0	0
	61 to 70%	50	0	0
	71 to 80%	40	0	0
	81 to 90%	20	0	0
	>90%	10	100	12.5
			Total ->	12.5
Saturated Thickness	**WF= 1.0**			
	176 to 200 ft.	100	0	0
	151 to 175 ft.	90	0	0
	126 to 150 ft.	80	0	0
	101 to 125 ft.	70	0	0
	76 to 100 ft.	40	100	40
	51 to 75 ft.	20	0	0
	26 to 50 ft.	10	0	0
	0 to 25 ft.	0	0	0
			Total ->	40
Specific Yield	**WF= 1.0**			
	18.1 to 22 %	100	0	0
	14.1 to 18 %	60	0	0
	10.1 to 14 %	30	100	30
	6.1 to 10 %	10	0	0
	2 to 6%	0	0	0
			Total ->	30
Transmissivity	**WF= 1.0**			
	21331 to 23700	100	0	0
	18961 to 21330	90	0	0
	16591 to 18960	80	0	0

	14221 to 16590	70	0	0
	11851 to 14220	60	0	0
	9481 to 11850	50	0	0
	7111 to 9480	40	0	0
	4741 to 7110	30	0	0
	2371 to 4740	20	100	20
	0 to 2370	10	0	0
			Total ->	20
Irrigation Systems	**WF= 1.0**			
	Subsurface Drip	100	0	0
	Surface Drip	80	0	0
	Pivot	60	100	60
	Gravity, Gun, Other	10	0	0
			Total ->	60
Additional Points	**WF= 1.0**			
	Chemigation	10	0	0
	Variable Rate Irrigation	10	0	0
			Total ->	0

Minimum Score of 300 is needed to be considered for variance approval Once a variance is submitted and not approved, it will be carried over for 3 years Land Classes 6-8, with slopes, greater than 20% of the parcel not eligible for a variance	Total Score->	322.64

Proposed Expansion
33-16-04E Butler County



0 255 510 1,020 1,530 2,040 2,550 3,060 Feet

Land Class

1	4
2	5
3	6; 7; 8

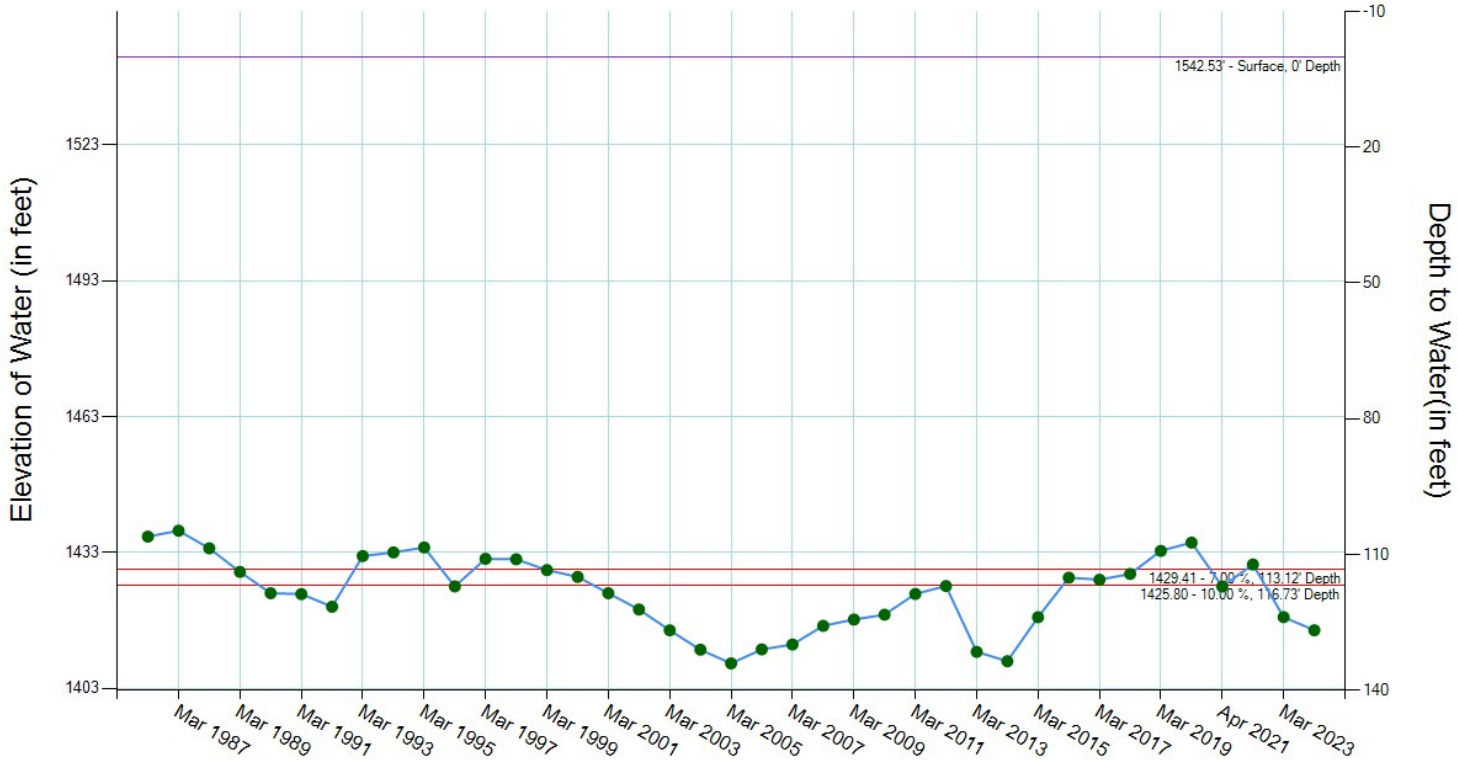
Class 2: 19.2 Acres, 29.6% of field
Class 3: 1.7 Acres, 2.6% of field
Class 4: 43.9 Acres, 67.8% of field

LOWER PLATTE NORTH
Natural Resources District

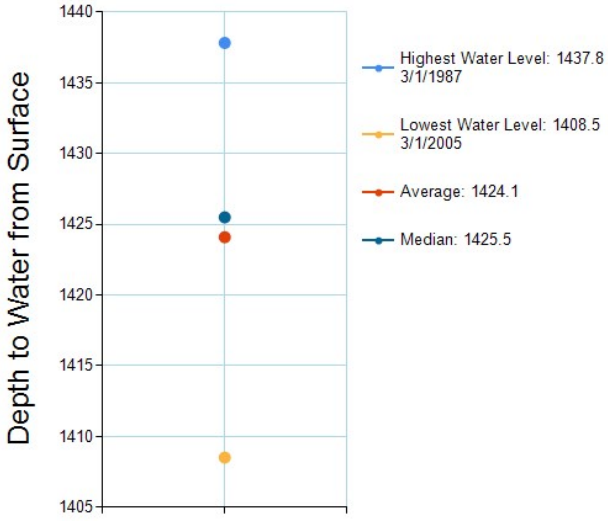
N

RegCD: G-064907 **Well #:** UP-14A SWN 20
Region: Uplands **County:** Butler
Legal: 16-4E-32 **Owner Name:** Terry Vavrina

Water Level Readings

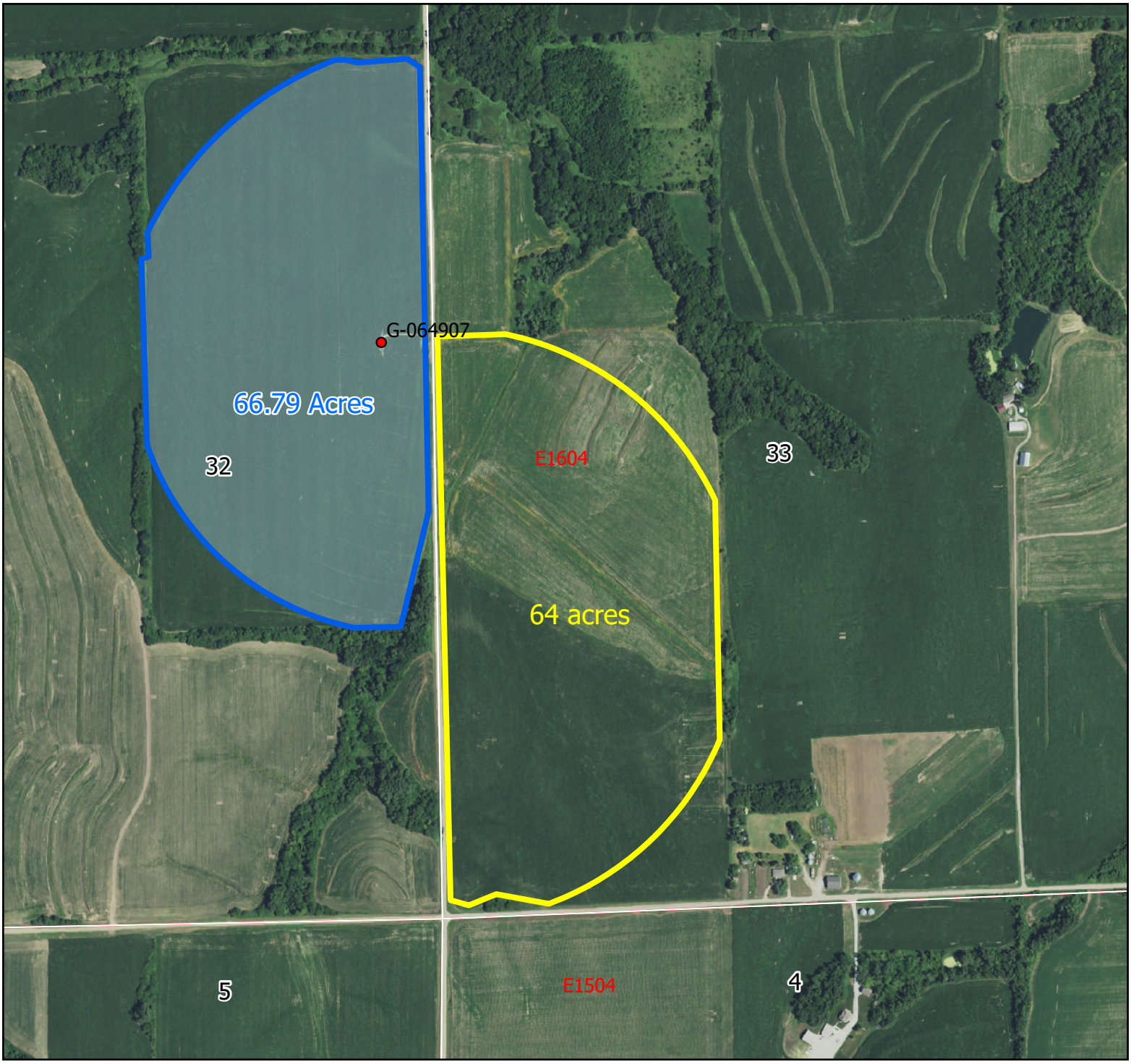


Record Results



Historical Readings (date - reading)

03/01/1986 - 1436.5	03/01/1996 - 1425.5	03/01/2006 - 1411.6	03/01/2016 - 1427.5
03/01/1987 - 1437.8	03/01/1997 - 1431.6	03/01/2007 - 1412.7	03/01/2017 - 1427
03/01/1988 - 1433.9	03/01/1998 - 1431.5	03/01/2008 - 1416.8	03/21/2018 - 1428.3
03/01/1989 - 1428.7	03/01/1999 - 1429.1	03/01/2009 - 1418.2	03/28/2019 - 1433.4
03/01/1990 - 1424	03/01/2000 - 1427.6	03/01/2010 - 1419.3	03/24/2020 - 1435.2
03/01/1991 - 1423.8	03/01/2001 - 1424	03/01/2011 - 1423.9	04/01/2021 - 1425.5
03/01/1992 - 1421	03/01/2002 - 1420.4	03/01/2012 - 1425.6	03/18/2022 - 1430.4
03/01/1993 - 1432.2	03/01/2003 - 1415.8	03/01/2013 - 1411.1	03/22/2023 - 1418.7
03/01/1994 - 1433	03/01/2004 - 1411.5	03/01/2014 - 1409	03/20/2024 - 1415.8
03/01/1995 - 1434.1	03/01/2005 - 1408.5	03/01/2015 - 1418.7	



Proposed Expansion: 33-16-04E Butler County

LOWER PLATTE NORTH
Natural Resources District

0 350 700 1,400
Feet

N

Lower Platte North NRD Integrated Management Plan 2024 Annual Report

August 28 @ 6:00pm
LPNNRD Office, Wahoo, NE

Daryl Andersen
Water Resources Manager

Tyler Martin
IWM Coordinator

LOWER PLATTE NORTH
Natural Resources District

NEBRASKA
Good Life. Great Water.
DEPT. OF NATURAL RESOURCES

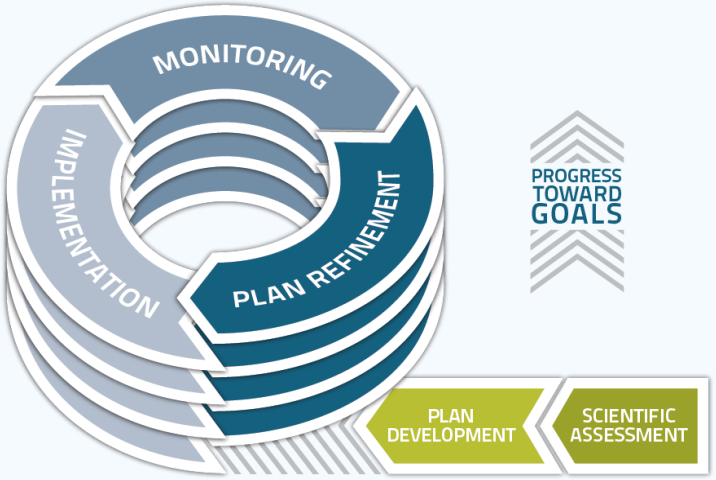
Purpose

- IMP Process
- Surface and Groundwater Data Collection and Monitoring
  - NeDNR and LPNNRD
- Consortium Plan Implementation
- Action Plan

WHY CONDUCT IMP REVIEWS?

Joint management of hydrologically connected (HC) groundwater and surface water:

- Identify new opportunities and challenges
- Increase understanding of HC areas (data, studies)
- Evaluate and convey progress towards goals and objectives
- Prioritize joint management actions for upcoming years



IMP OVERVIEW

IMP Goals

Goal 1

Develop and maintain a District-wide water supply inventory.

Goal 2

Develop and maintain a District-wide water demand inventory.

Goal 3

Develop and implement water use policies and practices with the purpose of achieving and sustaining a balance between water uses and supplies.

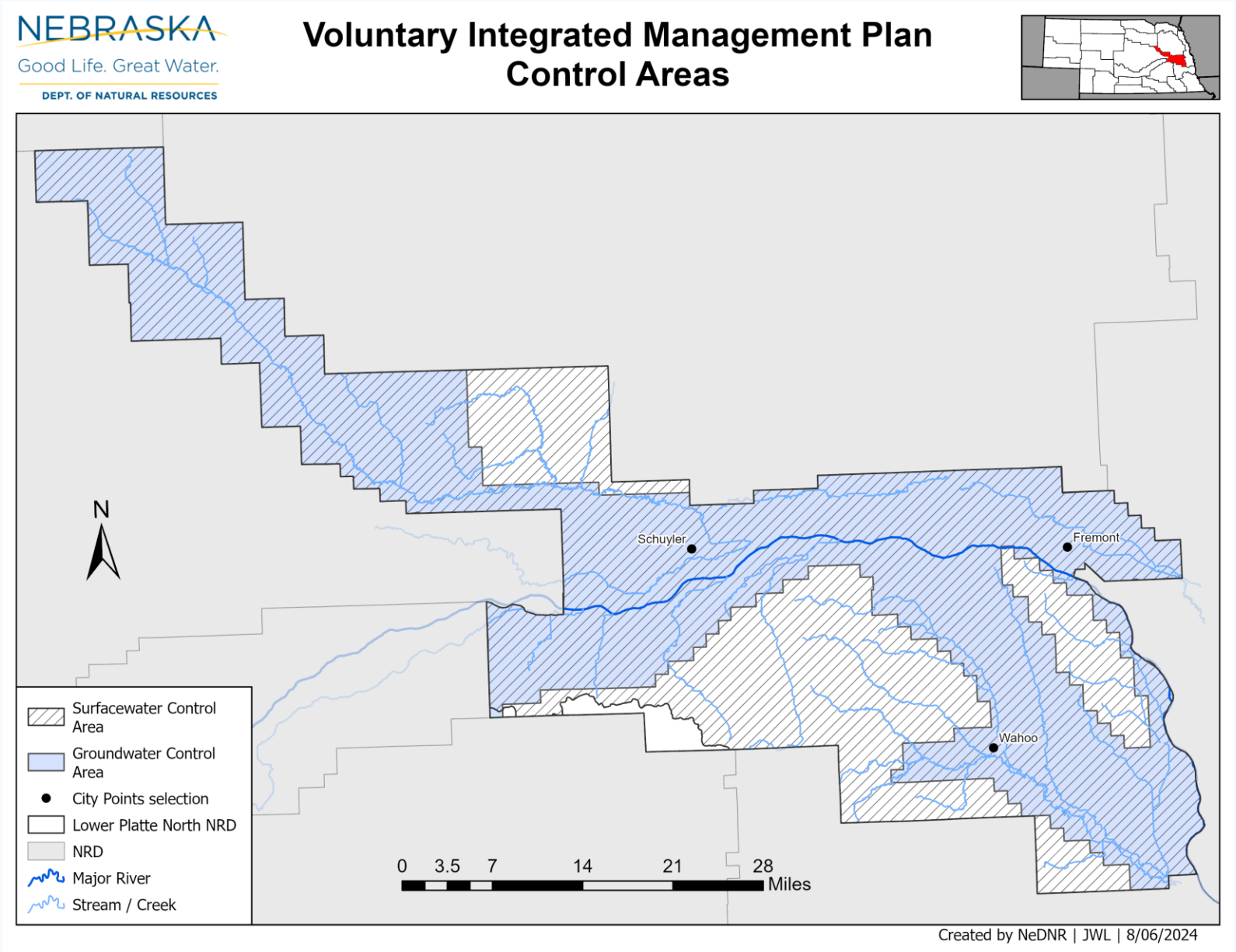
Goal 4

Communicate to the public that Nebraska has a great supply of water, and we need to continue to manage it well.

Goal 5

Coordinate with Lower Platte River Basin NRDs, and appropriate groups and agencies, to develop a water management plan for the Lower Platte River Basin that maintains a balance between current and future water supplies and demands.

LPNNRD IMP Control Areas



IMP Controls

- Groundwater
  - Limit new groundwater uses to 50% of the annually available stream depletions over the Basin Plan's first five-year increment
  - Require annual use reports for municipal groundwater users
- Surface water
  - Limit new groundwater uses to 50% of the annually available stream depletions over the Basin Plan's first five-year increment
  - Require annual use reports for municipal surface water permit holders and municipal groundwater transfer permit holders

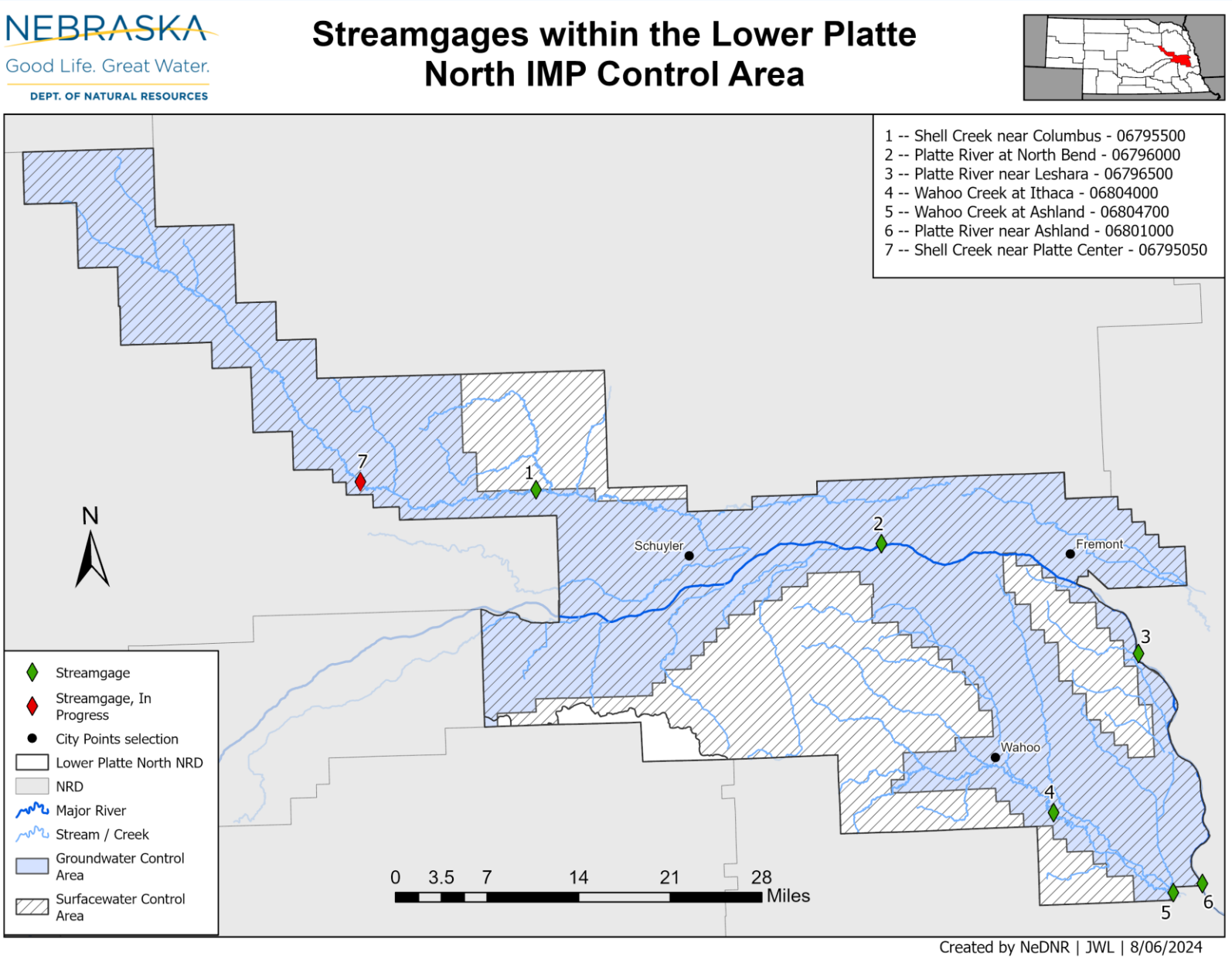
Surface Water and Groundwater Monitoring

NeDNR Data Collection & Monitoring

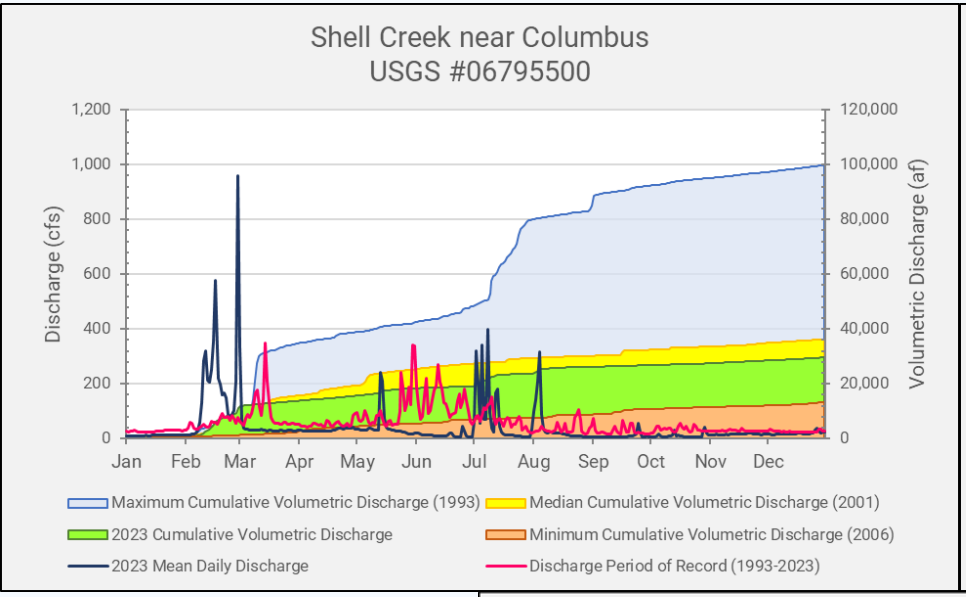
NeDNR Monitoring

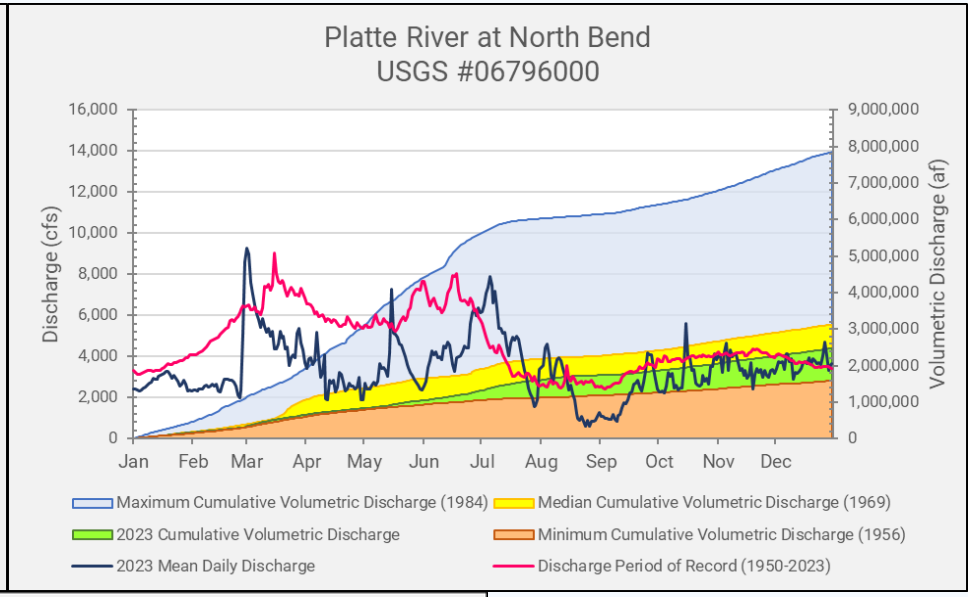
- Surface water monitoring: streamgage locations
- Surface water pump site inspections
- Surface water administration
- Voluntary surface water use reporting
- Hydrologic Investigation Project (HIP)

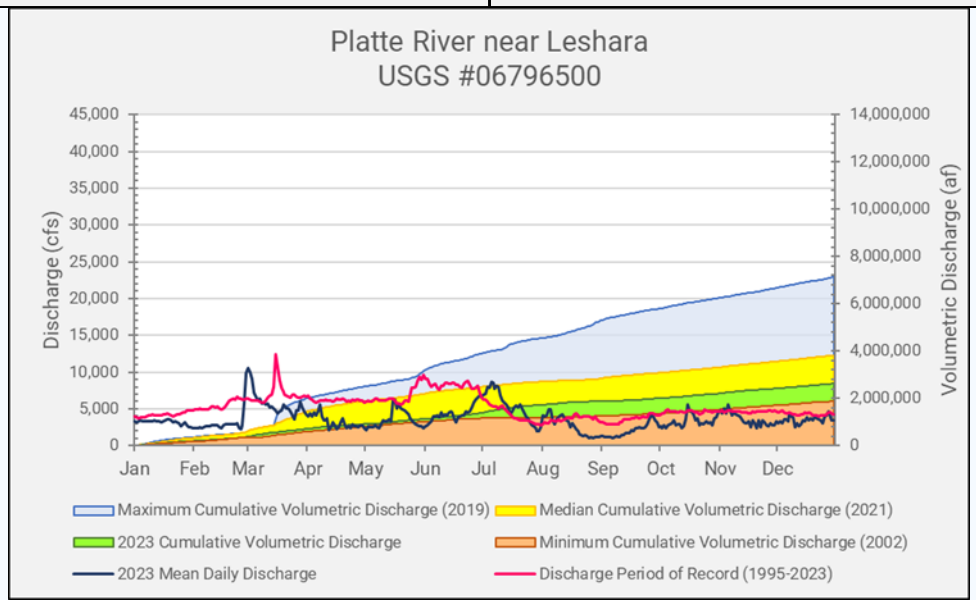
USGS Streamgage Locations in LPNNRD



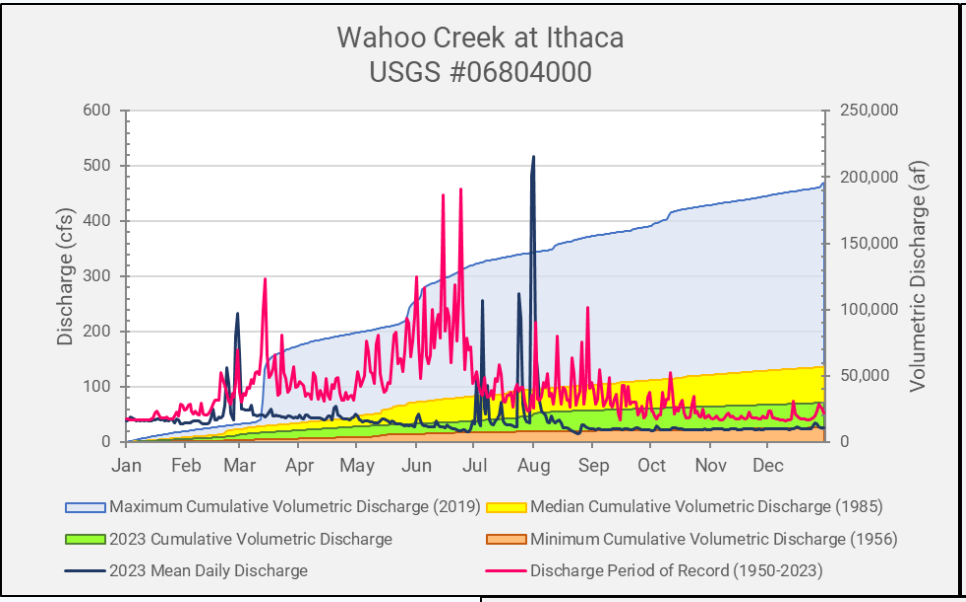
Surface Water Monitoring

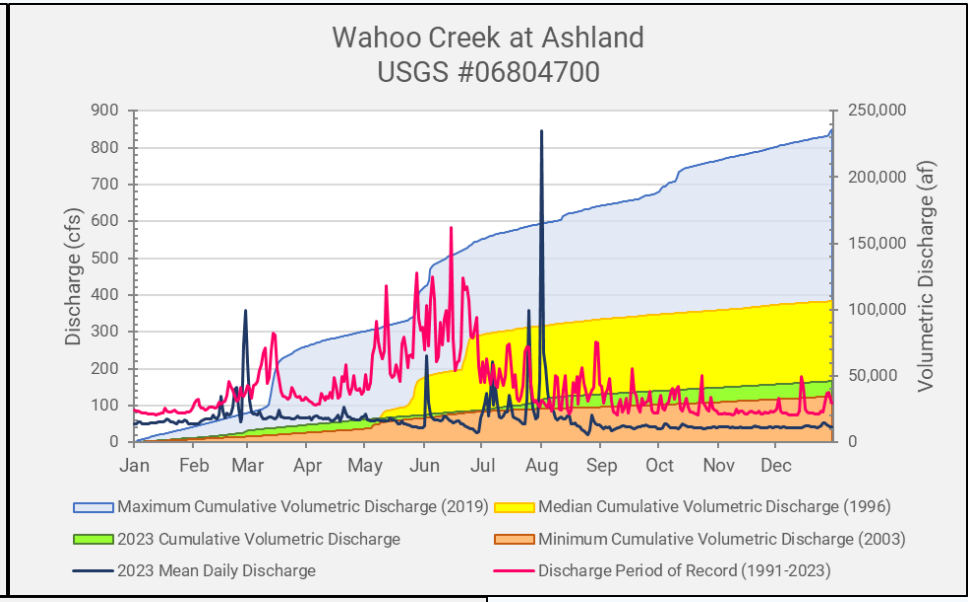


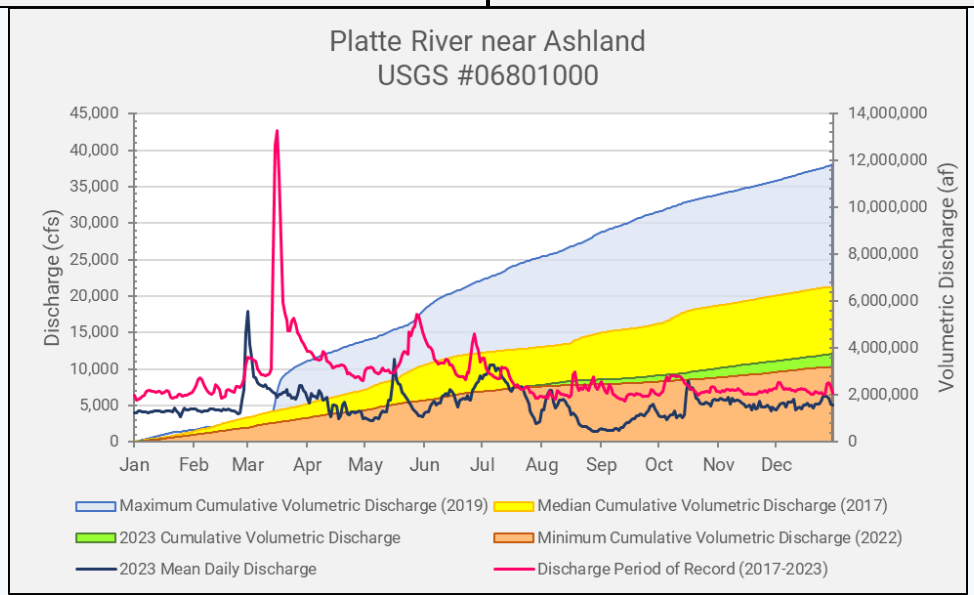




SURFACE WATER MONITORING







NEBRASKA
DEPT. OF NATURAL RESOURCES

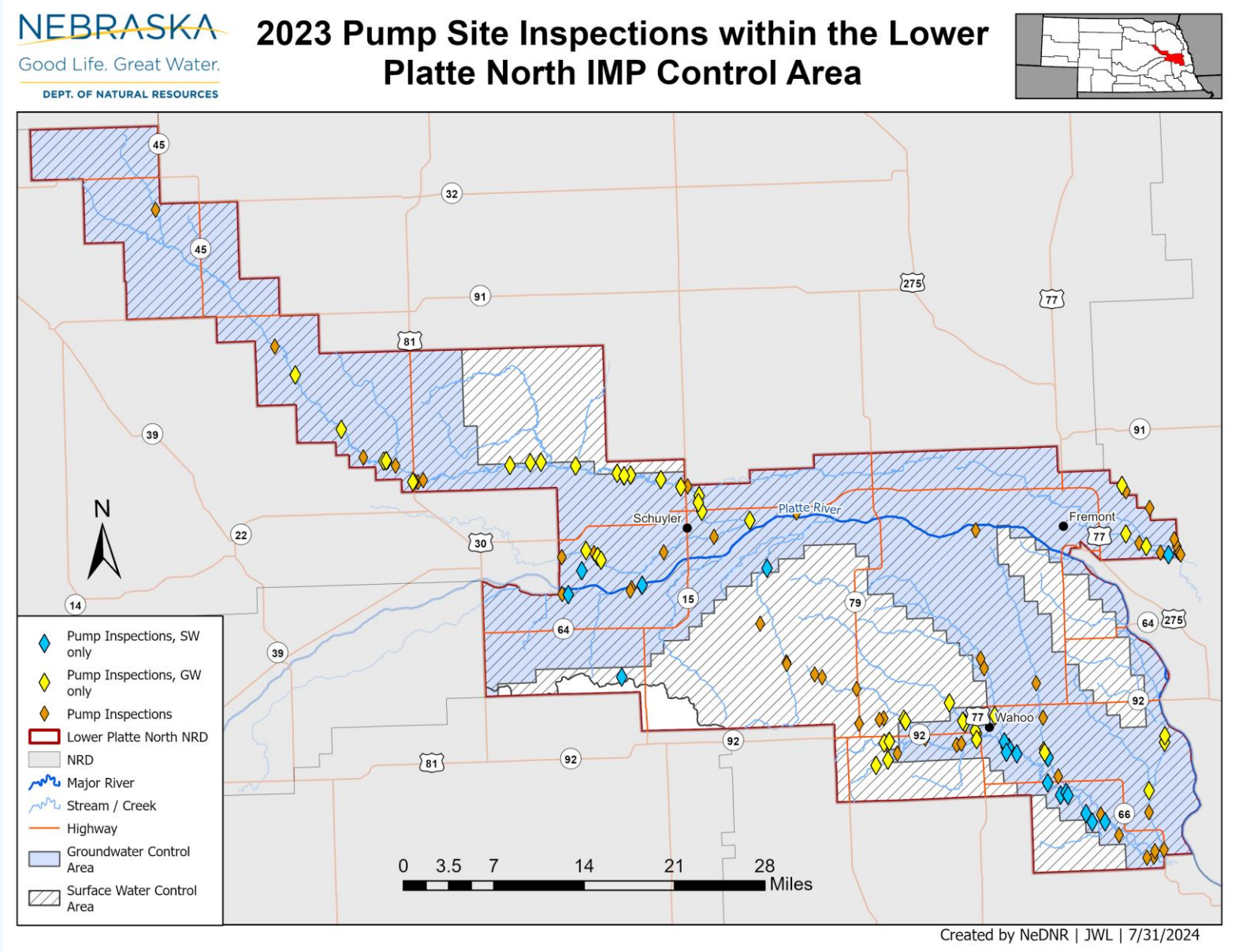
NeDNR Surface Water Pump Site Inspections

During Summer 2023, the Department inspected 143 pump sites within the LPNNRD. Of the sites visited:

- 24 were surface water
- 54 were groundwater
- 70 appeared to be dryland
- 2 comingled
- A total of 220 pump site observations were made. Some rights were visited more than once for water administration purposes.

As time and conditions allow, the NeDNR field office staff visit pump sites for each appropriation to check for compliance and collect various data.

NeDNR Surface Water Pump Site Inspections



NeDNR Surface Water Pump Site Inspections

2023 Surface Water Pump Site Inspections – Lower Platte Basin NRDs			
NRD	**Total Number of Permits**	**Number of pump site Inspections**	**Number of pump sites set up for irrigation**
Lower Elkhorn	344	341	85
Lower Loup	758	656	368
Lower Platte North	137	137	24
Lower Platte South	201	175	36
Papio-Missouri River	109	91	19
Upper Elkhorn	86	84	21
Upper Loup	30	18	0
Total	**1665**	**1502**	**553**

NEBRASKA
DEPT. OF NATURAL RESOURCES

NeDNR Voluntary Surface Water Use Reporting for LPNNRD

	Surface Water Only	Groundwater Only	Co-Mingled	Dryland	Average Inches
2023 Water Use Acres and Source					
# Responses	16	6	2	9	
Acres Irrigated	1765		217		
2023 Estimated Water Use*					
# Responses	9		3		6.3
Acres Irrigated	831.5		65		

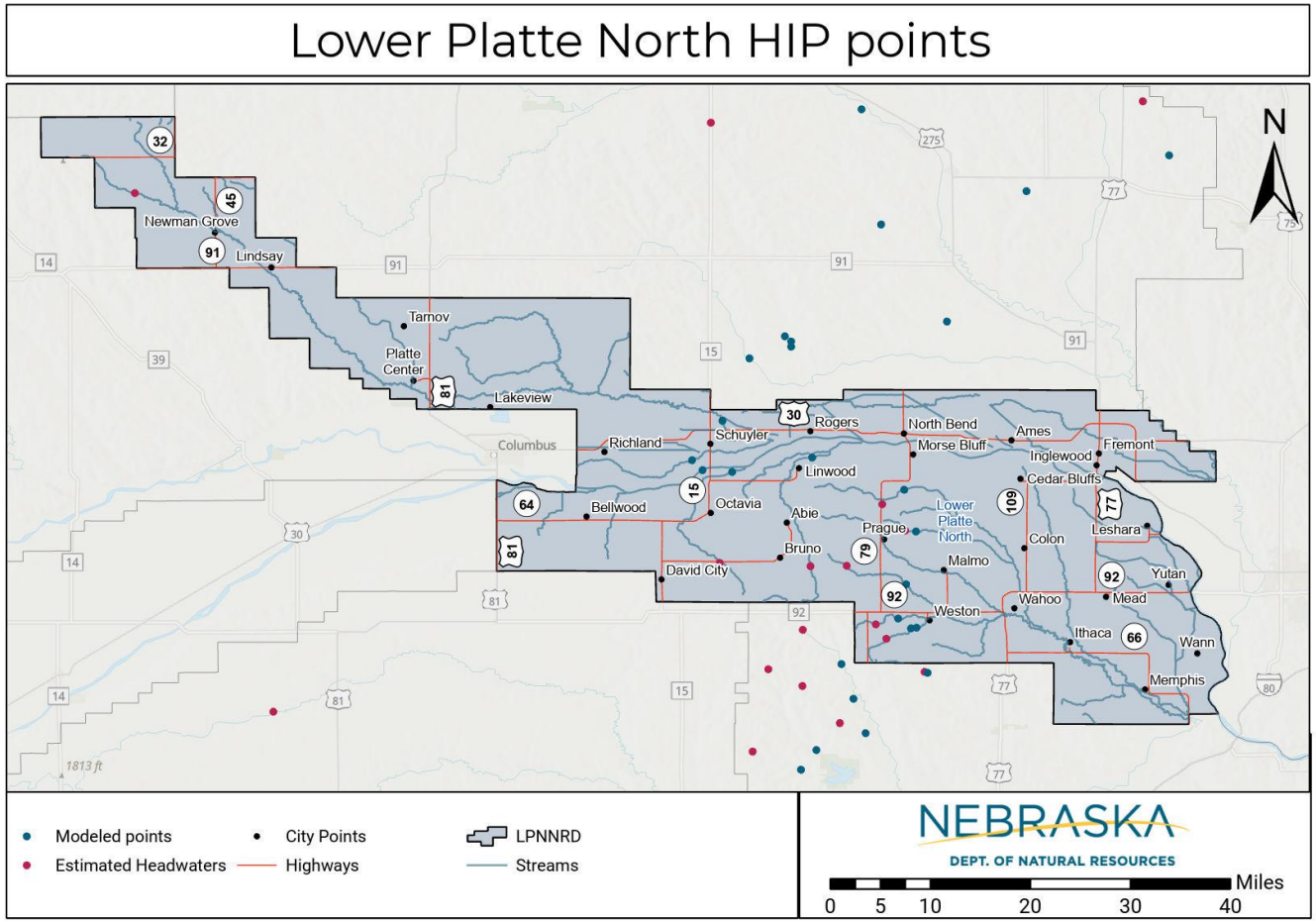
**The estimated water applied is reported by a sub-set of the total voluntary responses. The estimate here represents those who included water use data in their response.*

NEBRASKA
DEPT. OF NATURAL RESOURCES

Hydrologic Investigation Project (HIP)

- Designed to identify GW/SW interaction throughout Eastern Nebraska
- Assist in aligning and verifying actual conditions with the LPMT model
- Recent efforts
  - Installation of streamgages to monitor wet/dry conditions
  - Identification of perennial and intermittent streams to increase the accuracy of the sub-regional modeling streams layer

Hydrologic Investigation Project



NEBRASKA
DEPT. OF NATURAL RESOURCES

NeDNR Surface Water Administration

2023 Surface Water Administration in the Lower Platte Basin					
Date of closure	Date Reopened	Permit Type	Number Affected	Reason for Closure	Reason for Reopening
8/21/2023	9/26/2023	Natural Flow	139	Not enough water for NGPC instream flow right	Water for NGPC instream flow right has been exceeded
8/21/2023	9/26/2023	Storage	31	Not enough water for NGPC instream flow right	Water for NGPC instream flow right has been exceeded
10/4/2023	10/16/2023	Natural Flow	139	Not enough water for NGPC instream flow right	Water for NGPC instream flow right has been exceeded
10/4/2023	10/16/2023	Storage	31	Not enough water for NGPC instream flow right	Water for NGPC instream flow right has been exceeded

NeDNR Groundwater Permitting Actions

Groundwater permits cancelled = 0
Groundwater permits issued = 1 (Pending)

Includes groundwater permits for the following uses:

- Application to Drill Without Regard to Spacing
- Industrial Groundwater Transfers
- Industrial Transfer Notice
- Municipal Groundwater Transfers
- Municipal Notice of Intent
- Permit to Violate Well Spacing
- Permit to Transfer to Adjoining State

Note: the groundwater permit is for well spacing, proposed well is in violation of a well in Lower Elkhorn NRD and has since been dismissed.

Municipal & Industrial Surface Water Uses

- No new surface water applications for municipal or industrial uses were approved during 2023.

NeDNR Surface Water Permitting Actions

- Approved for expedited transfer = 0
- Applications approved = 1
  - Permit is for irrigation, pumps out of Wahoo Creek for a total of 27 acres

NeDNR Surface Water Permitting Actions

Surface Water Appropriations Expired, Cancelled-in-Part or Cancelled-in-Full in 2023 Within the Voluntary IMP Area											
Appropriation Number	Cancel Date	Source	NeDNR Action	Location Diversion or Reservoir	Use	Begin Acres	Cancelled			Estimated Date of Last Use	Basis for NeDNR Action
							Acres	Grant (cfs)	Grant (af)		
A-9116	4/25/2023	Clear Cr.	Cancelled in Full	S8-T16N-R2E	IR	95.0	95.0	1.36	285.0	1980	REL-9860
A-12183	4/25/2023	Platte River	Cancelled in Full	S8-T16N-R2E	IR	92.0	92.0	1.32	277.5	1997	REL-9861
A-15841	4/17/2023	Platte River	Cancelled in Full	S11-T16N-R2E	IR	21.6	21.6	0.31	64.8	Never used	PDNU-9848
A-13534	4/17/2023	Bone Cr.	Cancelled in Full	S33-T16N-R3E	IR	57.5	57.5	0.82	172.5	1996	PDNU-9867
A-7244	3/30/2023	Platte River, Trib to	Cancelled in Full	S21-T17N-R6E	IR	1.0	1.0	0.01	3.0	1977	REL-9851
A-12070	11/27/2023	Platte River	Cancelled in Full	S21-T17N-R7E	IR	15.0	15.0	0.21	45.0	1993	REL-11032
A-12069	3/3/2023	Platte River, Trib to	Cancelled in Full	S21-T17N-R7E	IR	45.1	45.1	0.64	135.3	1993	REL-9868

NeDNR Surface Water Permitting Actions

Surface Water Appropriations Expired, Cancelled-in-Part or Cancelled-in-Full in 2023 Within the Voluntary IMP Area											
Appropriation Number	Cancel Date	Source	NeDNR Action	Location Diversion or Reservoir	Use	Begin Acres	Cancelled			Estimated Date of Last Use	Basis for NeDNR Action
							Acres	Grant (cfs)	Grant (af)		
A-13142	5/4/2023	Cottonwood Cr.	Cancelled in Full	S23-T15N-R6E	IR	29.00	29.00	0.41	87.0	1977	REL-9885
A-13322	3/13/2023	Sand Cr.	Cancelled in Full	S30-T16N-R7E	IR	54.00	54.00	0.77	162.0	1988	REL-9872
A-13945	4/25/2023	Sand Cr.	Cancelled in Full	S32-T16N-R7E	IR	77.60	77.60	1.11	232.8	2018	PDNU-9878
A-8174	1/17/2023	Sand Cr.	Cancelled in Full	S15-T15N-R7E	IR	36.00	36.00	0.26	108.0	1980	REL-9833
A-8528	10/4/2023	Sand Cr.	Cancelled in Full	S34-T15N-R7E	IR	1.50	1.50	0.01	4.5	2008	PDNU-10027
A-14282	5/12/2023	Wahoo Cr.	Cancelled in Full	S20-T14N-R8E	IR	152.70	152.70	2.18	458.1	2018	PDNU-9904
A-16612	3/31/2023	Silver Cr.	Cancelled in Full	S29-T15N-R8E	IR	107.20	107.20	1.53	321.6	Never Used	PDNU-9890 REL-9891

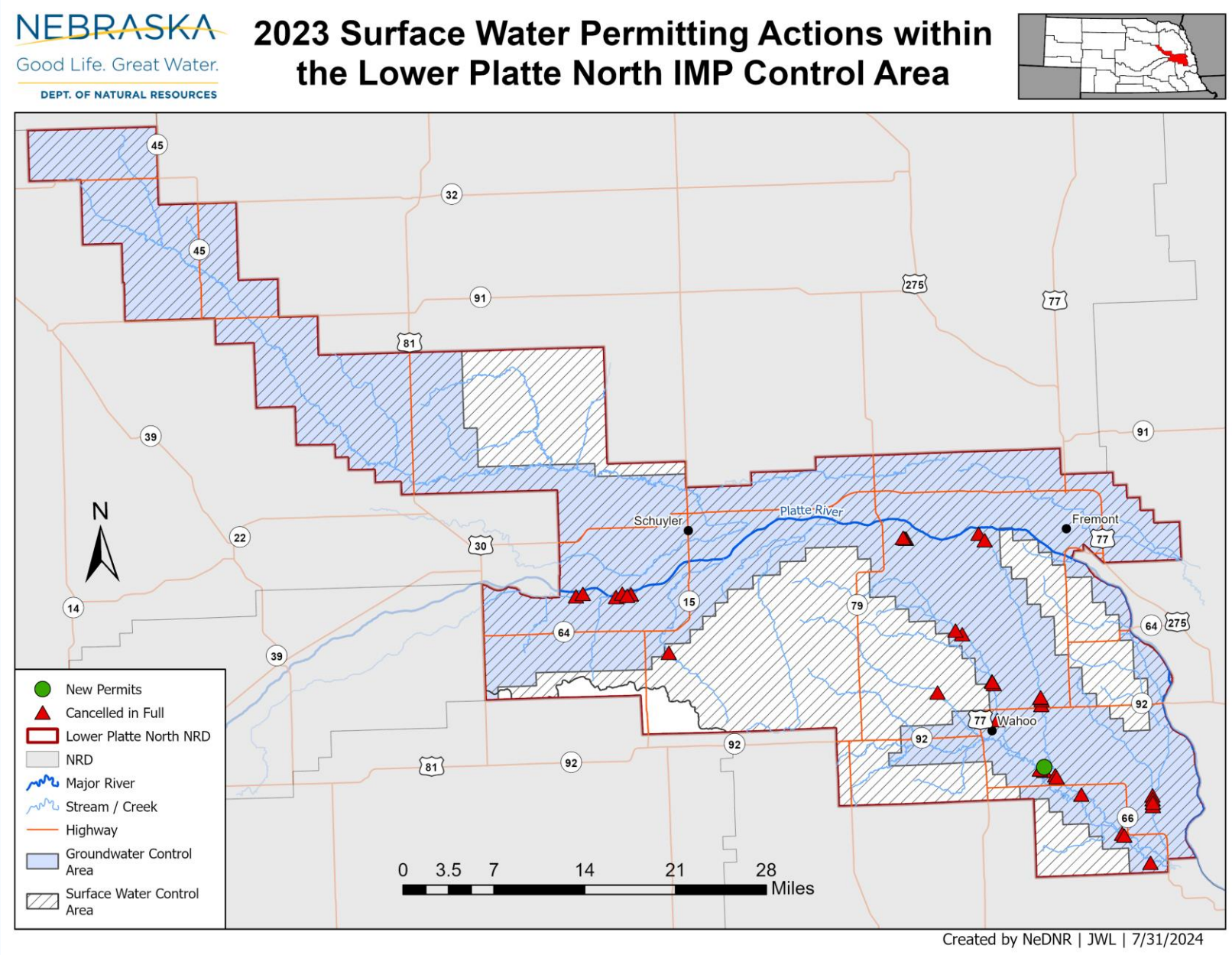
NEBRASKA
DEPT. OF NATURAL RESOURCES

NeDNR Surface Water Permitting Actions

Surface Water Appropriations Expired, Cancelled-in-Part or Cancelled-in-Full in 2023 Within the Voluntary IMP Area											
Appropriation Number	Cancel Date	Source	NeDNR Action	Location Diversion or Reservoir	Use	Begin Acres	Cancelled			Estimated Date of Last Use	Basis for NeDNR Action
							Acres	Grant (cfs)	Grant (af)		
A-5982	3/13/2023	Silver Cr.	Cancelled in Full	S28-T14N-R8E	IR	145.00	145.00	1.40	435.0	2017	PDNU-9829
A-15521	5/12/2023	Silver Cr.	Cancelled in Full	S35-T14N-R8E	IR	80.00	80.00	1.14	240.0	Never Used	PDNU-9905
A-11785	8/31/2023	Wahoo Cr.	Cancelled in Full	S34-T13N-R9E	IR	82.50	82.50	1.18	247.0	2008	PDNU-9829
A-8322	4/24/2023	Silver Cr.	Cancelled in Full	S17-T13N-R9E	IR	22.00	22.00	0.31	66.0	1978	PDNU-10031
A-14657	6/20/2023	Clear Cr.	Cancelled in Full	S35-T14N-R9E	IR	281.90	281.90	4.03	845.7	2018	REL-9933
A-12070*	11/27/2023	Platte River	Cancelled in Part	S21-T17N-R7E	IR	40.0	25.0	36.0	75.0	1994	REL-9951
A-8528*	10/4/2023	Sand Cr.	Cancelled in Part	S34-T15N-R7E	IR	34.8	33.3	24.0	99.9	2008	REL-9889 REL-9975

* A-8528 and A-12070 are also cancelled in full on the same date as the cancelled in part. There are different relinquishment numbers assigned for each action.

MAP OF SURFACE WATER PERMITTING ACTIONS



LPNNRD
Data Collection & Monitoring

IMP includes 14 collection and monitoring activities for the NRD

- NRD Monitoring
  - Irrigated acres expansion
  - Groundwater level measurements
  - Municipal water use
- Other
  - Studies and Planning
  - Education/Outreach Collaborations

LPNNRD
Data Collection and Monitoring

- Groundwater elevation data
  - The following compares Spring 2024 to 2023 with all areas lower in 2024.Districtwide Spring of 2024 was 1.17 feet lower.
    - The Upland area was 2.16 feet lower
    - The Todd Valley area was 1.62 feet lower.
    - The Platte Valley area was 0.58 feet lower.
    - The Shell Creek area was 0.71 feet lower
    - The WANN Basin area was 0.86 feet lower

**Access data from the LPNNRD's 2023 Report for the Lower Platte River Basin-Wide Management Plan—put in a HyperLink*

LPNNRD
Data Collection and Monitoring

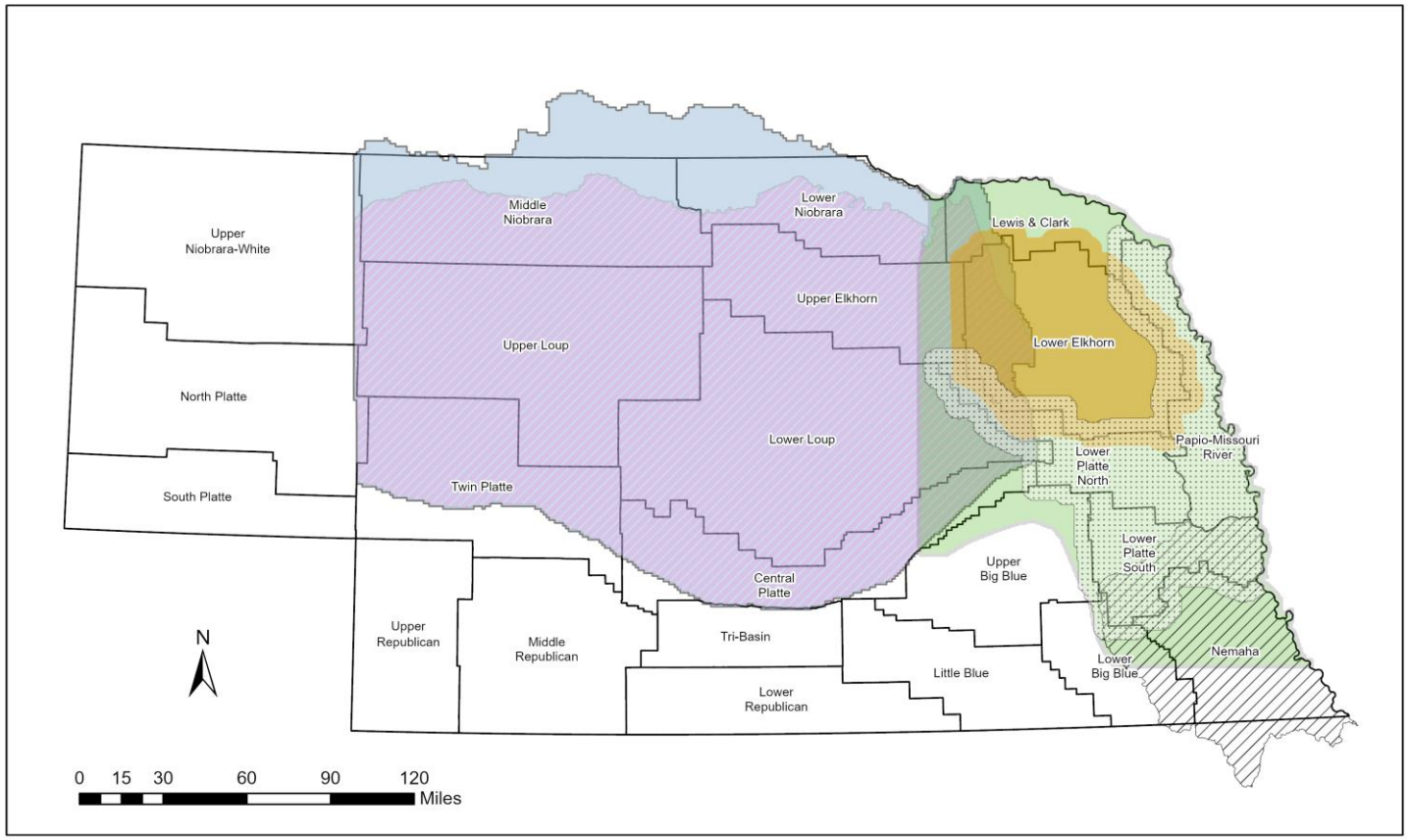
- Flow meter data – 2023
  - 1312 flow meters throughout District
  - 1155 flow meters are on irrigation systems
  - Water Use Information
    - SQS#1 – 4.65 in/ac
    - SQS#2 – 4.59 in/ac.
    - Rest of the District – 5.56 in/ac
- Certified irrigated groundwater acres
  (HCA – Hydrological Connected Area)
  - Total Irrigated - 392,484.47 acres
  - HCA Area – 335,720.95 acres
  - Non-HCA – 56,763.52 acres
- Municipal and industrial groundwater uses
  - Communities are required to report
    - In 2026 communities new water uses might need to considered for consumptive use.
  - Industrial reports are voluntary

LPNNRD
Data Collection and Monitoring

- New groundwater consumptive uses (agricultural, municipal, industrial)
  - Agricultural: 203.76 Acre Feet
    - 1287.14 acres approved for irrigation
  - None for industrial or municipal
    - These are for wells permitted by the NRD
- Transfer of acres for groundwater consumptive uses (agricultural, municipal, industrial)
  - Agricultural - 1.61 Acre Feet
    - Saunders County

Basin-wide Modeling Efforts

Lower Platte Missouri Tributaries Basin Model Coverage



Created by NeDNR | JWL | 22 July 2024

LPMT 3D (District) Model

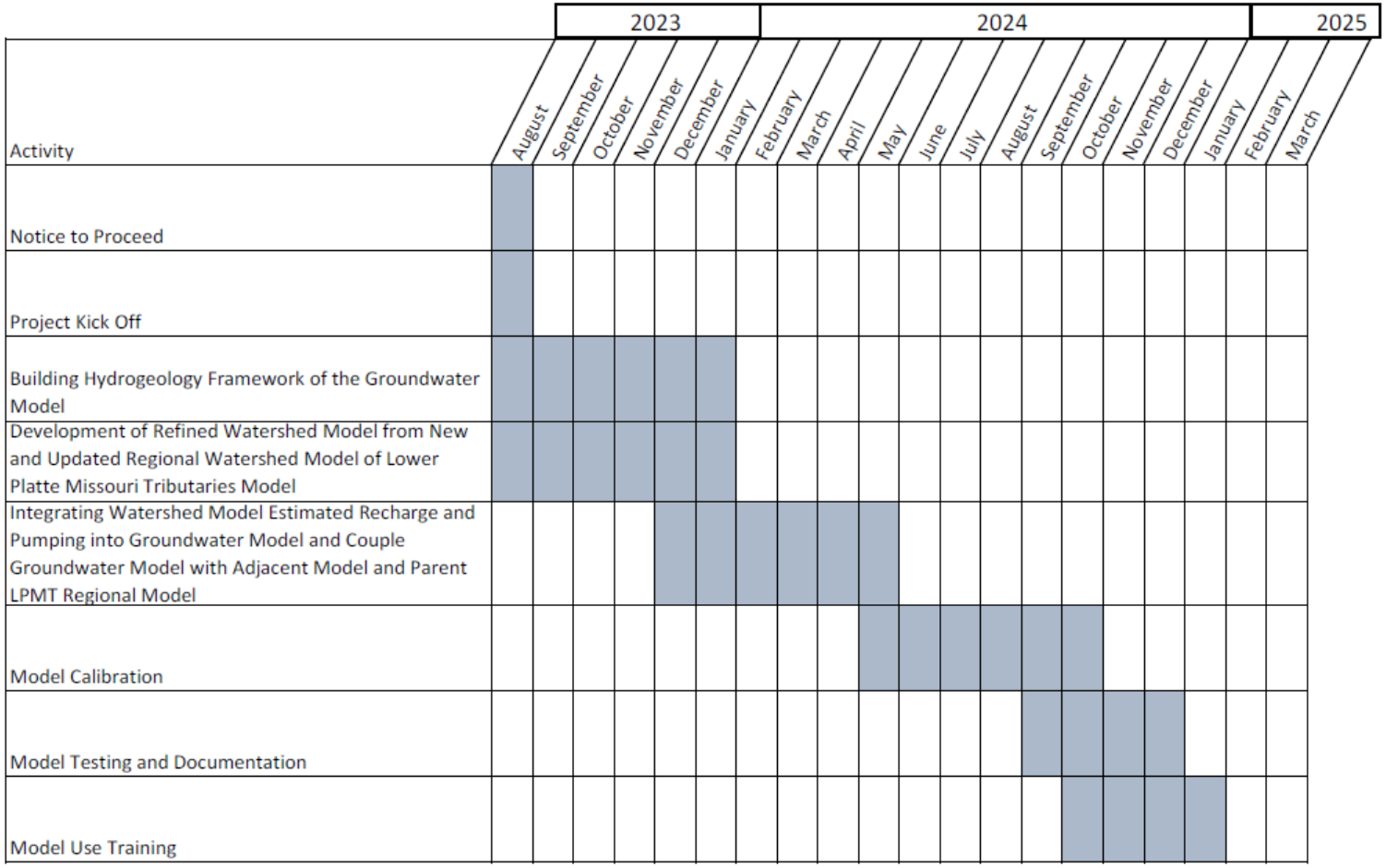
- Currently working on constructing model inputs into sub-regional model (LPMT 3D)
- To be used in Basin wide analysis
- Analysis will include an updated Hydrological Connected Area (HCA) area.
  - Currently called LPN Blue Area
- HCA would be an area that a groundwater well that is constructed in the 10/50 area would deplete river flow by at least 10 percent of the water pumped over a 50-year period.

Modeling Updates
Sub-Regional Model

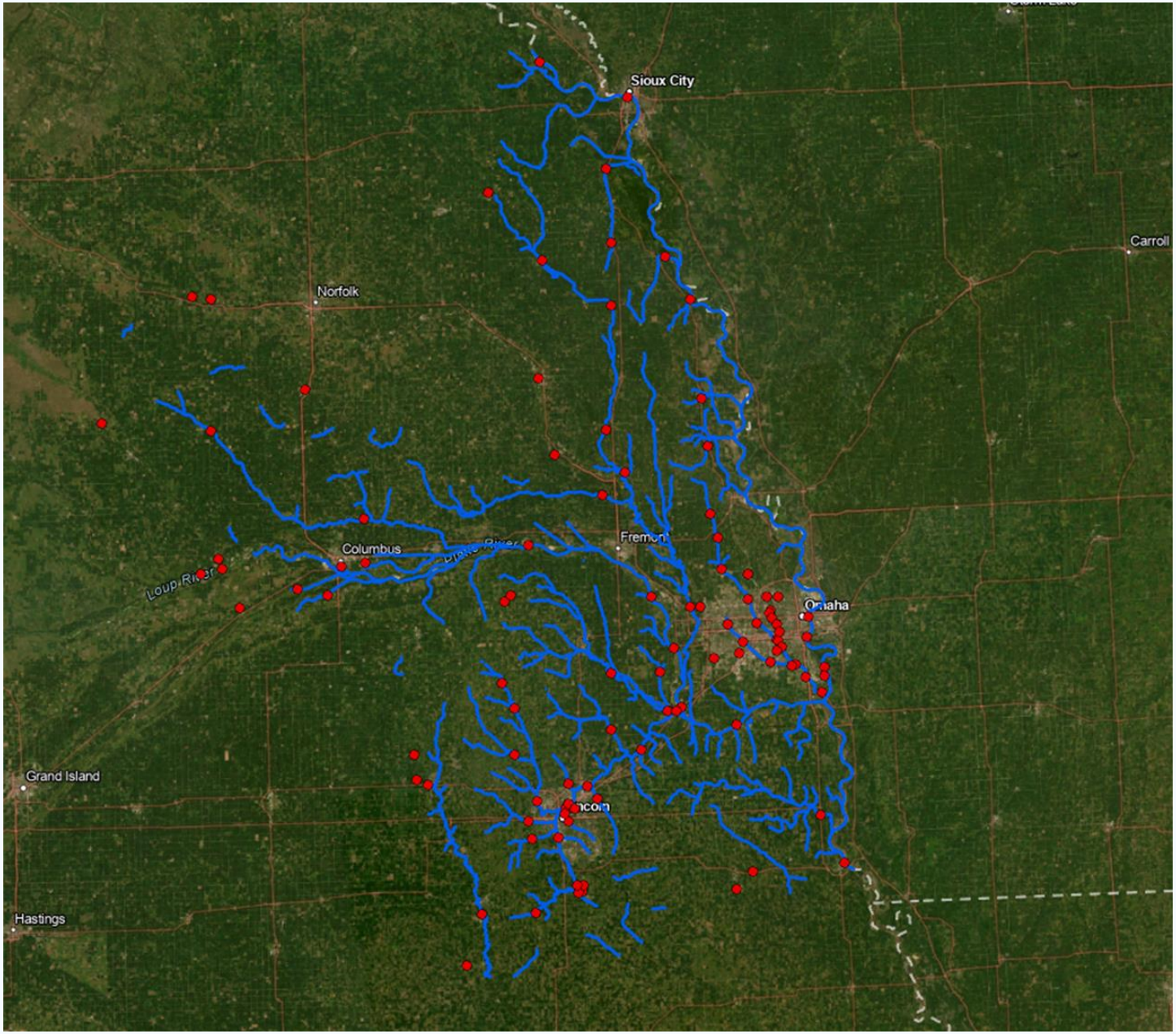
Revised Schedule

LOWER PLATTE RIVER SUB-REGIONAL GROUNDWATER MODELING

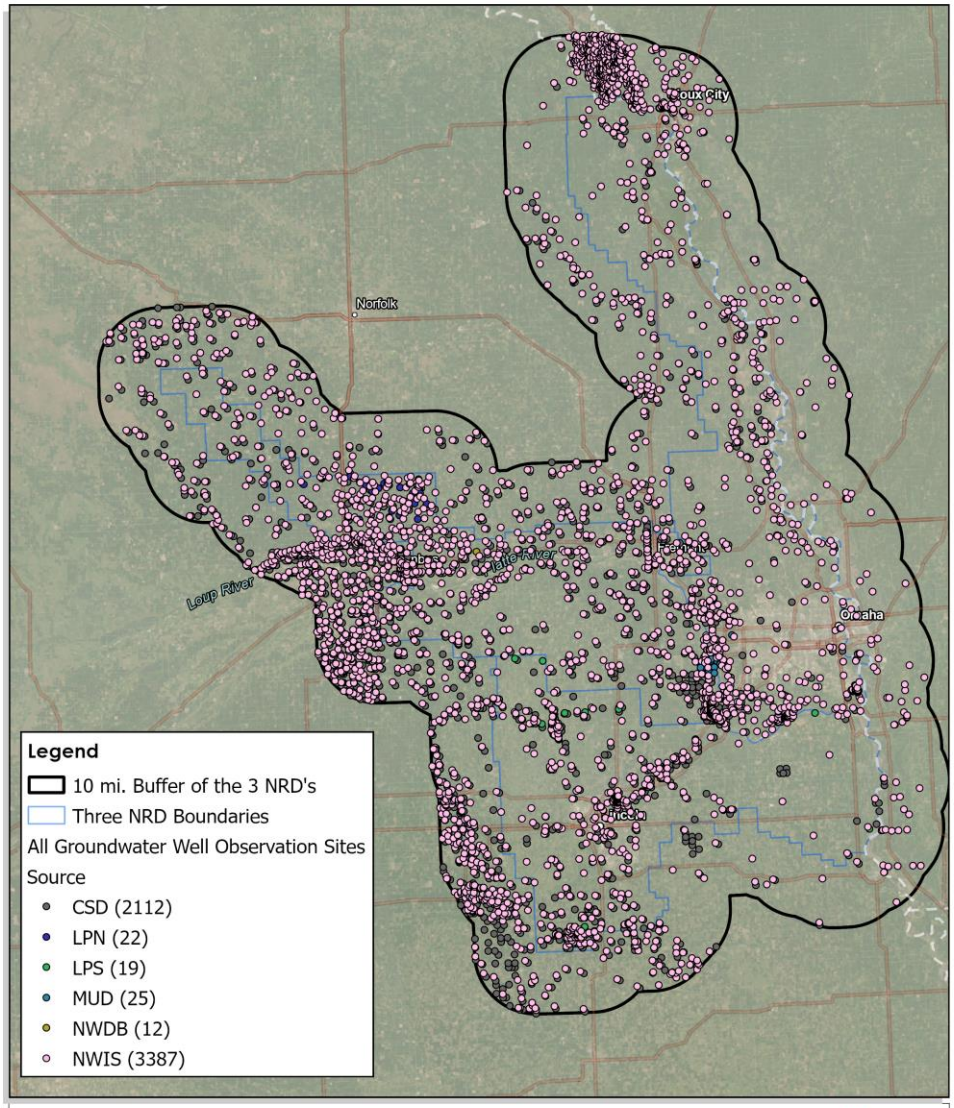
JEO Project No. 221004.00



LPMT 3D STREAMS LAYER

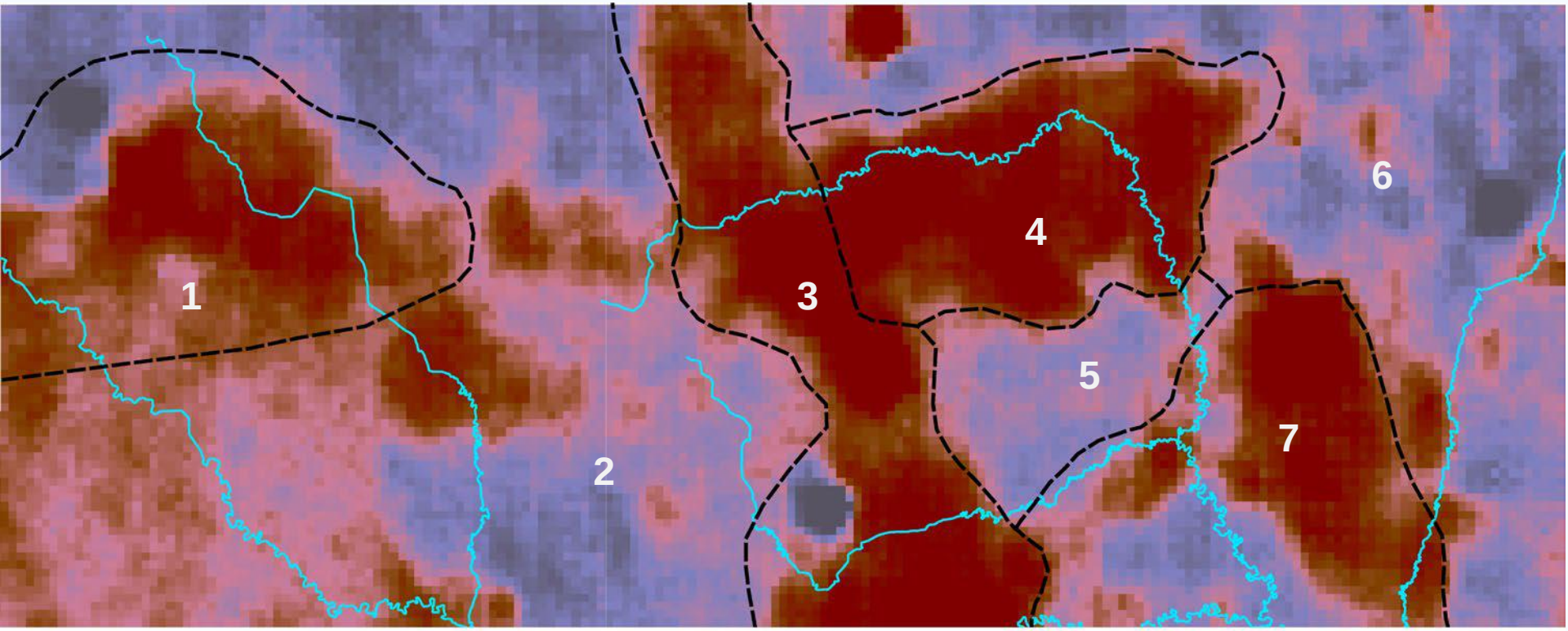


LPMT Groundwater Sites



IMP Modeling Updates

- LPNNRD hydrogeologic framework study with UNL-CSD (SQS # 2)
  - Seven groundwater management zones were developed based on hydrofacies probability and hydrograph characteristics
  - Map is from UNL-CSD published study June 2023



Basin Coalition Plan Implementation

Basin-Wide Activities

LPNNRD and NeDNR participate in the Lower Platte River Basin Coalition (LPRBC)

- Managers' and Technical Team meetings
- Annual reporting (see next slide)
- Annual Reporting Database
  - Tool to report and store annual water use data
- Lower Platte Missouri Tributaries Model
  - Tool to analyze aquifer-stream interactions

Estimated Stream Depletions

New Depletions Accounting

Lower Platte River Basin 2022-2023

2022 and 2023 Estimated Stream Depletions and Accretions Summary										
NRD	2022				2023				Net Total Depletions	
	Depletions		Accretions		Depletions		Accretions			
	Peak	Non-Peak	Peak	Non-Peak	Peak	Non-Peak	Peak	Non-Peak	Peak	Non-Peak
Lower Elkhorn	0	0	10	0	0	0	38.02	0	28.0	0
Lower Loup	145.97	17.4	83.87	9.5	46.1	0	19.2	0	127.4	7.9
Lower Platte North	0	0	0	0	14	0	0	0	14.0	0
Lower Platte South	39.2	10	20	10	0	0	0	50	19.2	-50
Papio-Missouri River	0	18	0	0	0	0	0	0	0.0	18
Upper Elkhorn	0	0	0	0	0	30.9	0	0	0.0	30.9
Upper Loup	0	0	0	0	0	0	0	0	0.0	0
Basin Total	185	45	114	20	60	31	57	50	189	7

DEPLETIONS PERCENTAGES

BASIN WIDE AND LPNNRD

NRD	Total New Peak Season Depletions	Remaining 5-YR Allowable Depletion (AF)	Combined Percent of Allowable	Percent of Remaining 5-YR Allowable Depletion
Upper Loup NRD	39.5	5354.0	0.7%	99.3%
Lower Loup NRD	15.2	11913.5	0.1%	99.9%
Upper Elkhorn NRD	0.3	2927.0	0.0%	100.0%
Lower Elkhorn NRD	267.9	8088.1	3.2%	96.8%
Papio-Missouri River NRD	88.5	1722.9	4.9%	95.1%
Lower Platte South NRD	-0.9	2066.5	0.0%	100.0%
Lower Platte North NRD	219.4	3571.4	5.8%	94.2%
TOTALS	**630**	**35,643**	**1.7%**	**98%**

Education & Outreach Activities

NeDNR
- State Fair
- Husker Harvest Days

LPNNRD
- Nitrogen Certification Classes
- School Presentations

Joint Activities
- Spring Conservation Educational Event

Actions and Goals

Jointly Identified Actions for Next Two Years

- Cooperate on efforts to increase sources of available surface & groundwater data
- Participate in basin-wide and regional planning efforts such as ENWRA, the Lower Platte River Consortium (drought planning), and Lower Platte River Basin Coalition (LPRBC)
- Participate in education and outreach events
- Update the LPNNRD plan to work together with the Basinwide Plan
- Finish the LPMT-3D Model for inclusion in the 5-year BWP update

Questions?

Thank You!

Daryl Andersen
Water Resources Manager
dandersen@lpnnrd.org

LOWER PLATTE NORTH
Natural Resources District

Tyler Martin
IWM Coordinator
tyler.martin@nebraska.gov

NEBRASKA
Good Life. Great Water.
DEPT. OF NATURAL RESOURCES

Road G
Road G
Road G
County Road 1
County Road 1
County Road 2
County Road 2
County Road 1
County Road 1
County Road 2
County Road 2
Road F
Road F

Road G
Road G
Road G
County Road 1
County Road 1
County Road 2
County Road 2
County Road 1
County Road 1
County Road 2
County Road 2
Road F
Road F

County Road 30
County Road 30
Linwood Rd.
Linwood Rd.
Linwood Rd.

Date: 7/24/2024

Conservation Plan Map

Client(s): EUGENE WALLA
Location: Sec. 21-17-5E
Saunders County, Nebraska
Approximate Acres: 7.28

Assisted By: Elison Sanders
WAHOO SERVICE CENTER
LOWER PLATTE NORTH NATURAL RESOURCES DISTRICT

Prepared with assistance from USDA-Natural Resources Conservation Service

0 376 Feet

Conservation Practice Polygons
- Prescribed Burning (338)
- Access Control (472)
- Forage Harvest Management (511)
- Upland Wildlife Habitat Management (645)
- Early Successional Habitat Development/Management (647)
- Prescribed Grazing (528)
- Herbaceous Weed Treatment (315)
- Wildlife Habitat Planting (420)
- Practice Schedule PLUs

USDA

USDA is an equal opportunity provider, employer, and lender

CONNECTING WATER TO LIFE

August 21, 2024
Invoice No: 27392

Invoice Total: $10,702.75

Daryl Andersen
Lower Platte North NRD
511 Commercial Park Road
Wahoo, NE 68066-0126

Please Remit To:
LRE Water
1221 Auraria Pkwy
Denver, CO 80204
(303) 455-9589
billing@LREwater.com

Invoice Email: dandersen@lpnnrd.org
Project No.: 5036LPN04
Project Name: LPNNRD Nitrate Assessment Project

Professional Services through July 25, 2024

Task 01 Risk Tool Expansion

Professional Personnel

	Hours	Rate	Amount	
Bauer, Jacob	2.50	225.00	562.50	
Carter, Will	11.25	208.00	2,340.00	
Close, Kelly	11.00	250.00	2,750.00	
Mohr, Jonathan	3.00	195.00	585.00	
Sopiwnik, Roscoe	2.25	200.00	450.00	
Totals	30.00		6,687.50	
Total Labor				**$6,687.50**
		Total this Task		**$6,687.50**

Task 02 USC Groundwater Model

Professional Personnel

	Hours	Rate	Amount	
Bauer, Jacob	8.00	225.00	1,800.00	
Mohr, Jonathan	2.00	195.00	390.00	
Stokes, Scott	12.25	149.00	1,825.25	
Totals	22.25		4,015.25	
Total Labor				**$4,015.25**
		Total this Task		**$4,015.25**
		Total this Invoice		**$10,702.75**

Outstanding Invoices

Number	Date	Balance
27048	7/16/2024	7,802.50
Total		**$7,802.50**

Total Now Due	**$18,505.25**

GOALS AND OBJECTIVES

1.1 GROUNDWATER MANAGEMENT GOALS AND OBJECTIVES

The primary management target, defined below in the Vision Statement, is to maintain the 'groundwater reservoir life goal' – defined within the rules and regulations as the period of time which the District establishes as its goal for maintenance of the supply and quality of water in a groundwater reservoir. The goals and objectives are intended to guide water resource management decision making.

LPNNRD Groundwater Management Vision Statement

Strive for the continuous management of the groundwater reservoir, in perpetuity, to ensure it meets the standards appropriate for its various uses, including domestic, livestock, public water supply, irrigation, agriculture, wildlife, industrial, and other beneficial uses. Minimizing, as much as possible, the adverse impact of these uses on the quantity and quality of groundwater that supports lakes, wetlands, and streams.

By implementing the five goals and objectives, the LPNNRD can ensure groundwater remains a reliable resource while protecting the ecosystems that depend on it. Goal categories include monitoring, pollution prevention, conservation, public education, and sustainable management plans and regulations.

Goal 1 – To continuously monitor and assess groundwater levels and quality to detect changes early.

- **Objective 1.1** - The effort to monitor and sample water quality will be continued and expanded as necessary focusing on wells with known screened interval data.
- **Objective 1.2** – Integrate scientific advances and research into plans and regulations.
- **Objective 1.3** – Repeat annual NRD-wide cooperative sampling to help understand nonpoint source contamination.
- **Objective 1.4** – Collaborate with various partners to review and expand the monitoring network.
- **Objective 1.5** – Maintain and steadily expand the spring/fall water energy level monitoring network.
- **Objective 1.6 –** Explore opportunities to obtain real-time water use and aquifer level data.
- **Objective 1.7 –** Continue expansion of the dedicated monitoring well network, for both quantity and quality purposes, at critical locations in the District.

Goal 2 – To reduce the potential for pollution to ensure a sustainable supply of high-quality, consumable, and safe groundwater for all users in the NRD.

- **Objective 2.1 –** Utilize available studies and tools to gain a stronger understanding of groundwater flow and contamination movement.
- **Objective 2.2** - Obtain and assess data that supports sustainable development decisions.
- **Objective 2.3** – Explore efforts for cost share programs that promote reduction of pollutants to the aquifer.

DRAFT

- **Objective 2.4** – Offer cost share for well decommissioning.
- **Objective 2.5** – Promote cutting-edge technologies to improve application efficiencies as nitrate-reducing tools.
- **Objective 2.6** – Proactively manage Phase Areas where vulnerable aquifers or excessive nitrate exist and recognize the importance of reducing nitrogen leaching to aquifers that provide public water supplies.

Goal 3 – The LPNNRD will continue to encourage the use of highly-efficient water conservation management practices intended to maintain water levels.

- **Objective 3.1** – Utilize hydrogeologic and modeling data to assess the impacts of new uses and understand the response of water levels to drought or reduced precipitation trends.
- **Objective 3.2** – Promote efficient irrigation and farming practices to improve soil health, reduce erosion, and enhance water retention and recharge.
- **Objective 3.3** – Connect property owners to existing conservation programs that benefit water quality and quantity.
- **Objective 3.4 –** Create a strategy for managing water declines and supporting communities during severe droughts.
- **Objective 3.5** – Continue management of Control Areas where thin or limited aquifers exist and recognize the importance of conjunctive management of hydrologically connected areas.

Goal 4 – Continue to be a resource for outreach and education of youth and adults emphasizing the importance of ensuring sustainable water resources remain available.

- **Objective 4.1** – Involve stakeholders in the review process to gather diverse perspectives and needs.
- **Objective 4.2** – Expand public education programs to raise awareness about water quality issues and encourage water conservation measures.
- **Objective 4.3** – Utilize hydrogeologic data and studies to provide an opportunity for one-on-one education.
- **Objective 4.4** – Participate in natural resources workshops, county fairs, camps, workshops, and classroom presentations.
- **Objective 4.5** – Demonstrate cutting-edge technologies for water and fertilizer management.
- **Objective 4.6 -** Provide information and education through news articles, social media, newsletters, brochures, and the website.
- **Objective 4.7 –** Create a web-based graphic user interface to allow users to obtain and view hydrogeologic data and other relevant maps and information.

Goal 5 – To develop and enforce rules and regulations and plans that balance usage with natural replenishment rates and reduce contamination.

- **Objective 5.1** – Regularly update the Groundwater Management Plan and Rules and Regulations to meet changing water uses, emerging contaminants, and integration of the latest policies.
- **Objective 5.2** – Align the regulations with new state and federal policies to ensure compliance and leverage available resources.

DRAFT

- **Objective 5.3 –** Implement an adaptive management approach that allows for flexibility and adjustment based on monitoring results and changing conditions.
- **Objective 5.4** – Continue active participation in Lower Platte River Basin integrated and drought management plans and implementation.
- **Objective 5.5** – Encourage community participation in NDEE's Wellhead Protection Program.
- **Objective 5.6** – Utilize the hydrogeological based subareas to manage Control Areas, and as the basis for defining study areas for potential Phase Areas.
- **Objective 5.7** – Regularly review and update the Integrated Management Plan to balance water uses and ensure sustainable water management, including maintaining instream flows.
- **Objective 5.8 –** Support and conduct special studies, research, and data gathering activities.

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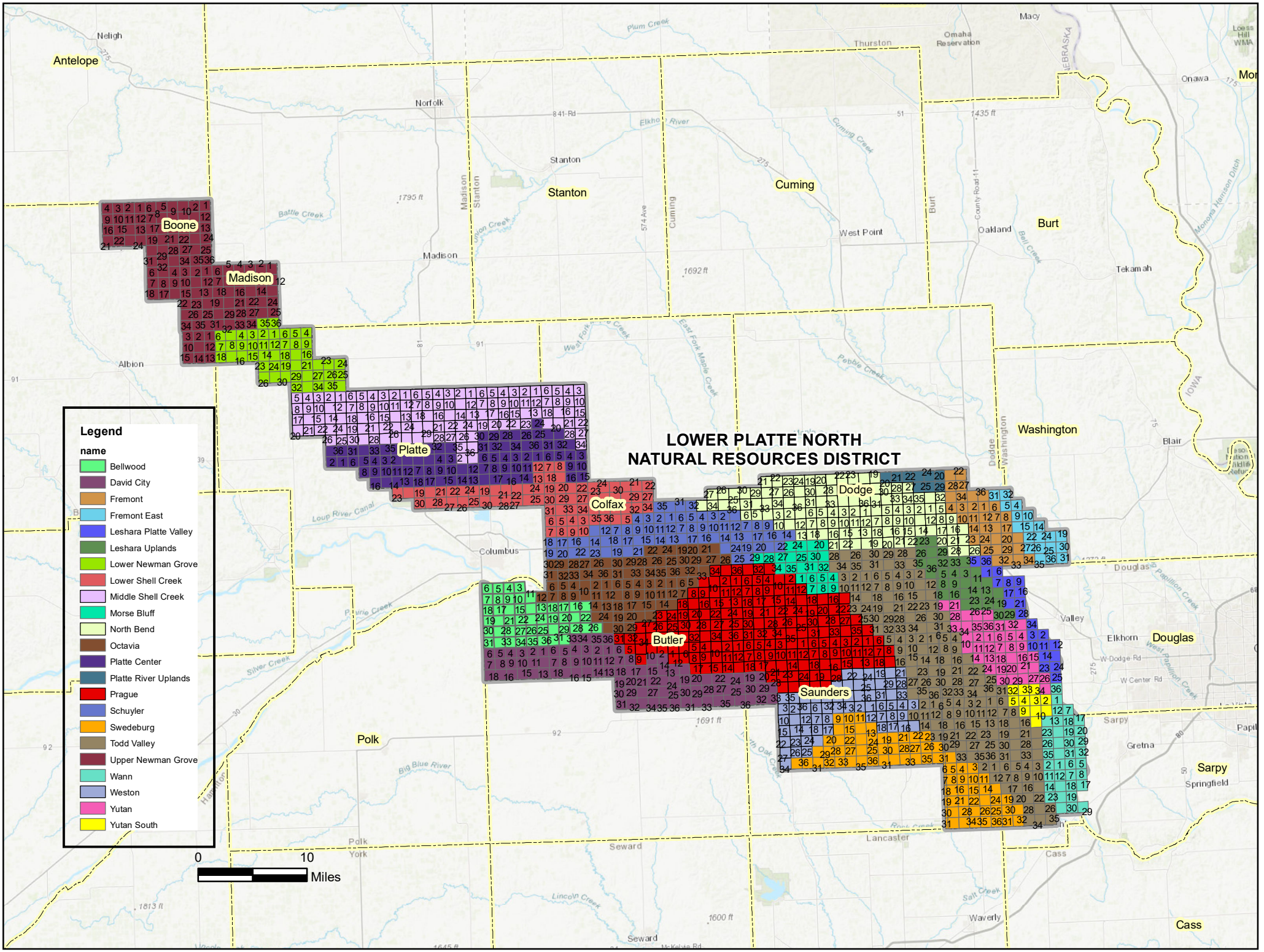
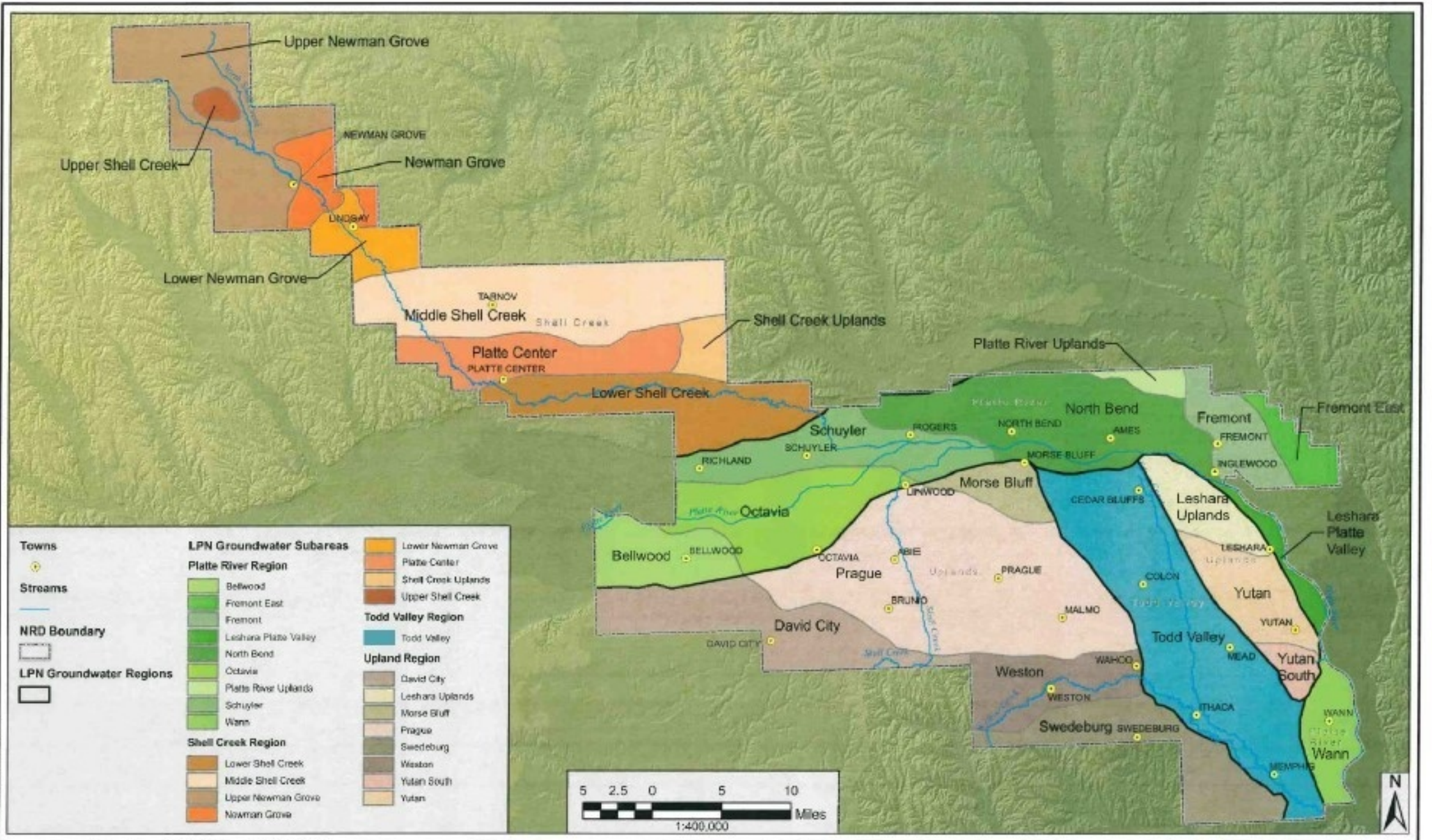

LOWER PLATTE NORTH
NATURAL RESOURCES DISTRICT
Legend
name
Bellwood
David City
Fremont
Fremont East
Leshara Platte Valley
Leshara Uplands
Lower Newman Grove
Lower Shell Creek
Middle Shell Creek
Morse Bluff
North Bend
Octavia
Platte Center
Platte River Uplands
Prague
Schuyler
Swedeburg
Todd Valley
Upper Newman Grove
Wann
Weston
Yutan
Yutan South
0
10
Miles
Antelope
Boone
Madison
Platte
Colfax
Dodge
Butler
Saunders
Polk
Stanton
Cuming
Burt
Washington
Douglas
Sarpy
Cass
Lancaster
Seward
York
Neligh
Norfolk
Albion
Columbus
West Point
Oakland
Tekamah
Blair
Valley
Elkhorn
Gretna
Springfield
Waverly
Omaha Reservation
Thurston
Macy
Onawa
Plum Creek
Elkhorn River
Battle Creek
Union Creek
Cuming Creek
Monona Harrison Ditch
Loup River Canal
Prairie Creek
Silver Creek
Big Blue River
Lincoln Creek
Salt Creek
Pebble Creek
Papillion Creek
West Papillion Creek
Bell Creek
Rock Creek
1795 ft
1692 ft
1691 ft
1600 ft
1435 ft
1813 ft
841-Rd
574 Ave
County Road 11
W Dodge Rd
W Center Rd
McKelvie Rd



PROJECT: 007-0427
DRAWN BY: RD
Date: 3/2/2009

Source: Towns, 1995, CSD; Streams, 2007, CSD; NRD Boundary, 2007, CSD; Elevation, 1998, USGS; Range-Township, 1996, CSD

GROUNDWATER MANAGEMENT REGIONS AND SUBAREAS
Lower Platte North Natural Resources District

OLSSON ASSOCIATES

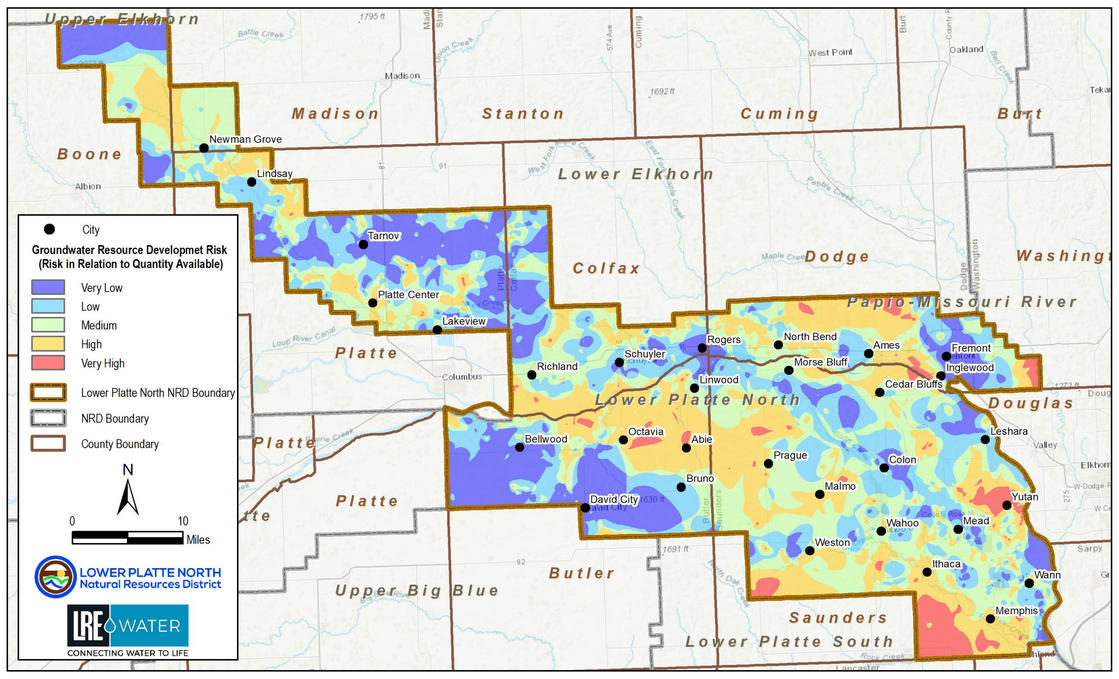
FIGURE 1.1

LOWER PLATTE NORTH
Natural Resources District

GROUNDWATER MANAGEMENT PLAN UPDATE - 2024

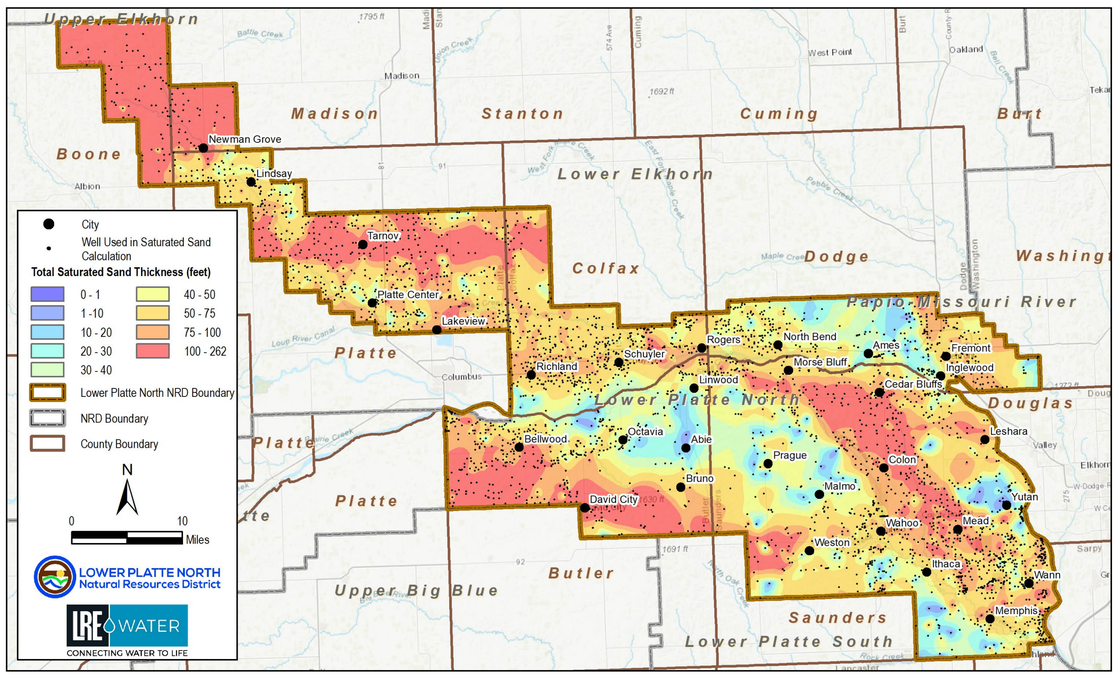
HYDROGEOLOGIC DATA, MONITORING, AND NITRATE CONCENTRATIONS

GROUNDWATER RESOURCE DEVELOPMENT RISK



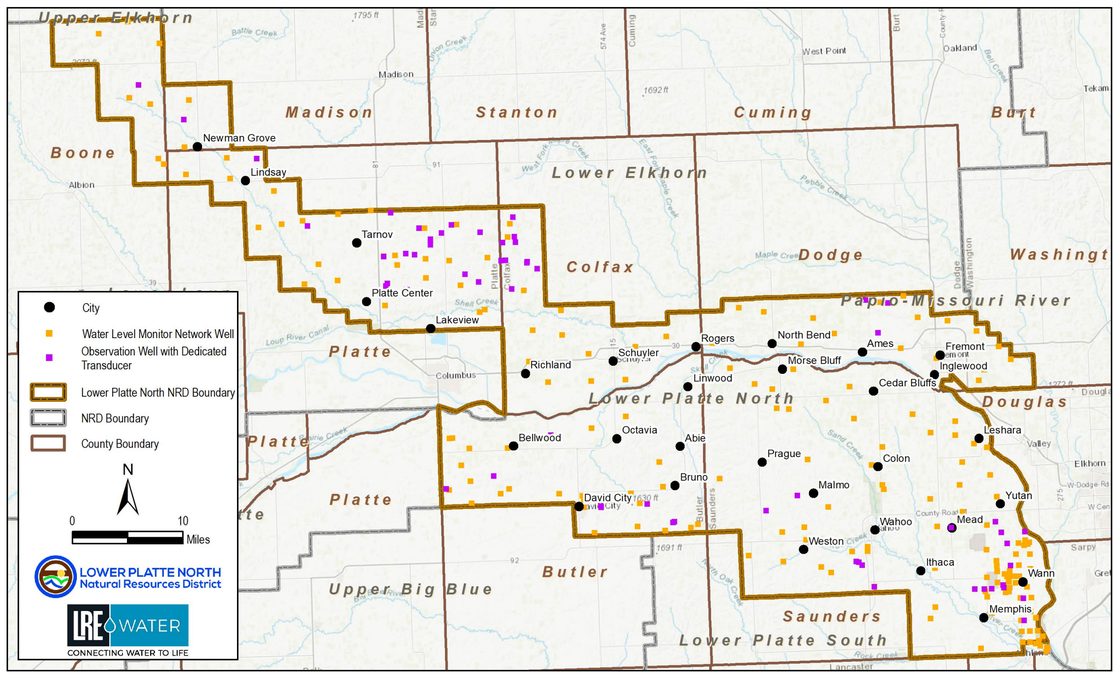
- Illustrates risk of irrigation development based upon geologic data.
- Built using Transmissivity (T) and Total Saturated Sand Thickness and incorporated into ESRI ModelBuilder, each weighted at 50%.
- The layer was created in 2023 as part of the Hydrogeologic Framework.

SATURATED SAND & GRAVEL THICKNESS



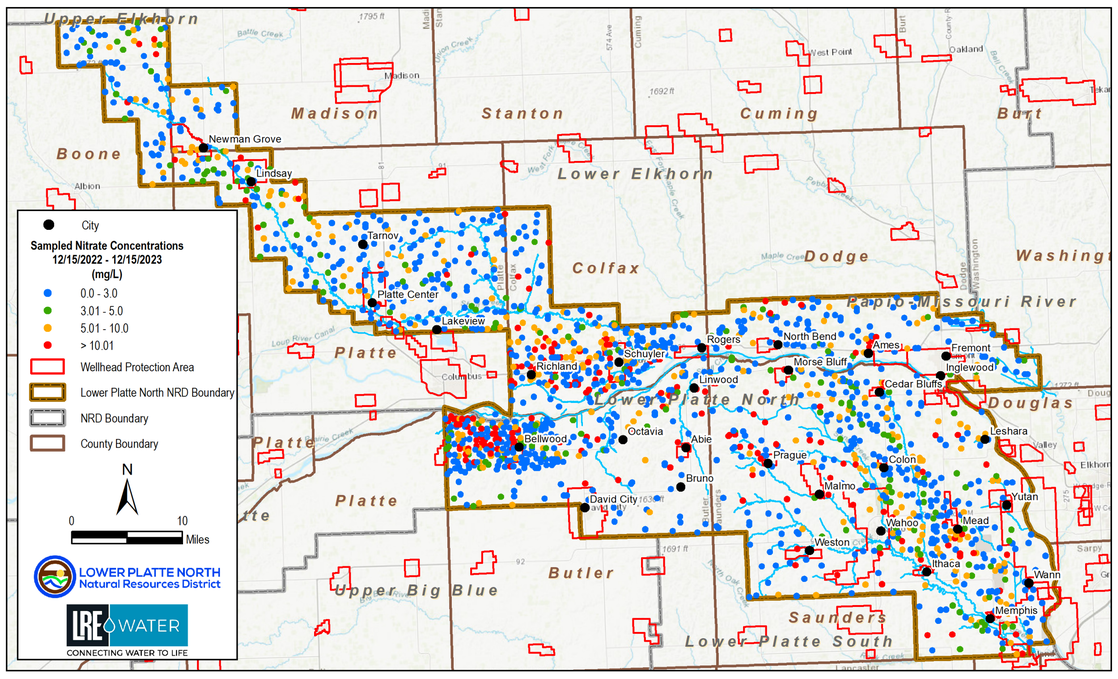
- Total saturated sand/gravel thickness water determined by reviewing all available well logs that encountered bedrock.
- All unconsolidated sand layers below the install or interpolated water level were considered saturated.
- Saturated clay is not included in this dataset.

EXISTING OBSERVATION NETWORK



- LPNNRD has 215 irrigation wells that are measured in the spring and fall.
- Another 62 wells have dedicated logging equipment with telemetry, allowing staff to see water levels in real time.
- Water level data is critical to supporting water management decisions.

NITRATES & WELLHEAD PROTECTION AREAS



- The primary water quality concern district-wide is nitrate contamination.
- The Maximum Contaminant Level (MCL) is 10 mg/L or parts per million.
- Annually collected nitrate data is used to determine if additional actions are necessary to reduce nitrate infiltration through ‘phase areas’.

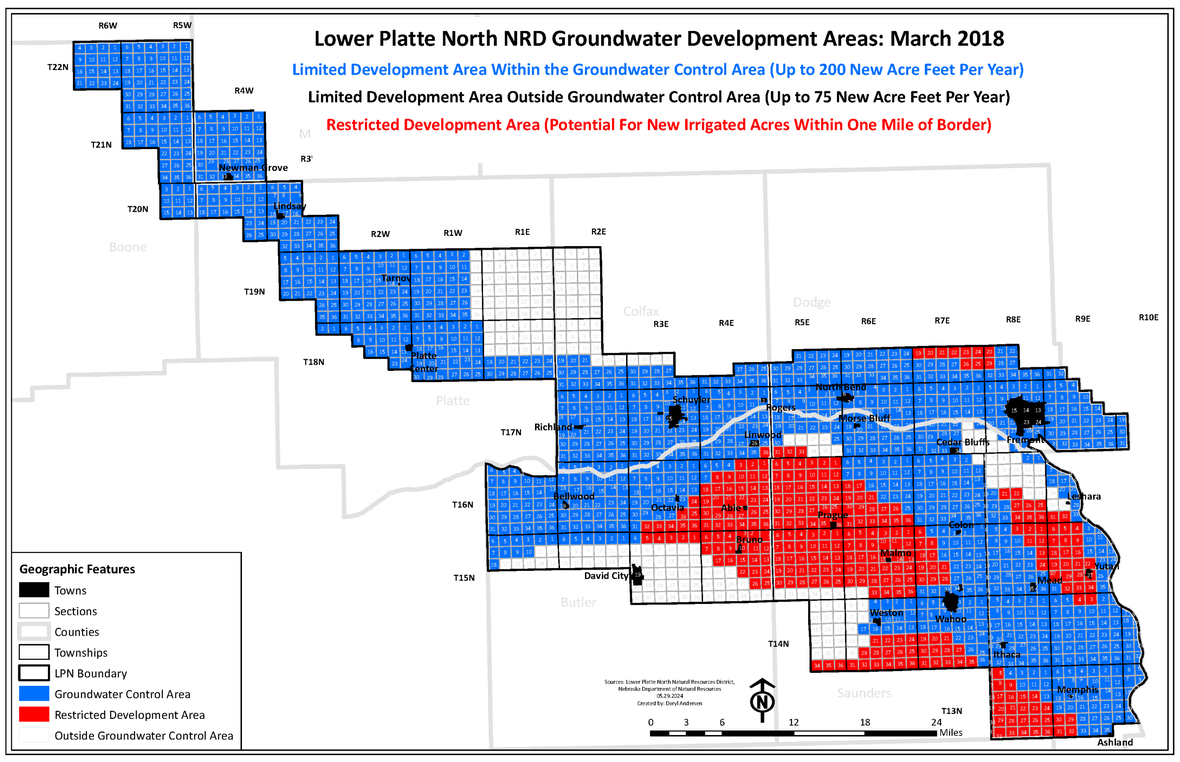
LRE WATER
CONNECTING WATER TO LIFE

LOWER PLATTE NORTH
Natural Resources District

GROUNDWATER MANAGEMENT PLAN UPDATE - 2024

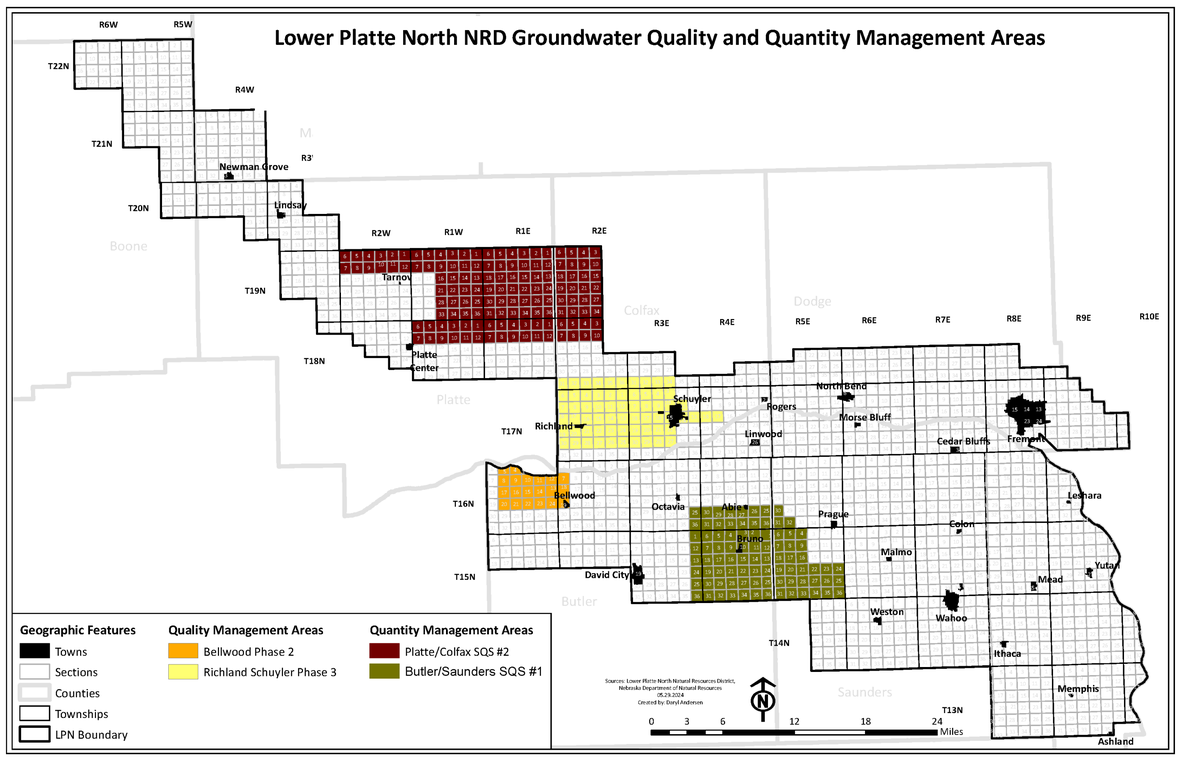
MANAGEMENT POLICIES & PRACTICES

INTEGRATED MANAGEMENT - DEVELOPMENT AREAS



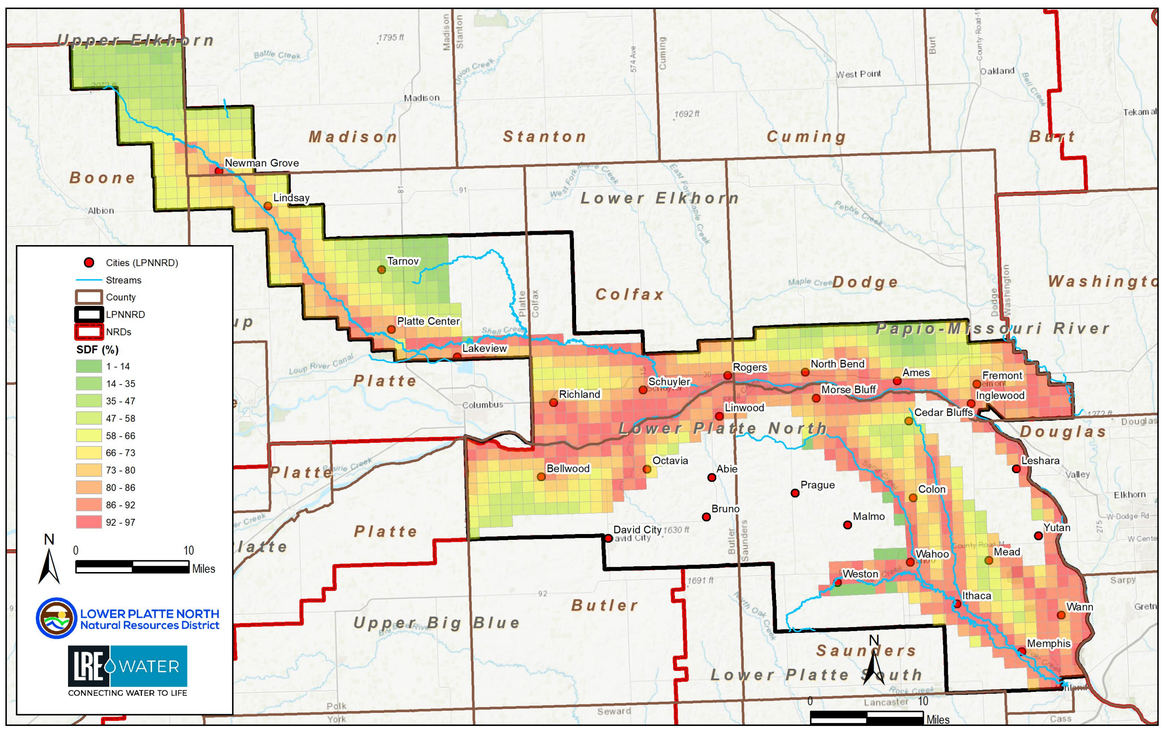
- Based upon the joint Voluntary Integrated Management Plan.
- Places limits on new water consumption for groundwater and surface water.
- New depletions are managed through the Lower Platte River Basin Water Management Plan.

GROUNDWATER MANAGEMENT AREAS



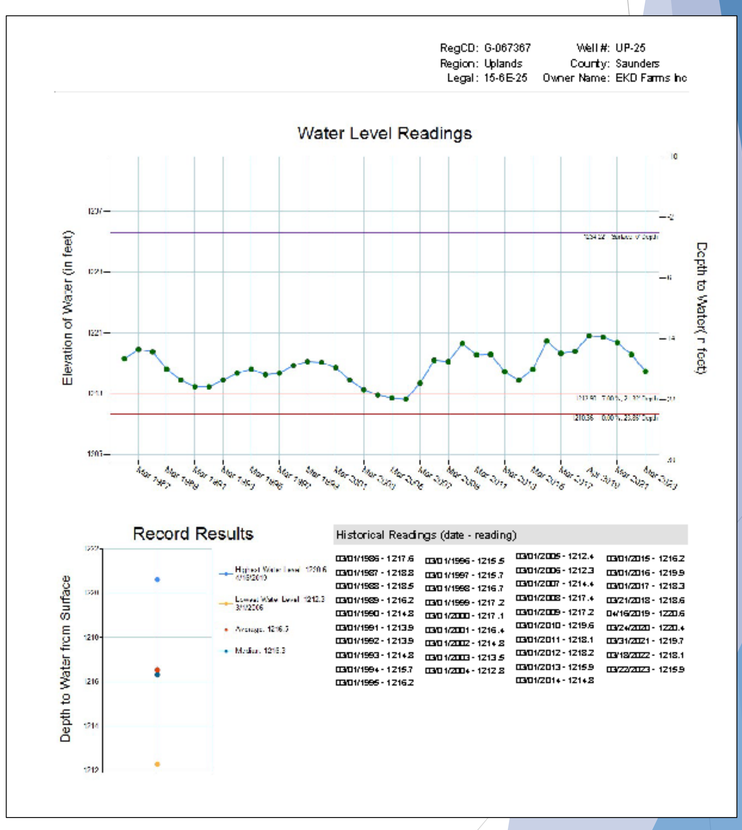
- Based upon LPNNRD's Rules & Regulations (Updated: June 15, 2018).
- Water quality area (Phases) triggered by nitrate contamination.
- Water quantity (Special Quantity Subareas) triggered by groundwater issues.

HYDROLOGICALLY CONNECTED AREAS



- Hydrologically Connected Areas (HCAs) were established by the Nebraska Department of Natural Resources (NeDNR).
- HCAs are managed by the Groundwater Control Area shown above in blue.
- These are areas where groundwater and surface water resources are directly connected and may have an impact on each other.

WATER LEVEL HYDROGRAPHS



- Each spring, LPNNRD staff record water levels in 215 irrigation wells.
- This data is used to evaluate trends in water levels and supports decisions on water management.
- The LPNNRD is conducting a review of the water level monitoring program as part of the GWMP update.

LRE WATER
CONNECTING WATER TO LIFE

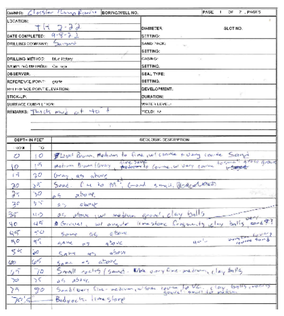
LOWER PLATTE NORTH
Natural Resources District

GROUNDWATER MANAGEMENT PLAN UPDATE - 2024

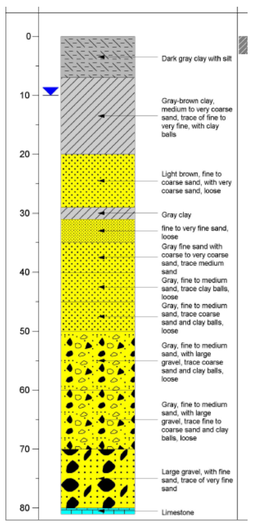
SUPPORTING DATA SOURCES

GEOLOGIC DATA COLLECTION

DRILLING



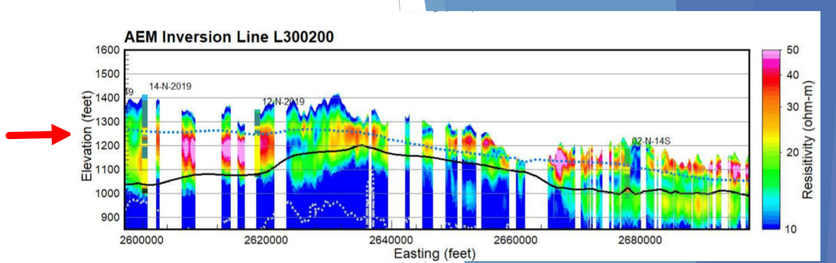
LOGGING



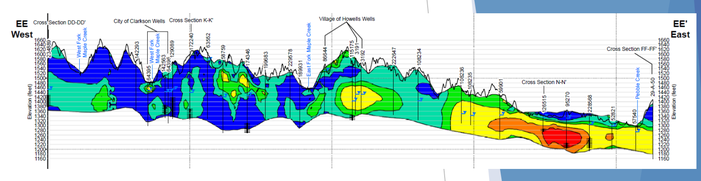
BOREHOLE DESCRIPTION

AIRBORNE ELECTROMAGNETIC (AEM) SURVEY

FLIGHTS

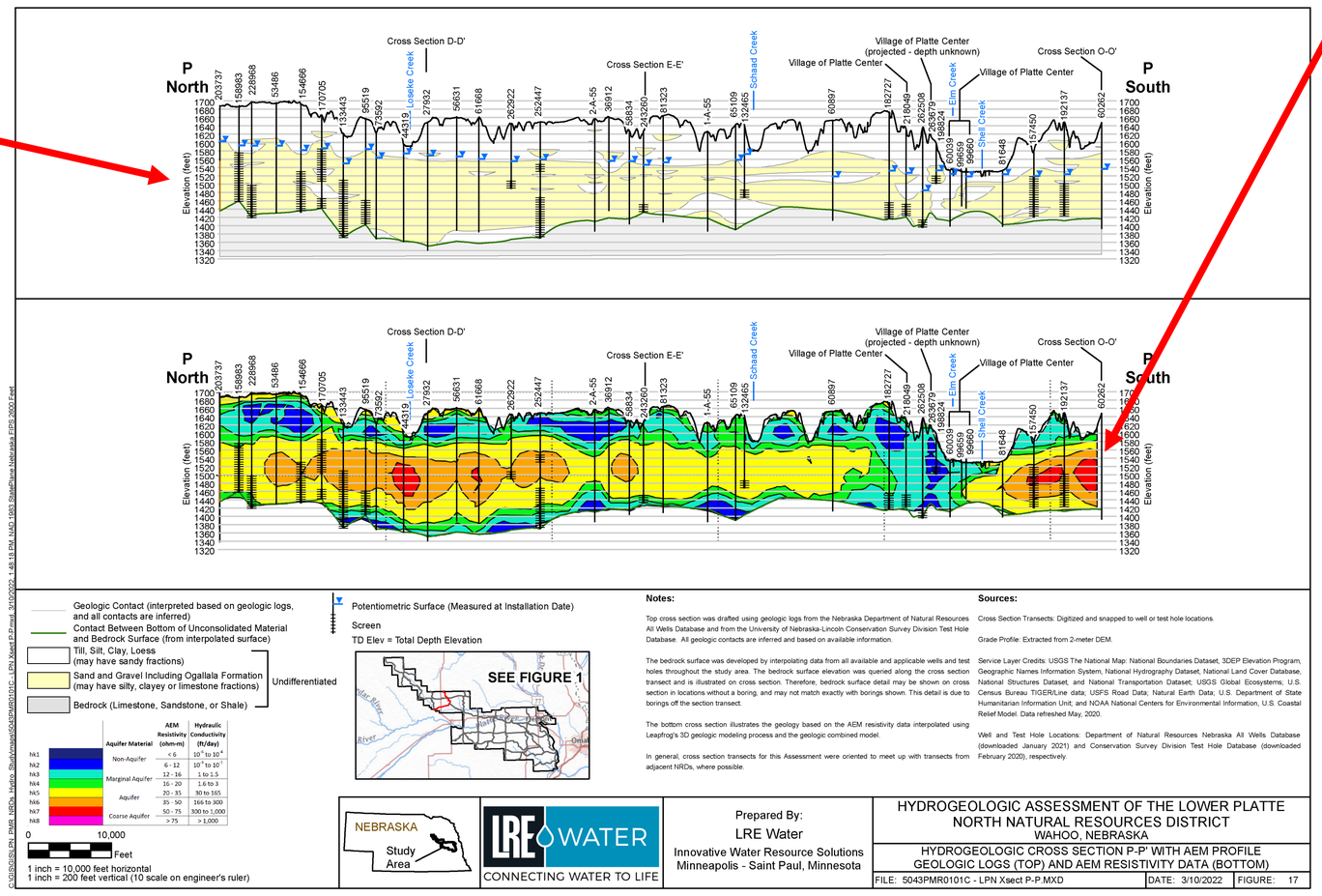


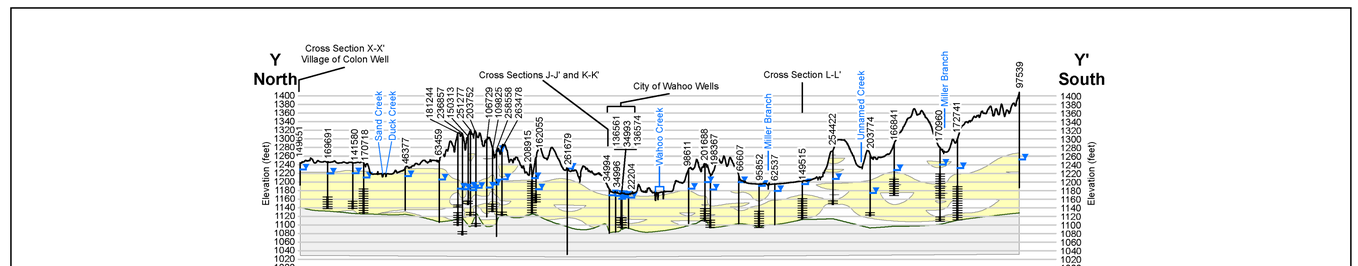
RAW DATA



INTERPOLATION / CONCEPTUAL MODEL

LPNNRD HYDROGEOLOGIC CROSS SECTIONS





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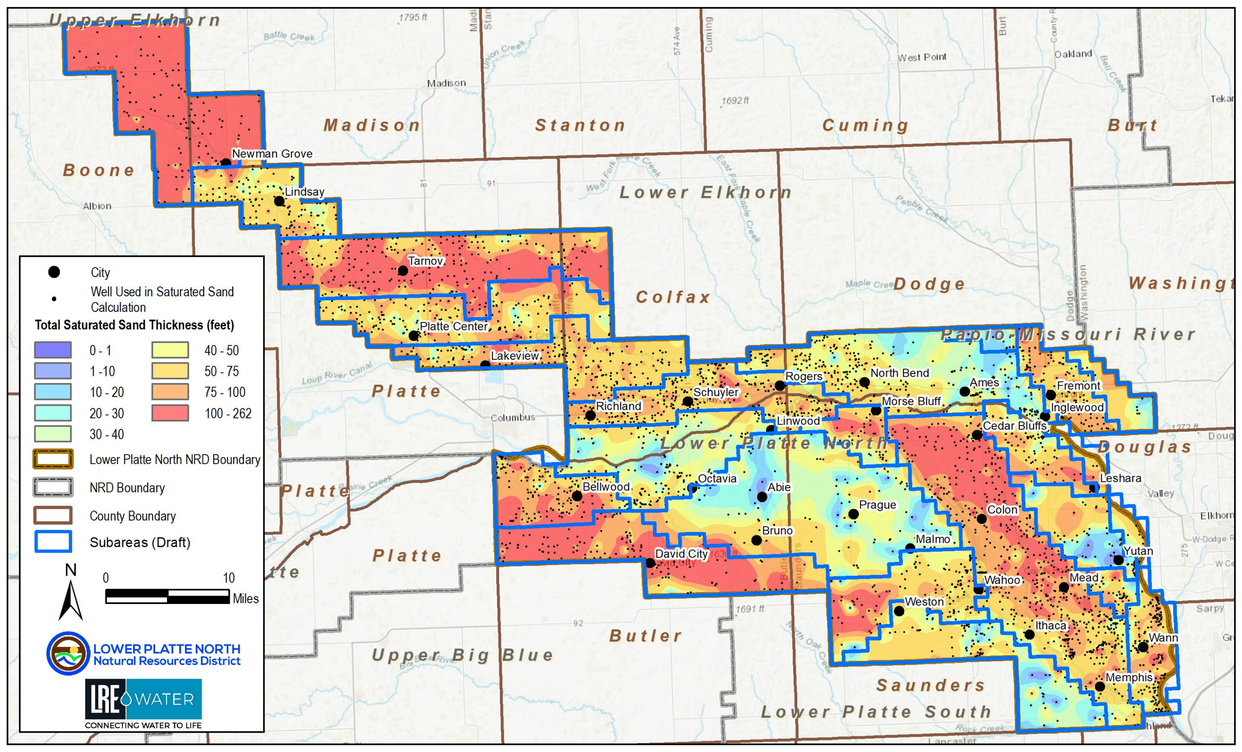
GROUNDWATER MANAGEMENT PLAN UPDATE - 2024

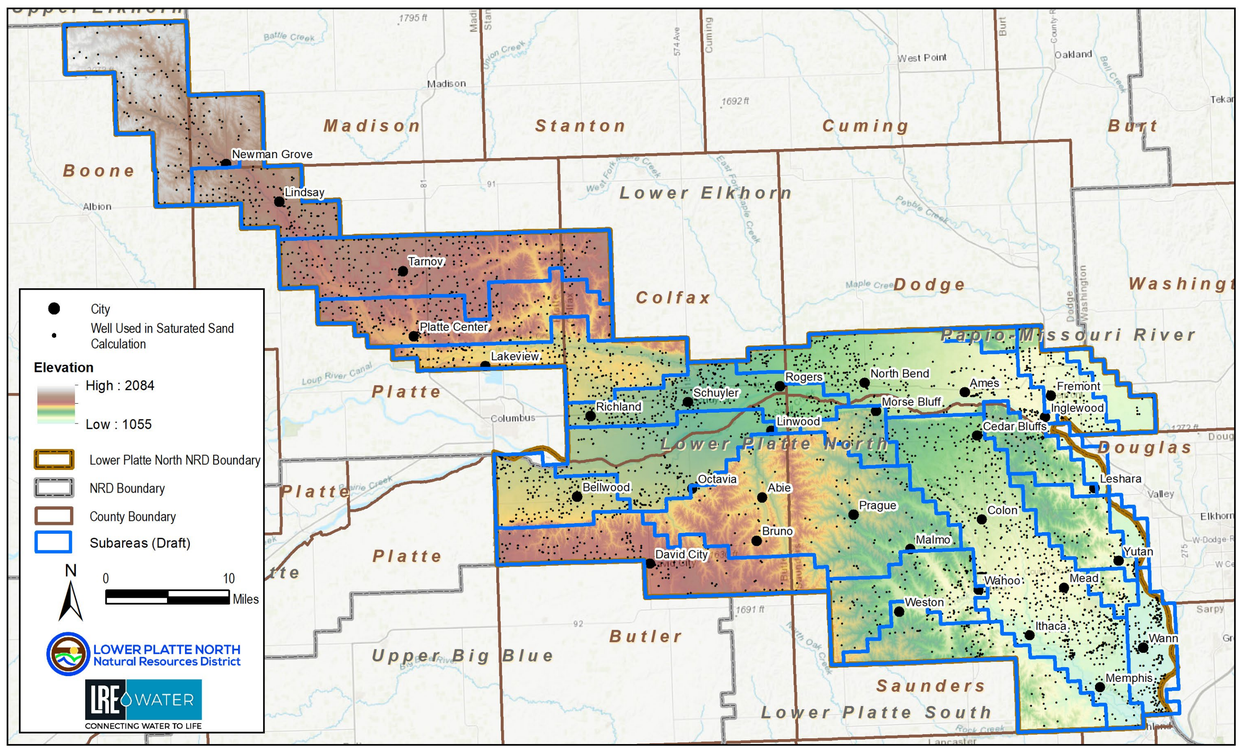
GROUNDWATER MANAGEMENT SUBAREAS
DRAFT / SUBJECT TO BOARD REVIEW & APPROVAL

- The LPNNRD is exploring the theory of utilizing 'subareas' as a foundation of groundwater management.
- Subareas were originally established in 2009, based upon hydrogeology and topography, but have not been adopted at this time.
- Subareas would be used primarily for evaluation and managing concerns with groundwater quantity but could also be used as target areas for nitrate studies.
- The 2024 draft subareas are based on the LPNNRD Hydrogeologic Assessment completed in 2023, which includes AEM data.

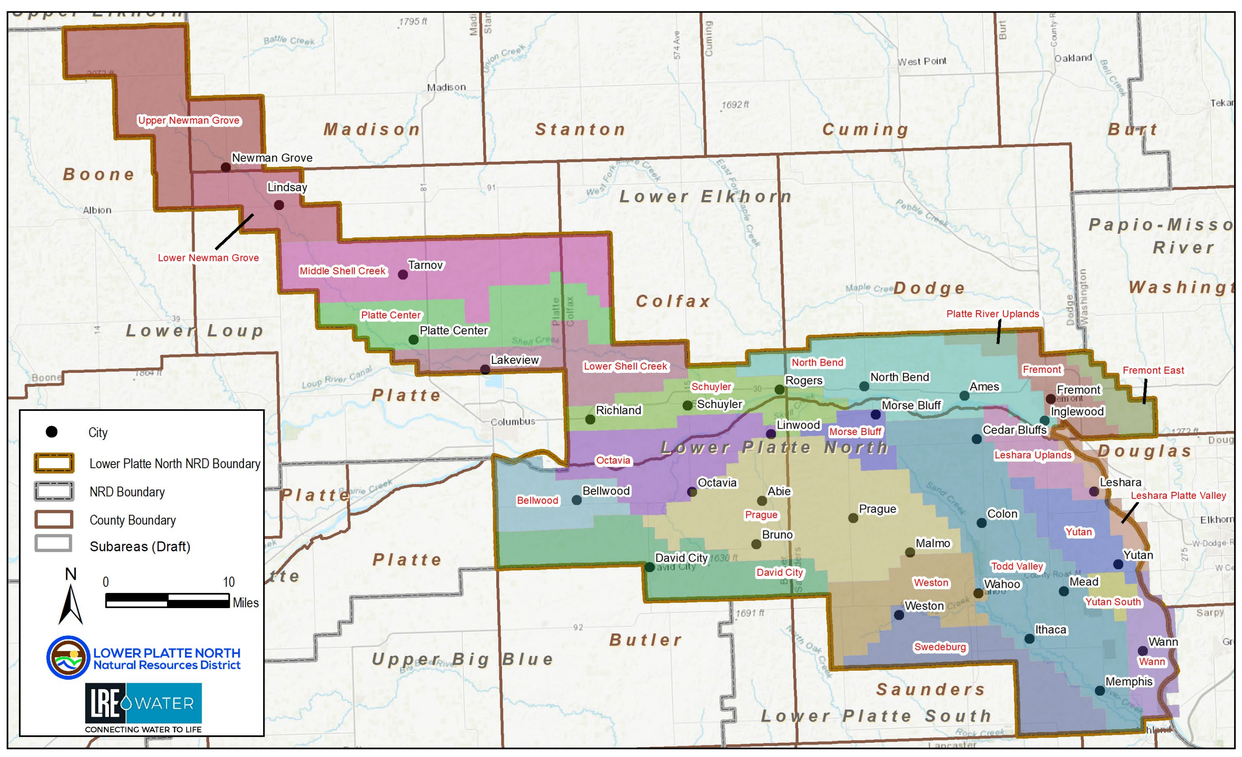
SUBAREAS & SATURATED THICKNESS



SUBAREAS & SURFACE TOPOGRAPH



SUBAREAS (DRAFT)



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Open House Meeting
Monday, August 26, 6:00PM (Platte Center)
Tuesday, August 27, 6:00PM (Wahoo)
GROUNDWATER
MANAGEMENT PLAN
UPDATE
LREWATER.COM
ROCKY MOUNTAIN | MIDWEST | SOUTHWEST | TEXAS

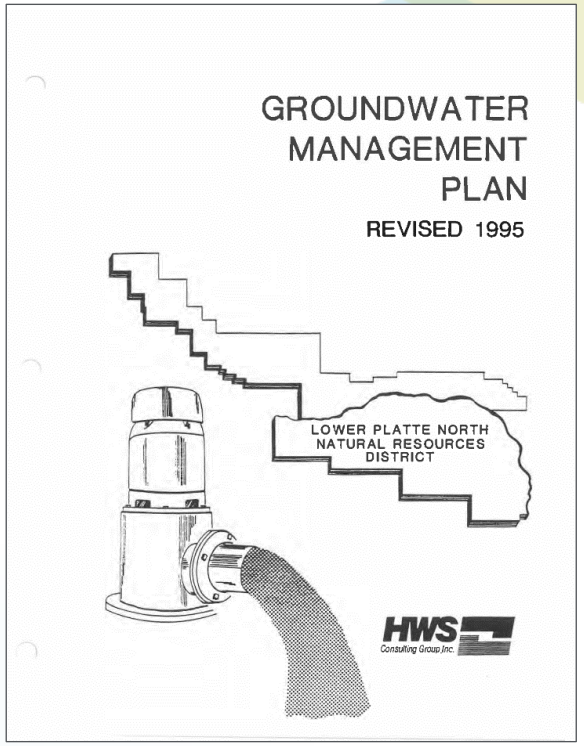
PRESENTATION OUTLINE

1) Plan Purpose & Requirements
2) Water Quality
3) Water Quantity
4) Proposed Subareas
5) Schedule
6) Open Discussion

PLAN PURPOSE & REQUIREMENTS

GROUNDWATER MANAGEMENT PLAN

- Groundwater Management and Protection Act
  - State Statue 46-709 – GWMP Required Contents
  - Utilize best available scientific data
  - 14 required elements
  - State Agency Reviews
  - Created in 1985
  - Updated in 1991 and 1994



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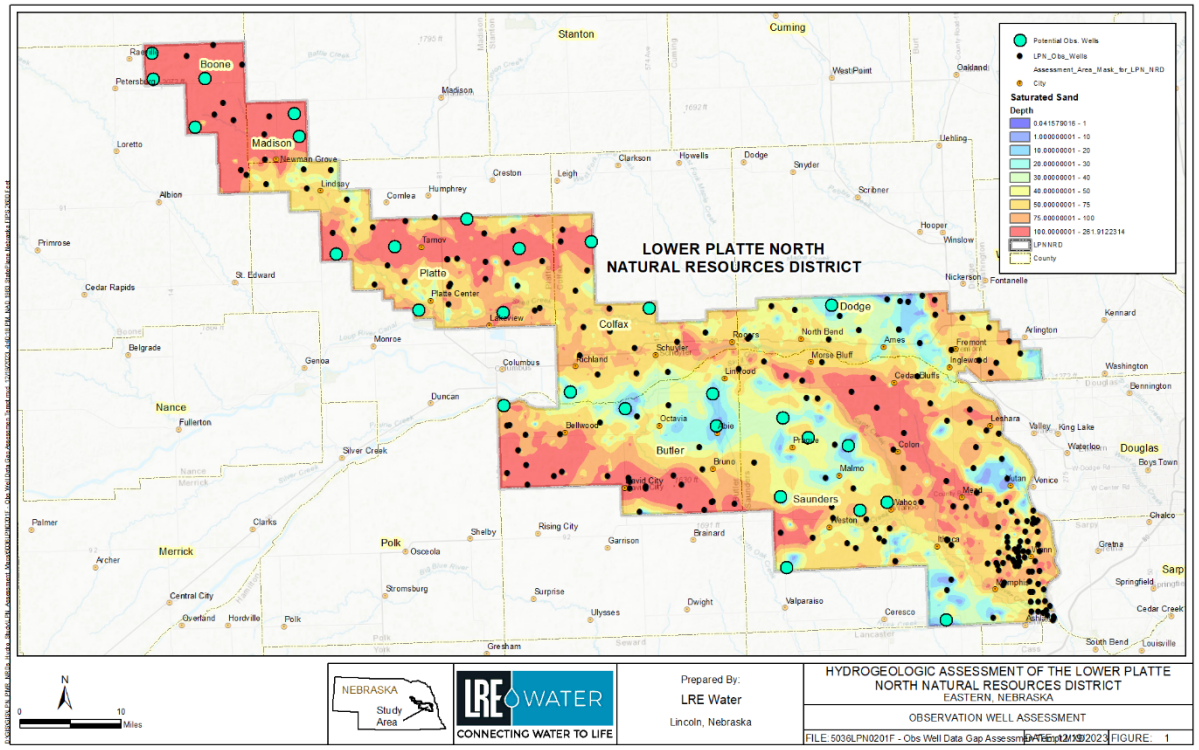
PLAN REQUIREMENTS

1. Groundwater Supplies (transmissivity, saturated thickness, etc.
2. Recharge
3. Precipitation
4. Crop water needs
5. Data collection programs
6. Water uses
7. Quality concerns



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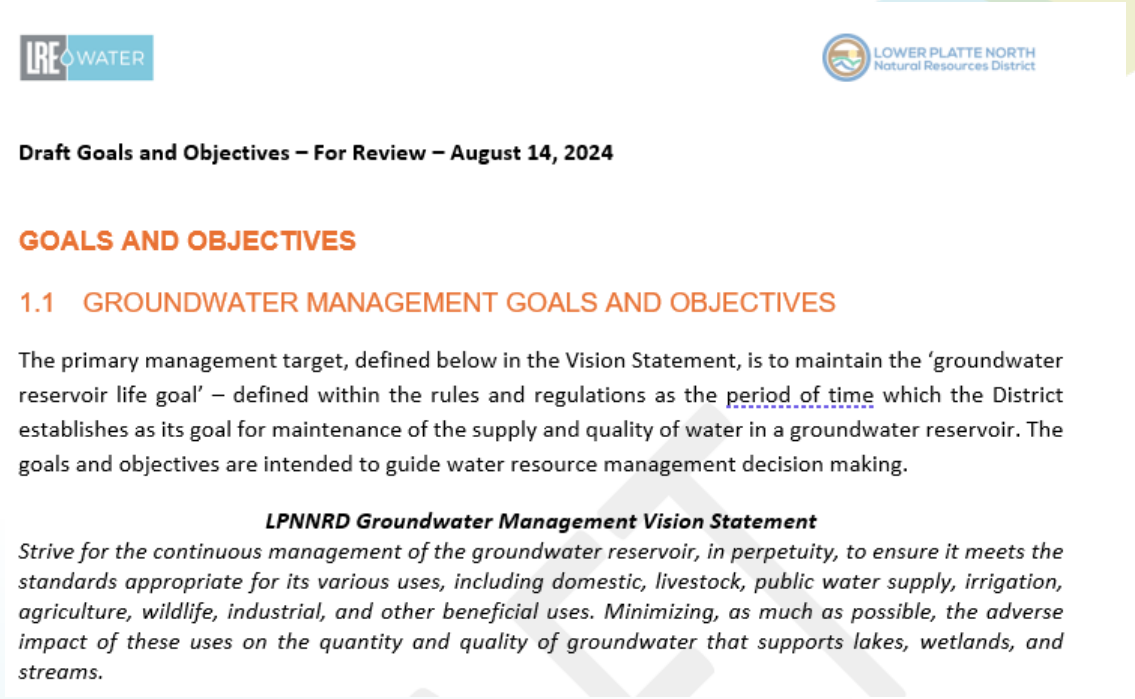
PLAN REQUIREMENTS

8. Conservation and augmentation programs
9. Supplementation supplies
10. Opportunity to integrate and coordinate water supplies
11. Goals and objectives
12. Sub-irrigation uses
13. Relative economic value of groundwater uses
14. Groundwater Management Areas



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Draft Goals and Objectives – For Review – August 14, 2024

GOALS AND OBJECTIVES

1.1 GROUNDWATER MANAGEMENT GOALS AND OBJECTIVES

The primary management target, defined below in the Vision Statement, is to maintain the 'groundwater reservoir life goal' – defined within the rules and regulations as the period of time which the District establishes as its goal for maintenance of the supply and quality of water in a groundwater reservoir. The goals and objectives are intended to guide water resource management decision making.

LPNNRD Groundwater Management Vision Statement

Strive for the continuous management of the groundwater reservoir, in perpetuity, to ensure it meets the standards appropriate for its various uses, including domestic, livestock, public water supply, irrigation, agriculture, wildlife, industrial, and other beneficial uses. Minimizing, as much as possible, the adverse impact of these uses on the quantity and quality of groundwater that supports lakes, wetlands, and streams.

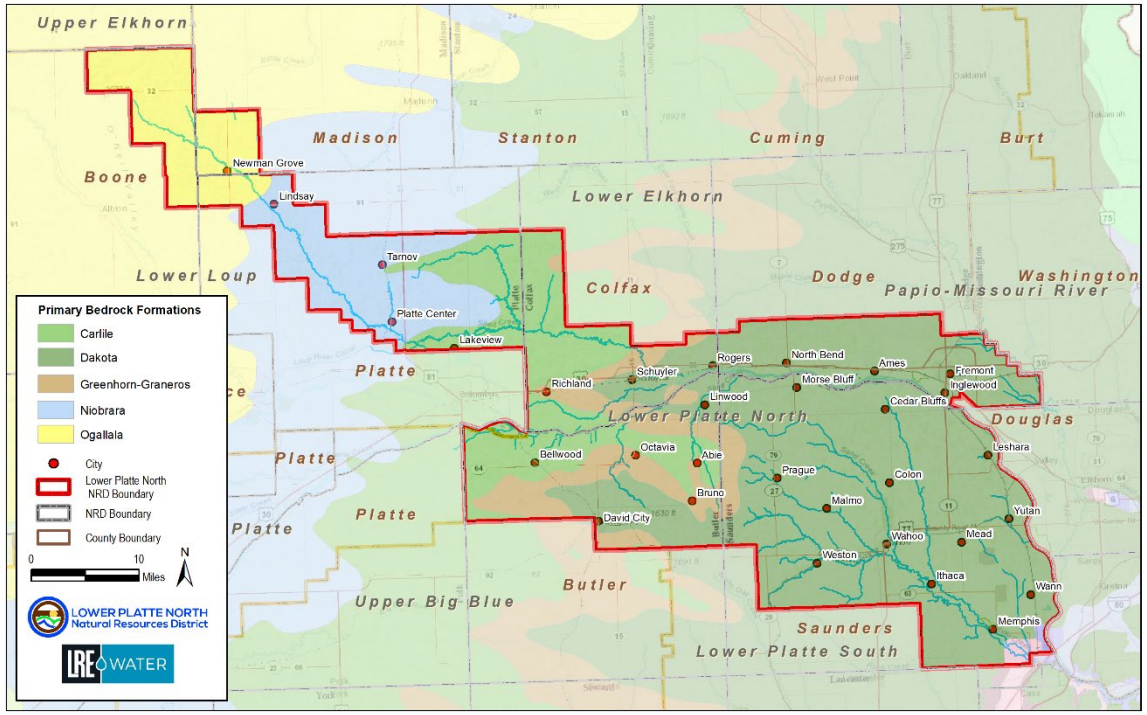
STAKEHOLDER ROLES & RESPONSIBILITIES

1) Work with LPNNRD
2) First Meetings – June 4 & June 6
3) Communicate throughout process
4) Provide guidance and information
5) Talk with other stakeholders
6) Review the GWMP draft

ADD PICTURE FROM Stakeholder MTG IN WAHOO

RULES & REGULATIONS

- The GWMP serves as a foundation for groundwater Rules & Regulations
- NRD Authority to Implement Rules, Regulations, and Controls (Neb. Rev. Stat. 46-709)
  - Last Amended – June 15, 2018
- Rule changes are <u>not</u> part of the GWMP Update



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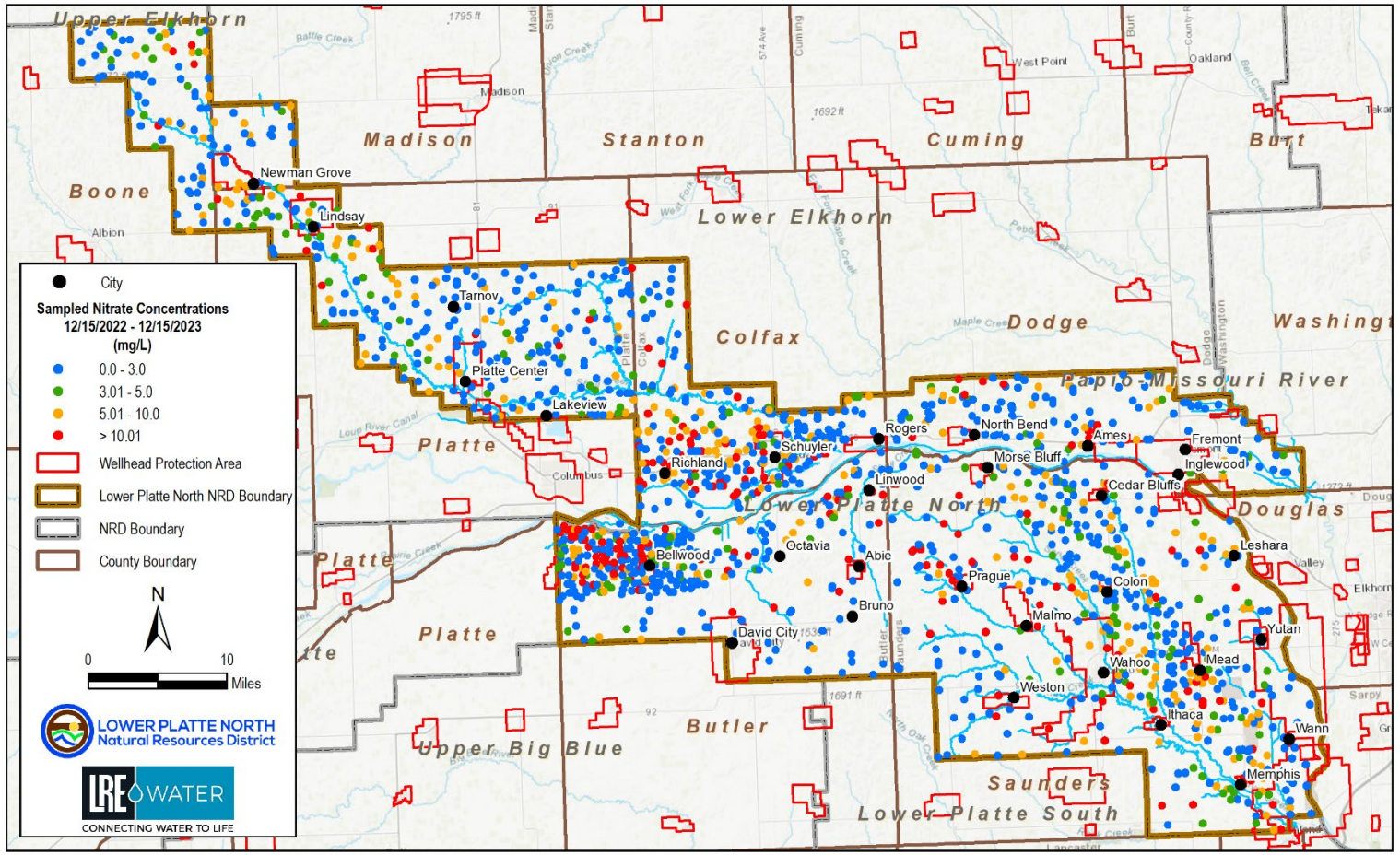
WATER QUALITY

QUALITY - NITRATE CONCENTRATIONS

- Maximum Contaminant Level (MCL) = 10 ppm
- Wellhead protection areas
- 53 Statewide Network wells sampled annually



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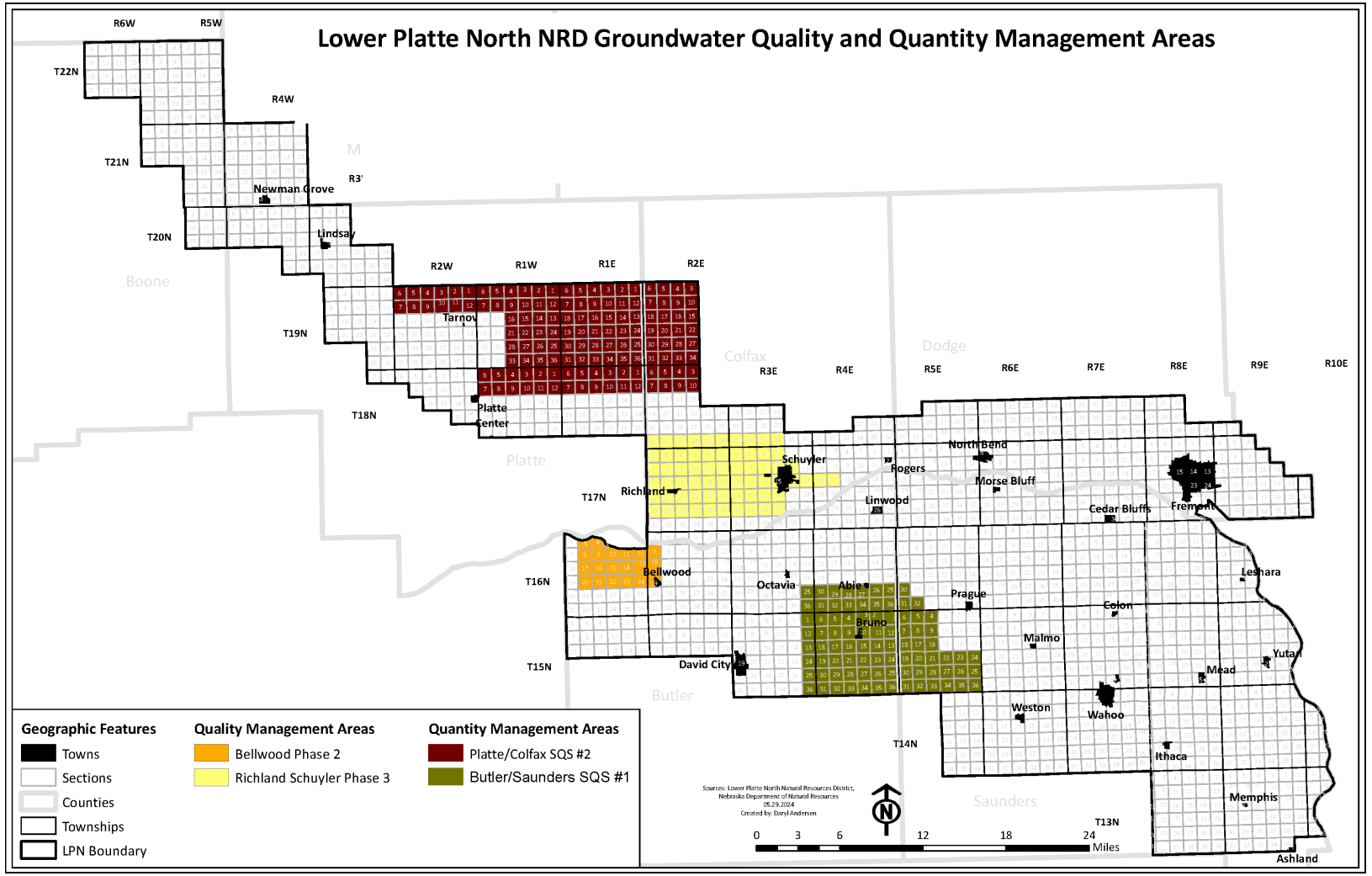
CURRENT PHASE TRIGGERS

- Quality Phase Triggers – based upon concentration of nitrate
  - Phase 1 – 0-8 ppm
  - Phase 2 - > 8-10 ppm
  - Phase 3 - > 10 - 15 ppm
  - Phase 4 – 15 ppm +

GROUNDWATER MANAGEMENT AREAS

- Driven by Rules & Regulations
- Two quality phase areas



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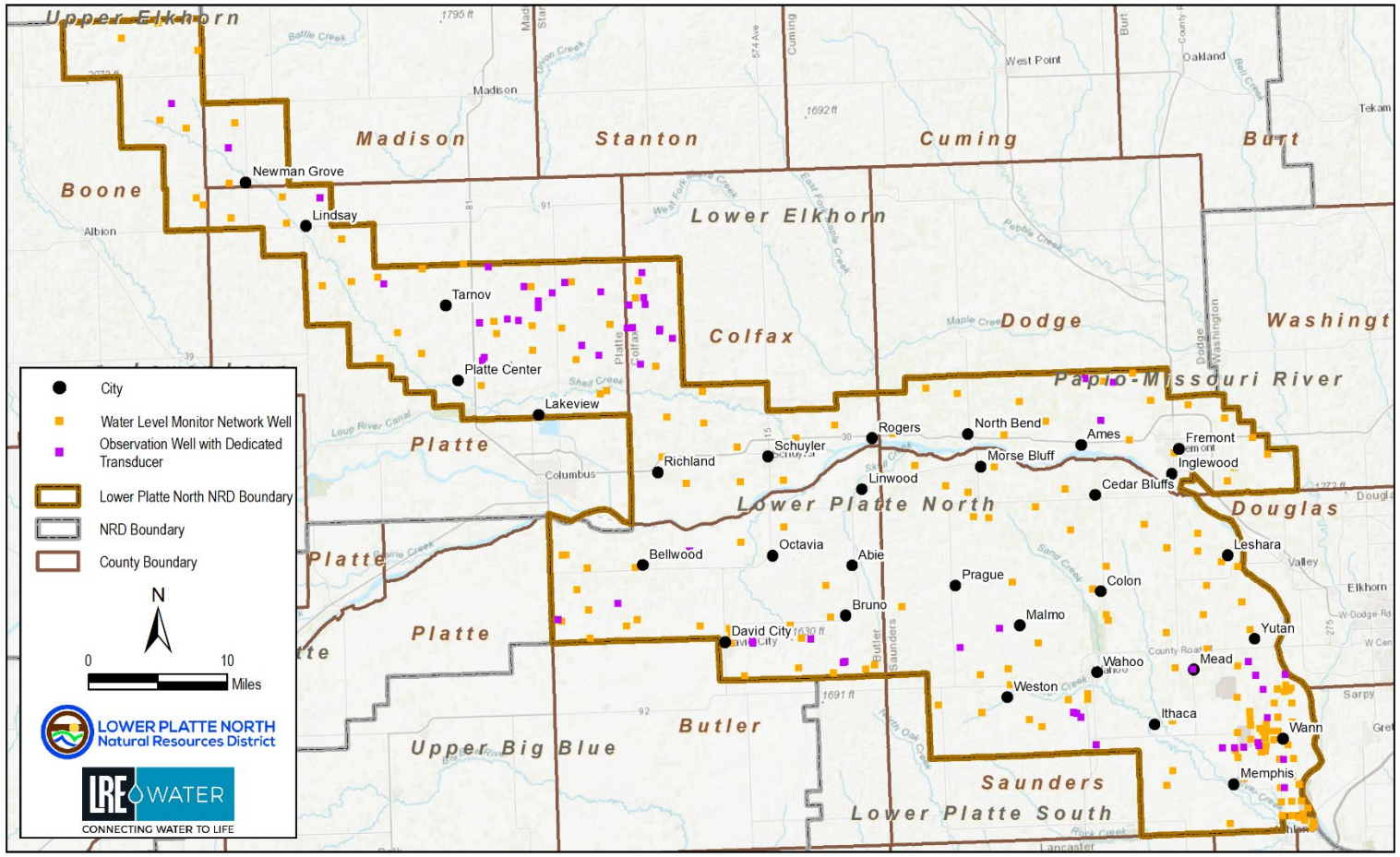
WATER QUANTITY

QUANTITY - MONITORING NETWORK

- Spring/fall water levels (215)
- Dedicated observation wells (62)



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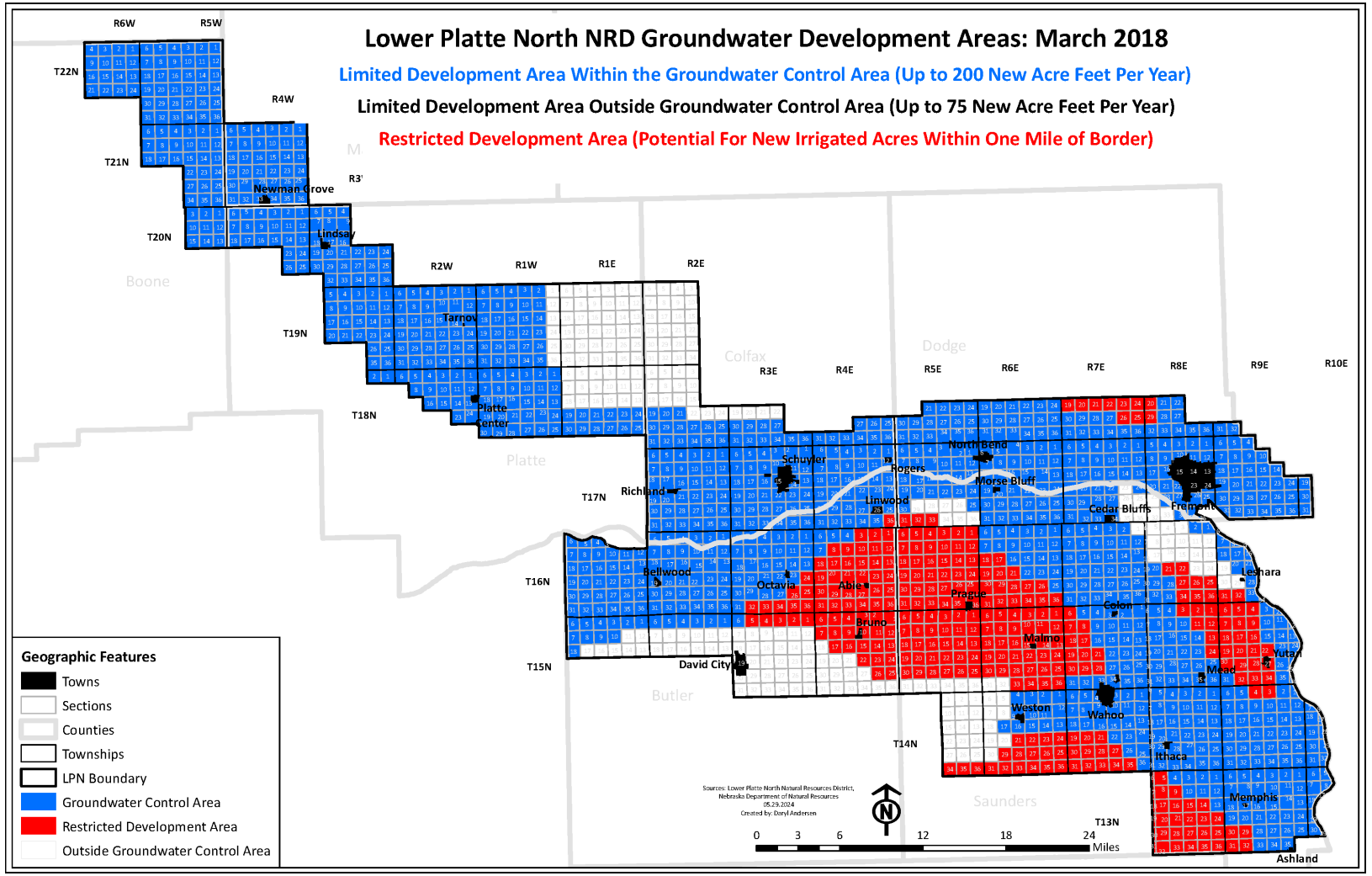
IMP DEVELOPMENT AREAS

- Integrated Management Plan
- Limits development of irrigated acres
- Hydrologically Connected Areas



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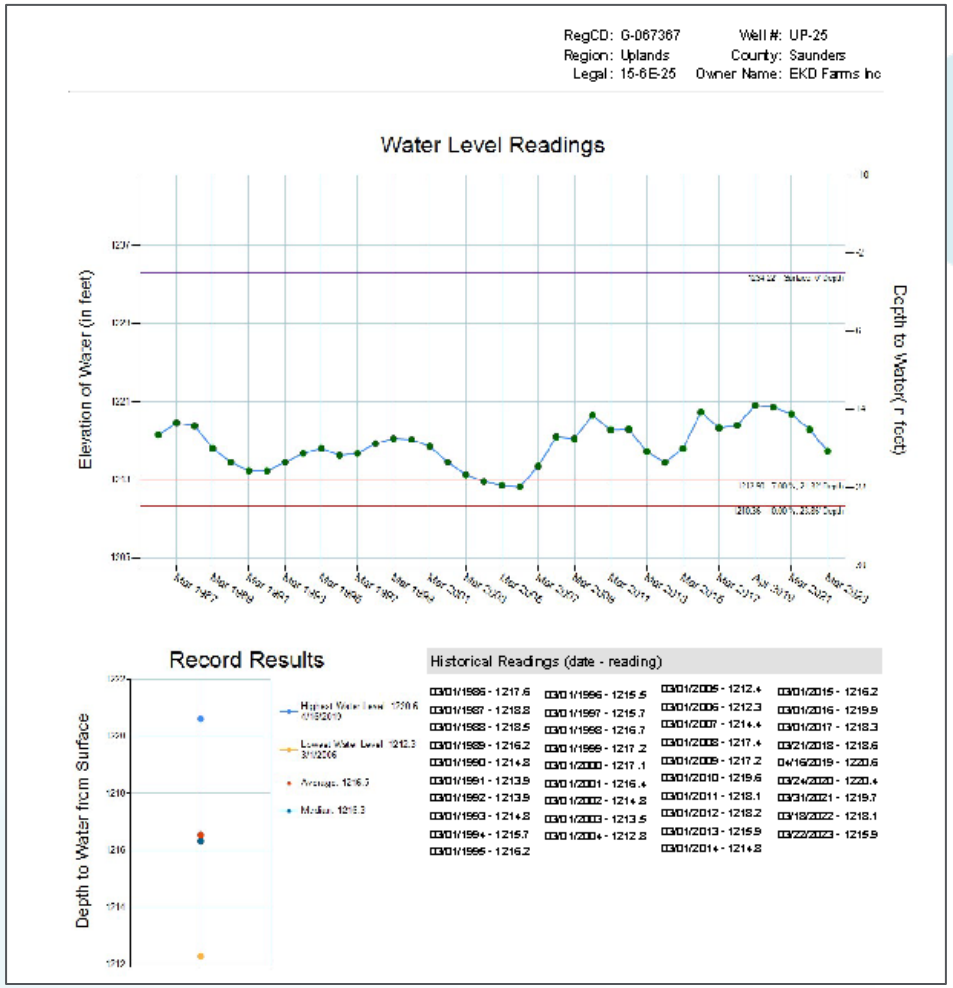
QUANTITY - MONITORING NETWORK

- Tracking trends in water levels tracked using hydrographs
- Triggers based upon percentage of drop within an aquifer over a number of years



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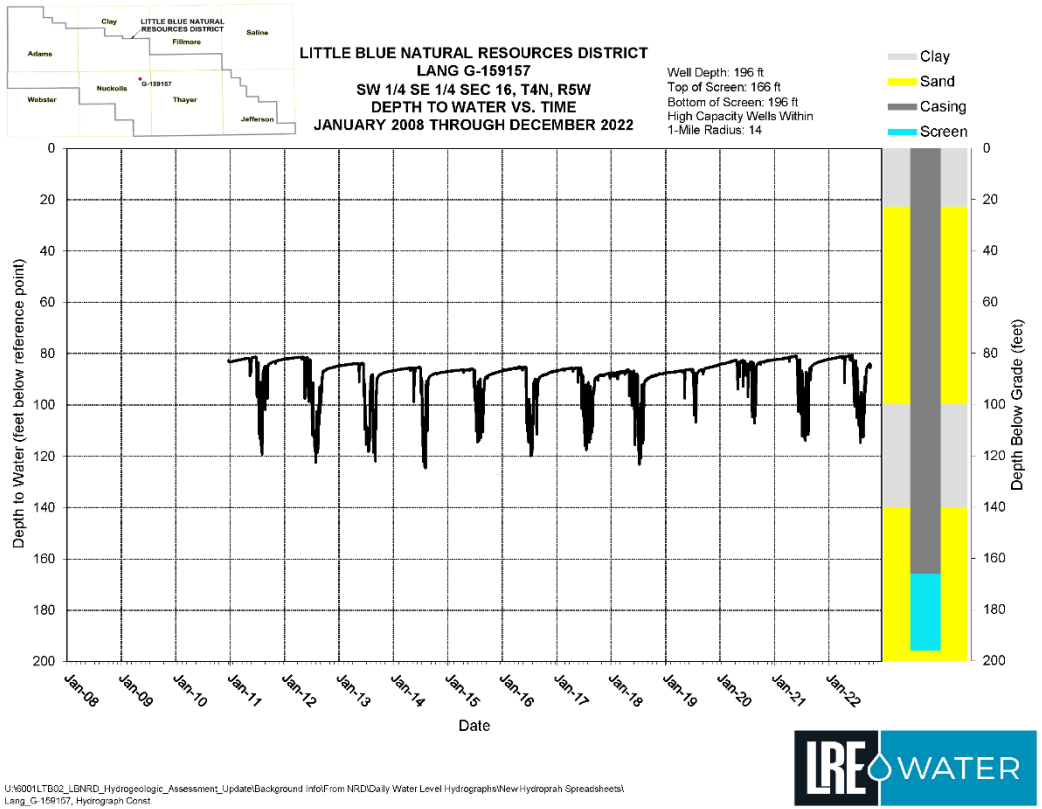
QUANTITY - MONITORING NETWORK

- LRE is conducting a review of 200 observation wells
- Consistent-scale hydrographs
- Well density
- Subarea
- Lithology
- Construction information



U:\6001LTB02_LBNRD_Hydrogeologic_Assessment_Update\Background Info\From NRD\Daily Water Level Hydrographs\New Hydroprah Spreadsheets\Lang_G-159157, Hydrograph Const

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CONFINED AQUIFER TRIGGERS

CONFINED AQUIFERS			
Rules and Regulations	**Level IA 7% drop in potentiometric-aquifer thickness**	**Level IIA 10% drop in potentiometric-aquifer thickness**	**Level IIIA 15% drop in potentiometric-aquifer thickness**
1. Operators of irrigation, municipal, and industrial well systems must attend education classes and be certified every 4 years.	X	X	X
2. Permits required on all new wells to be drilled which will pump greater than 50 gpm.	X	X	X
3. Well metering program established on all irrigation, municipal, and industrial wells.	Encouraged	Required	Required
4. Adopt acre-inch allocations per crops planted dependant on aquifer.	Encouraged	Required	Required
5. Water Use Report to NRD prior to December 31.	Encouraged	Annually	Annually
6. Require well spacing pursuant to Section 46-673.12. (Will v ary with % decline)			X
7. Require use of best management practices.			X

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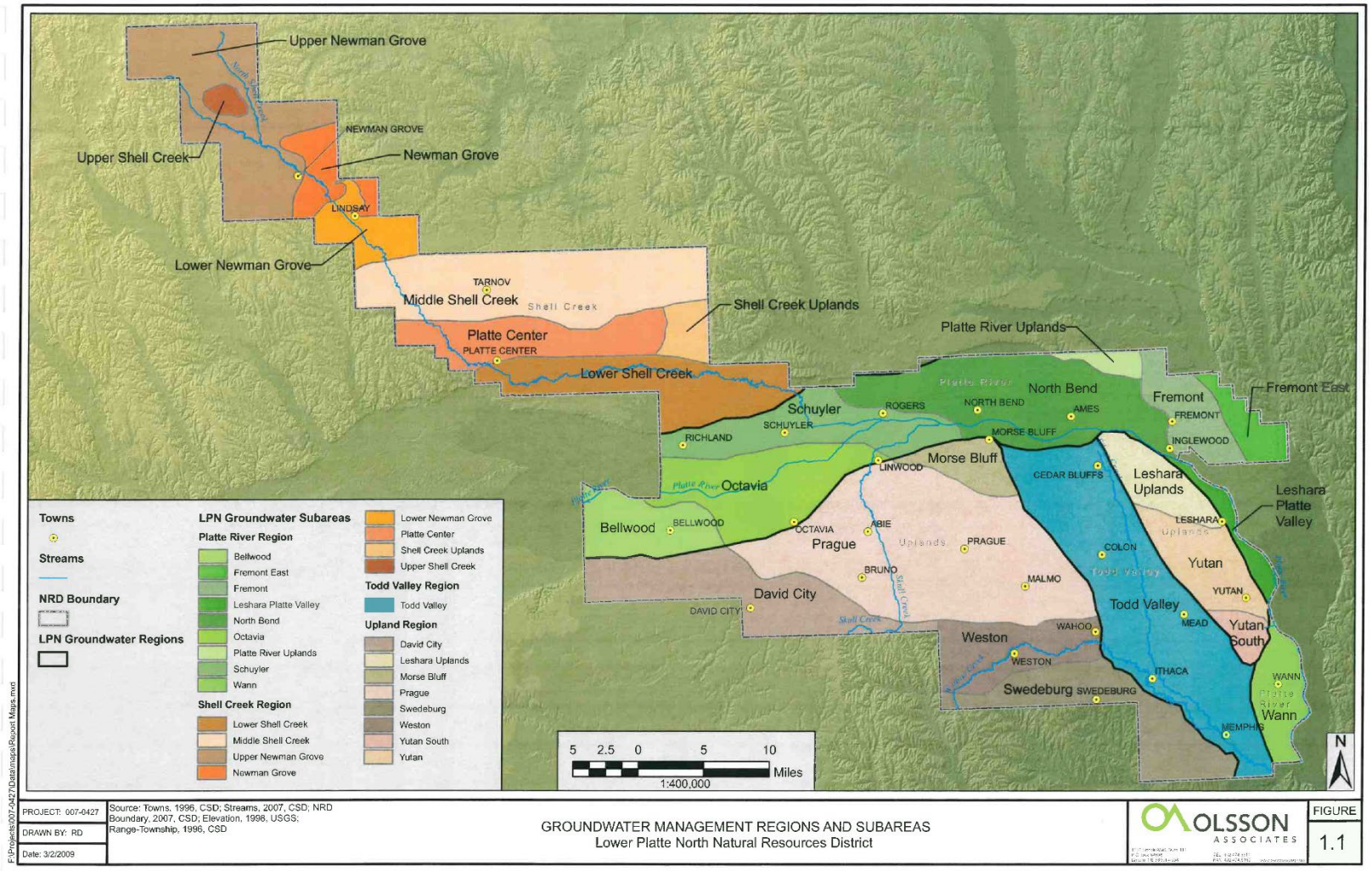
UNCONFINED AQUIFER TRIGGERS

UNCONFINED AQUIFER		
Rules and Regulations	**Level I 10% drop in saturated thickness**	**Level II 15% drop in saturated thickness**
1. Operators of irrigation, municipal, and industrial well systems must attend education classes and be certified every 4 years.	X	X
2. Permit required for all new wells to be drilled which will pump greater than 50 gpm.	X	X
3. Well metering established on irrigation, municipal, and industrial wells.	Encouraged	Required
4. Adopt acre-inch allocations per crops planted dependent on aquifer.	Encouraged	Required
5. Water Use Report to NRD prior to December 31.	Encouraged	Annually
6. Require well-spacing pursuant to section 46-673.12 (will vary with % decline)		X
7. Require use of best management practices.		X

PROPOSED SUBAREAS

DRAFT SUBAREAS

- First created in 2009
- Based on similar hydrogeology
- Being refined using Hydrogeologic Assessment &, AEM data



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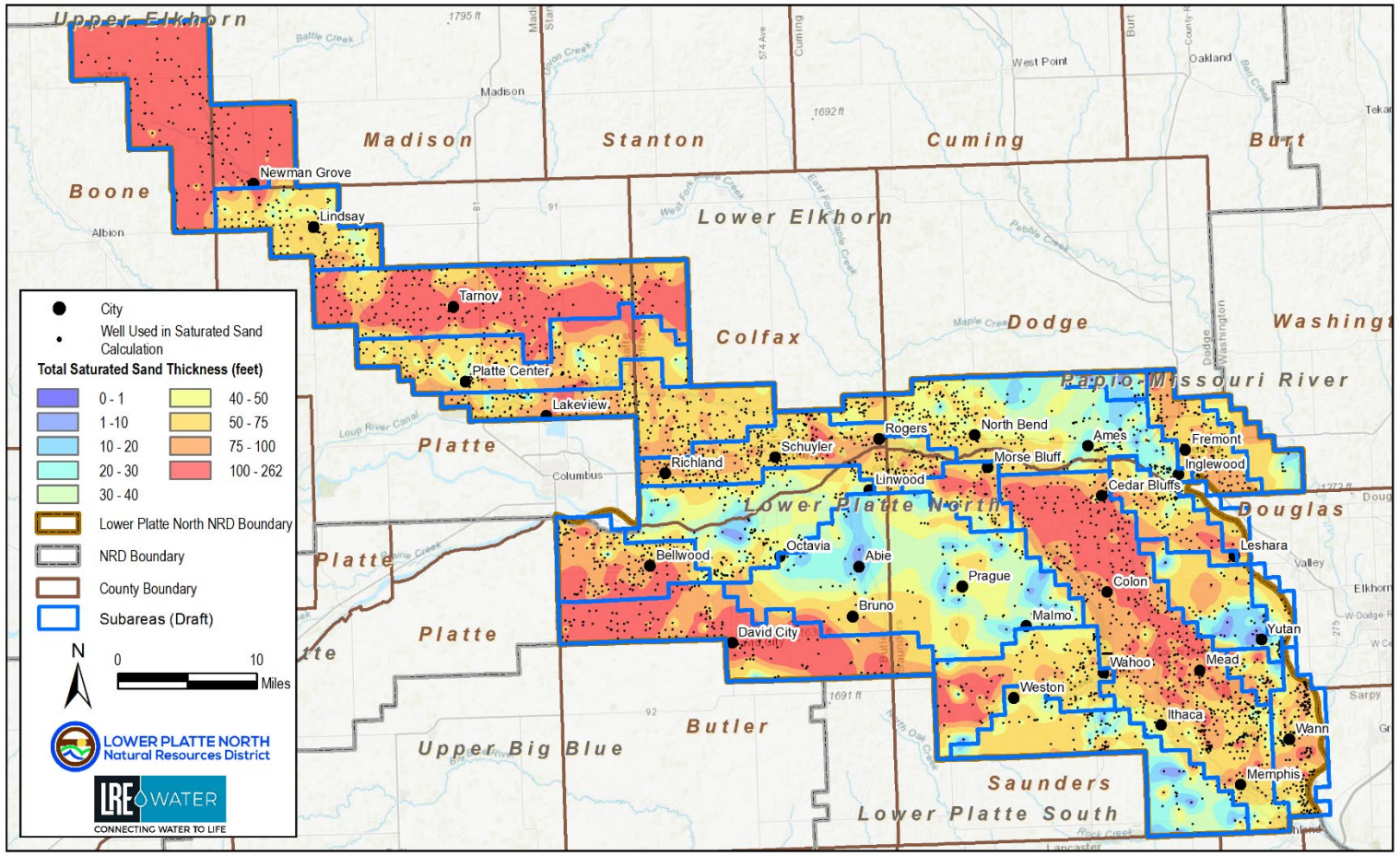
DRAFT SUBAREAS

- Based on consistent aquifer formations
- Saturated sand thickness
- 23 proposed areas



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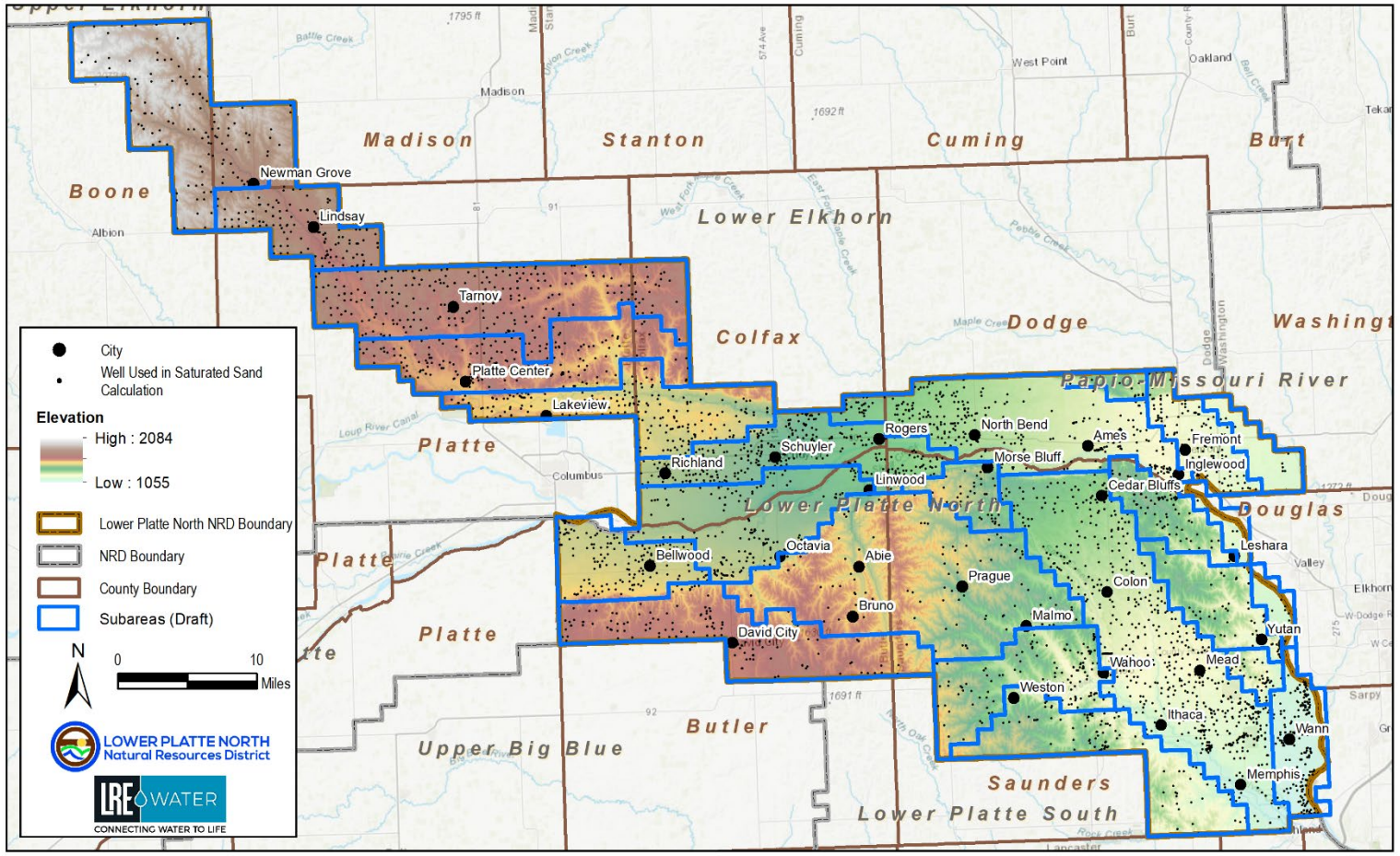
DRAFT SUBAREAS

- Refined further using topography
- Used for quantity, but also can define target areas for nitrate studies



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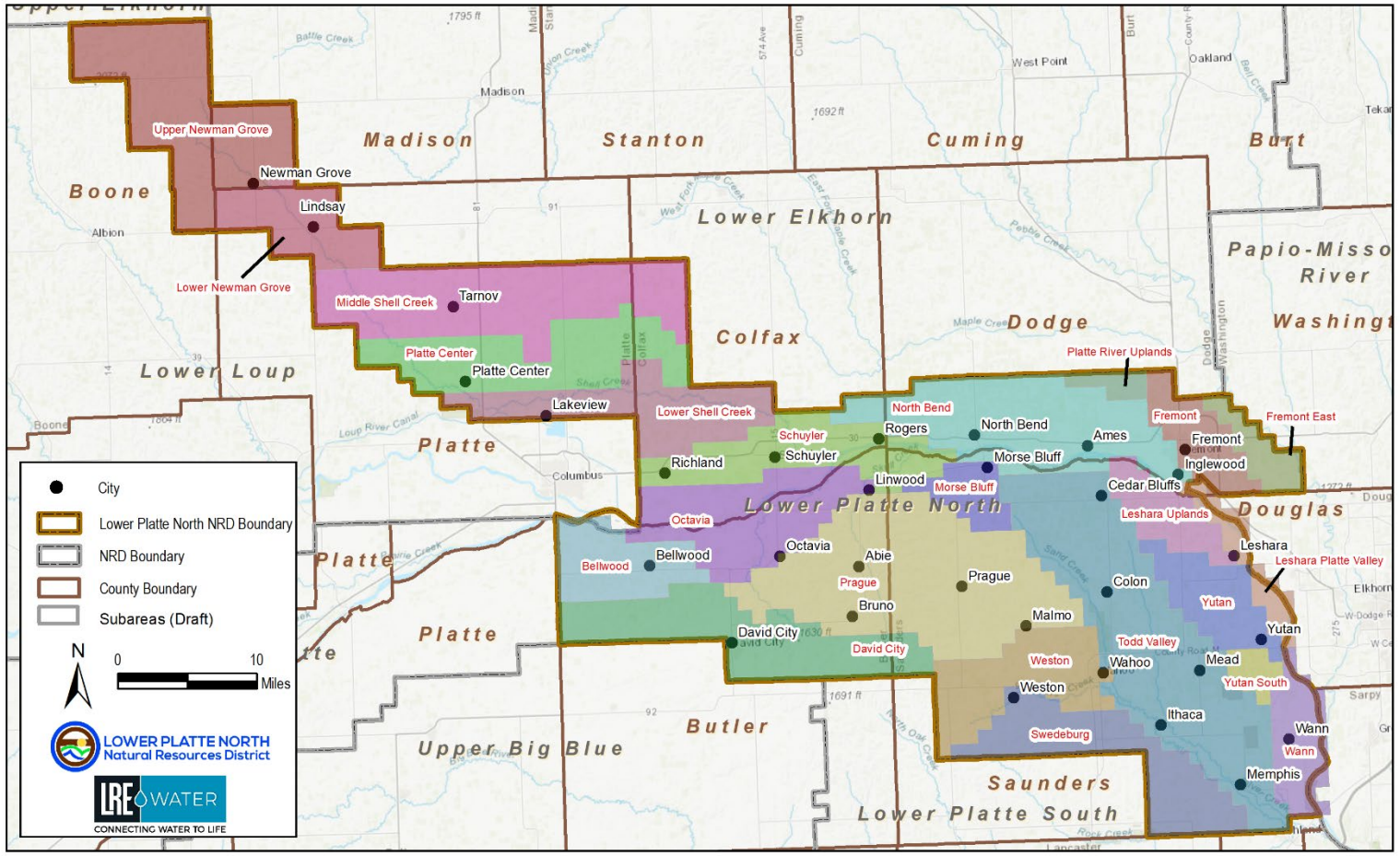
DRAFT SUBAREAS

- Will be reviewed by staff and Board of Directors
- Potentially adopted as part of the GWMP
- Integrated into Rules & Regulations



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SCHEDULE

SCHEDULE

- Kickoff – February 10, 2024
- Technical Group Mtg – April 25, 2024
- Stakeholder Meetings
  - June 4 – Platte Center
  - June 6 – Wahoo
- Open House Meetings – August 2024
- Stakeholder Meetings Round 2 – December 2024
- Draft GWMP – December 2024

OPEN DISCUSSION

OPEN DISCISSION

1) Water quality issues and concerns

2) Water supply issues and concerns

3) Water management

4) Feedback and suggestions

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CHEMIGATION - August 2024

TOTAL CHEMIGATION APPLICATIONS IN 2023 (700)

NEW CHEMIGATION APPLICATIONS - 56

(5) Boone (6) Butler (8) Colfax (3) Dodge (1) Madison (6) Platte (27) Saunders

RENEWALS: 652

BOONE COUNTY - 45
BUTLER COUNTY - 80
COLFAX COUNTY - 79
DODGE COUNTY - 120
MADISON COUNTY - 6
PLATTE COUNTY - 116
SAUNDERS COUNTY - 206

RENEWAL INSPECTIONS: 195

(5) Boone (35) Butler (24) Colfax (53) Dodge (4) Madison (33) Platte (41) Saunders

NEW INSPECTIONS: 58

(7) Boone (7) Butler (8) Colfax (3) Dodge (1) Madison (6) Platte (26) Saunders

NEW CANCELLATIONS: 2

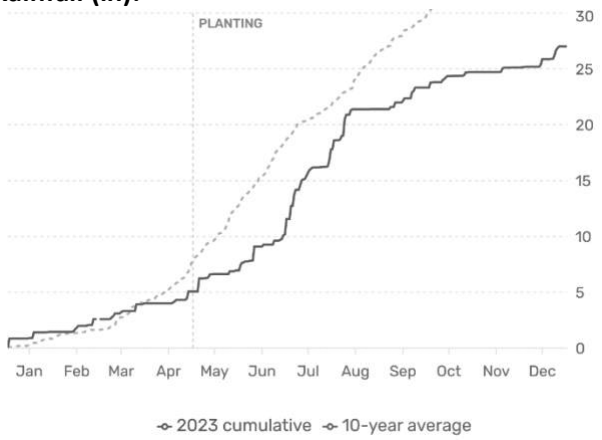
(0) Boone (0) Butler (2) Colfax (0) Dodge (0) Madison (0) Platte (0) Saunders

EMERGENCY: 0

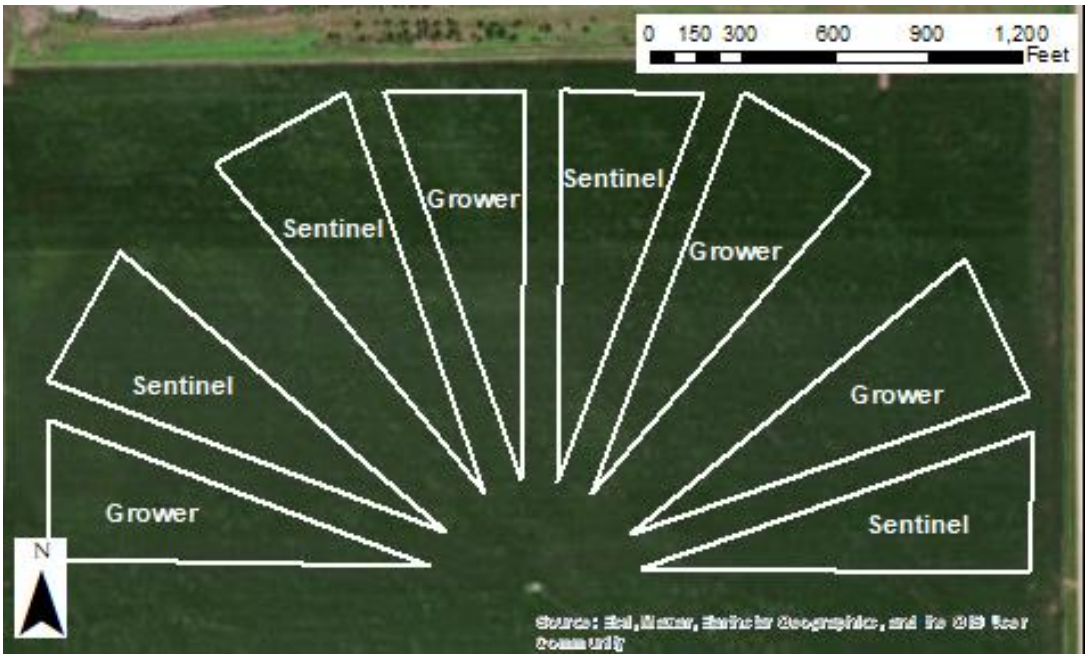
Imagery-Based Nitrogen Fertilization with Sentinel Fertigation N-Time®

Study ID: 0211023202301
County: Butler
Soil Type: Muir silt loam rarely flooded; Ovina-Thurman complex 0-6% slopes
Planting Date: 5/1/23
Harvest Date: 10/18/23
Seeding Rate: 34,000
Row Spacing (in): 30
Hybrid: Dekalb® DKC63-90
Reps: 4
Previous Crop: Corn
Tillage: Strip-till
Herbicides: ***Post:*** 3 oz/ac Balance® Flexx and 24 oz/ac Roundup® on 5/17/23
Foliar Fungicides: 13.7 oz/ac Trivapro® on 7/18/23

Irrigation: Pivot
Rainfall (in):



Introduction: Corn nitrogen (N) management may be improved by using sensors or imagery to detect and respond to corn N needs during the growing season. Sentinel Fertigation's N-Time® application analyzes multispectral images to deliver fertigation scheduling recommendations. Indicator sectors (small slices established during the first fertigation event) with higher (+30 lb N/ac) and lower (-30 lb N/ac) N rates were applied in the field using a variable-rate injection pump on June 29, 2023. These indicator sectors were used to determine when additional fertigation is needed throughout the season. If an N application was recommended by N-Time® the N (lb N/ac) applied via fertigation (typically 30 or 60 lb N/ac) is noted in the application table below. Note that different Sentinel sectors of the pivot may receive different recommendations throughout the growing season. This study compared the grower's standard N management to the Sentinel Fertigation N-Time® N management, with four paired sectors (each sector was about 7 acres) of each treatment as shown in the map below.



Application Table: Nitrogen applied throughout the 2023 growing season is included in the table below. N applications (in lb N/ac) are noted by date, along with products applied at those instances. Sentinel N-Time® began monitoring and directing N fertigation applications following the June 29, 2023 N application. N applications directed by N-Time® are shaded in gray to the right of the double vertical lines in the table below.

	4/12	6/16	6/29	7/10	Total N rate (lb/ac)
Treatment	*lb N/ac applied*				
Grower N Management	77[a]	32.5[b]	30[b]	34[b]	**173.5**
Sentinel Fertigation N-Time®	77[a]	32.5[b]	30[b]	-	**139.5**

[a] Product used was 32-0-0-0 via strip till

[b] Product used was 32-0-0-0 applied via fertigation

Results:

	Total N rate (lb/ac)	Moisture (%)	Yield (bu/ac)†	Partial Factor Productivity of N (lb grain/lb N)	lbs N/bu grain	Marginal Net Return‡ ($/ac)
Grower N Management	174	15.3 A*	255 A	82 B	0.68 A	1,168 A
Sentinel Fertigation N-Time®	140	15.1 A	256 A	103 A	0.55 B	1,190 A
P-Value	N/A	0.156	0.929	0.0003	0.0002	0.168

*Values with the same letter are not significantly different at a 90% confidence level.

†Yield values are from cleaned yield monitor data. Bushels per acre were corrected to 15.5% moisture.

‡Marginal net return based on $5/bu corn and $0.63/lb N.

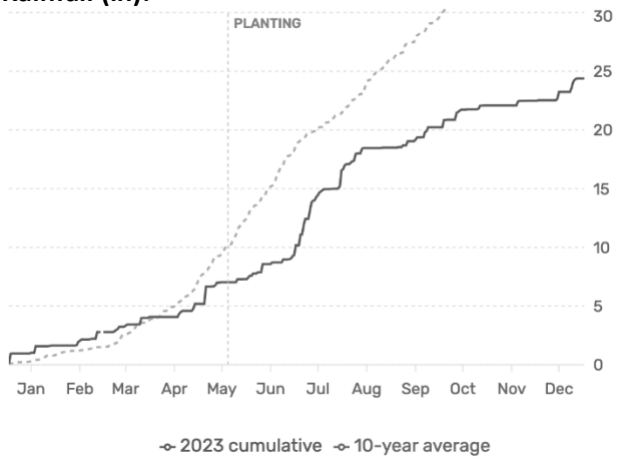
Summary:

- The Sentinel Fertigation N-Time® management did not recommend additional N applications beyond the grower base rates, which resulted in a 34 lb N/ac reduction in N fertilizer with no impact on yield, resulting in a 26% increase in N use efficiency. There was no difference in marginal net return.
- Soil samples (24" depth) were collected in early December 2023 following harvest. Four grower and four Sentinel sectors were randomly selected for sampling and two composite samples were taken from each sector. Results indicated residual nitrate in the Sentinel sectors (average 9.2 ppm) was comparable to the grower sectors (average 9.7 ppm); the difference was not statistically significant.

This research was partly supported by an award from the USDA-NRCS Conservation Innovation Grants, On-Farm Conservation Innovation Trials, award number NR203A750013G014.

Imagery-Based Nitrogen Fertilization with Sentinel Fertigation N-Time®

Study ID: 1526037202301
County: Colfax
Soil Type: Alda fine sandy loam 0-1% slope
Planting Date: 5/19/23
Harvest Date: 11/3/23
Seeding Rate: 32,000 seeds/acre
Row Spacing (in): 30
Hybrid: Pioneer® P1366AM
Reps: 4
Previous Crop: Soybean
Tillage: Conventional Till
Herbicides: ***Pre:*** 2.25 qt/ac Lexar®, 17.6 oz/ac DiFlexx®, 56 oz/ac Roundup®, with 5 lb/ac ammonium sulfate in late May ***Post:*** 40 oz/ac Roundup® with 2.5 lb/ac ammonium sulfate on 6/12/23
Seed Treatment: Standard Pioneer® treatment
Foliar Insecticides: 6.4 oz/ac Bifenthrin2EC and 13.7 oz/ac Trivapro® in late August
Note: Minor wind damage
Irrigation: Pivot, Total: 13.5"
Rainfall (in):



Baseline Soil Samples 0-6" (May 2023):

pH	OM LOI %	Nitrate–N ppm N	M3–P ppm P	Sulfate–S ppm S	K ppm	Ca ppm	Mg ppm	Na ppm	CEC me/100g
5.1	1.7	35	63	23.2	161	578	80	17	7.7
5.6	1.8	30	115	20.6	227	535	77	17	6.7
5.9	1.5	16.5	43	17	142	677	98	17	6

Introduction: Corn nitrogen (N) management may be improved by using sensors or imagery to detect and respond to corn N needs during the growing season. Sentinel Fertigation's N-Time® application analyzes multispectral images to deliver fertigation scheduling recommendations. Indicator sectors (small slices established during the first fertigation event) with higher (+30 lb N/ac) and lower (-30 lb N/ac) N rates were applied in the field (using a variable rate injection pump) on June 23, 2023 to determine when fertigation was needed. If an N application was recommended by N-Time® the N (lb N/ac) applied via fertigation (typically 30 or 60 lb N/ac) is noted in the application table below. Note that different Sentinel sectors of the pivot may receive different recommendations throughout the growing season. This study compared the grower's standard N management to the Sentinel Fertigation N-Time® N management, with four paired sectors of each treatment (each sector was about 4 acres buffered 60 feet internally to reduce sprinkler package overlap between sectors as shown below) on two three-span half-pivots as shown below.

Application Table: Nitrogen applied throughout the 2023 growing season is included in the table below. N applications (in lb N/ac) are noted by date, along with products applied at those instances. Sentinel N-Time® began monitoring and directing N fertigation applications following the June 23, 2023 N application; further N-Time® directed N applications are shaded in gray to the right of the double vertical lines in the table below.

	5/25	6/23	6/27	7/10	7/20	Total N Applied
Treatment	----------*lb N/ac applied*----------					
Grower N Management	50 [a]	60[b]	70 [c]	25 [c]	-	**205**
Sentinel Fertigation N-Time®	50 [a]	60[b]	-	-	30 [c]	**140**

[a] Product used was 32-0-0-4 S via planter

[b] Product used was 32-0-0-4 S via fertigation for indicator slice establishment

[c] Product used was 32-0-0-4 S

Results:

	Total N rate (lb/ac)	Moisture (%)	Yield (bu/ac)†	Partial Factor Productivity of N (lb grain/lb N)	lbs N/bu grain	Marginal Net Return‡ ($/ac)
Grower N Management	205	16.6 A*	233 A	64 B	0.88 A	1,036 A
Sentinel Fertigation N-Time®	140	16.2 B	235 A	94 A	0.60 B	1,087 A
P-Value	N/A	0.042	0.805	0.001	0.001	0.248

*Values with the same letter are not significantly different at a 90% confidence level.
†Yield values are from cleaned yield monitor data. Bushels per acre were corrected to 15.5% moisture.
‡Marginal net return based on $5/bu corn and $0.63/lb N.

Summary: The Sentinel Fertigation N-Time® management recommended only one additional nitrogen application beyond the initial base rates. This resulted in a 65 lb N/ac reduction in N fertilizer with no yield penalty. As a consequence, each unit of N applied produced more lb of grain, resulting in a 47% increase in nitrogen use efficiency. There was no statistically significant difference in marginal net return.

This research was partly supported by an award from the USDA-NRCS Conservation Innovation Grants, On-Farm Conservation Innovation Trials, award number NR203A750013G014.

DRAFT GUIDANCE DOCUMENT 8/21/2024

Nitrogen Reduction Incentive Act

Background

LB 1368, the Nitrogen Reduction Incentive Act (NiRIA), established a state program to provide incentives to producers for reducing the use of commercial fertilizers. The requirements of NiRIA are that producers verify a reduction in nitrogen fertilizer application rates as the lesser of 40 pounds per acre or 15% of their baseline application rate.

The Department of Natural Resources (Department) in partnership with local Natural Resources Districts (NRDs) and input from producers and commercial entities have developed this guidance document to define target areas and criteria for this new program. This guidance document will be reviewed annually to determine if program modifications are necessary.

NiRIA will be operative beginning with the 2025 growing season and is scheduled to terminate on December 31, 2029. Total funding currently available for the program is capped at $1 million.

Priority Areas and Incentive Payments

The Department and NRDs have determined the program will operate under three priority areas (Figure 1) and **will be offered to corn, sugar beet, and potato producers**. **Priority A Area** will be wellhead protection areas and phase II, or higher phase areas established by an NRD for purposes of water quality management. **Priority B Area** will be areas throughout the state that have been certified to irrigate crops. **Priority C Areas** will be all other areas of the state, including dryland. **Contact your local NRD to know which Priority Area you are in.** *Figure 1 data is supplied by NeDNR permitted irrigated lands, wellhead protection areas, and NRD phase areas as of June 28, 2024.*

Priority A Areas: Priority A Areas represent areas of elevated nitrate levels with enhanced management including wellhead protection areas and irrigated lands in phase II or higher areas. Most of these areas currently require establishment of a producer's baseline information and data reporting to NRDs, including nitrogen application rates. NRD crop report data will be used to establish baseline nitrogen application rates for producers in these areas.

Incentive payments in Priority A Areas will be set at $15 per acre for producers that can demonstrate a reduction in nitrogen fertilizer application rates of the lesser of 40 pounds per acre or 15% of their baseline application rate. **Under no circumstance can**

other nitrogen sources (manure, wastewater, etc.) replace the reduced commercial fertilizer.

Priority B Areas: Priority B Areas represent areas that are not in the Priority A Areas and have acres that are certified to irrigate. To be eligible for participation in NiRIA, producers in Priority B Areas will be required to establish a baseline level of nitrogen application through one or both of the options outlined below.

> Option One: Submit all the data required on local NRD phase II or greater reports for the prior 3 growing seasons,
>
> or
>
> Option Two: Complete advanced soil sampling, as established by the NRD, prior to the cropping season for which the incentive payment is requested.

Incentive payments in Priority B Areas will be set at $12 per acre for producers that can demonstrate a reduction in nitrogen fertilizer application rates of the lesser of 40 pounds per acre or 15% of their baseline application rate. **Under no circumstance can other nitrogen sources (manure, wastewater, etc.) replace the reduced commercial fertilizer.**

Priority C Areas: Priority C Areas encompass all other areas of the state not captured in Priority A or B Area designations. To be eligible for participation in NiRIA producers in these areas will be required to establish a baseline level of nitrogen application through one, or both, of options unlined in Priority B:

Incentive payments in Priority C Areas will be set at $10 per acre for producers that can demonstrate a reduction in nitrogen fertilizer application rates of the lesser of 40 pounds per acre or 15% of their baseline application rate. **Under no circumstance can other nitrogen sources (manure, wastewater, etc.) replace the reduced commercial fertilizer.**

The method and practice to achieve the nitrogen fertilizer application reduction is at the discretion of the producer, but incentive payments will not be distributed until proper documentation has been submitted to the NRD demonstrating the necessary reduction in application rate before January 15 of the following year. **Producers must have completed the application process and have been approved for program participation by their local NRD to be eligible for reimbursement.**

Application and Payment

Producers participating in NiRIA must be in good standing with the local NRD rules and regulations. Producers participating will be required to file one application per field. Applications must be filed with the local NRD and receive notification that their application has been approved to be eligible to receive incentive payments. Applications are available at: INSERT LINK and must be submitted to your local NRD prior to January 15 of each year (or the next business day if January 15 falls on a weekend day).

Each NRD will review and prioritize the applications based on available funding. Methods for application prioritization will be established by each NRD with applicants notified no later than March 15th whether their application has been approved or denied. A higher application ranking will be given to producers who incorporate the new innovative technology into their reduction practices. Those producers implementing new technologies must supply additional information to their NRD including the amount applied and the approved rate.

Documentation to establish the producer's baseline nitrogen application rate, practices that are planned to be used to achieve the application rate reduction, and the current year's nitrogen application rate are required on the application. Incentive payments will be made to participating producers after submitting the necessary documentation to support the decrease in nitrogen application that reflects the lesser of 40 pounds per acre or 15% of their baseline application rate to the NRD.

Steps to be eligible for NiRIA:

1. Submission of completed application for each field of interest to local NRD prior to January 15th of each program year including:
    a. Necessary documentation to local NRD prior to planting establishing each field's baseline nitrogen application rate:
        i. Priority A Areas will use previously reported NRD or crop report data.
        ii. Priority B Areas will need data required on local NRD phase II or greater reports for the prior 3 growing seasons, or complete advanced soil sampling, as established by the NRD, prior to the cropping season for which the incentive payment is requested.
        iii. Priority C Areas will need one, or both, of options unlined in Priority B Areas.
    b. Practices that are planned to be used to achieve the application rate reduction.
2. NRD notification to producer that application has been approved or denied by March 15th of current program year and clarify needed field documentation.

3. Prior to January 15th (or next business day if January 15th falls on a holiday or weekend) of next program year, producers must submit all necessary documentation showing application on fields or producer forfeits payments.
4. If the nitrogen application rate reduction achieves the program goals (reduction equivalent to the lesser of 40 pounds or 15%), payment will be made to the producer by the NRD before January 15th of the following program year.

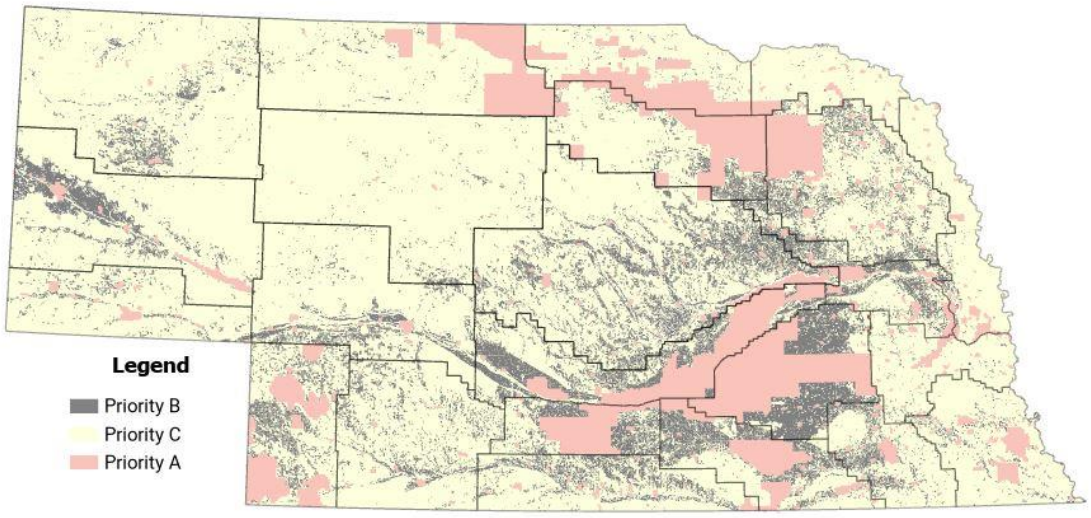


Figure 1. For general purposes only, the current distribution of Priority A, Priority B, and Priority C areas. Priority areas may be updated by each NRD through their rules and regulations. Contact your NRD for questions on which Priority Area you are in.

Additional NiRIA Information for NRDs

7/23/2024

Money for NRDs:

NRD	PriorityAB_Land	50Percent_Land	NRD Total
Lower Republican	12,222.93	21,739.13	$ 33,962.06
Tri-Basin	26,979.99	21,739.13	$ 48,719.12
Little Blue	34,331.81	21,739.13	$ 56,070.94
Lower Big Blue	9,415.70	21,739.13	$ 31,154.83
Nemaha	8,796.39	21,739.13	$ 30,535.52
Middle Republican	10,317.47	21,739.13	$ 32,056.60
Upper Republican	27,275.89	21,739.13	$ 49,015.02
Lower Platte South	4,350.51	21,739.13	$ 26,089.64
Upper Big Blue	73,392.44	21,739.13	$ 95,131.57
Central Platte	54,752.66	21,739.13	$ 76,491.79
South Platte	6,222.34	21,739.13	$ 27,961.47
Twin Platte	11,234.87	21,739.13	$ 32,974.00
Lower Platte North	16,319.60	21,739.13	$ 38,058.73
Lower Loup	42,236.27	21,739.13	$ 63,975.40
North Platte	17,829.23	21,739.13	$ 39,568.36
Upper Loup	2,555.89	21,739.13	$ 24,295.02
Papio-Missouri River	4,277.88	21,739.13	$ 26,017.01
Lower Elkhorn	34,890.45	21,739.13	$ 56,629.58
Upper Elkhorn	34,114.77	21,739.13	$ 55,853.90
Lewis & Clark	9,430.24	21,739.13	$ 31,169.37
Lower Niobrara	24,916.36	21,739.13	$ 46,655.49
Middle Niobrara	24,845.89	21,739.13	$ 46,585.02
Upper Niobrara-White	9,290.44	21,739.13	$ 31,029.57
Total	**$ 500,000.00**	**$ 499,999.99**	**$ 999,999.99**

Total funding currently available for the program is capped at $1 million. Each NRD will currently receive half the $1 million and then a separated allotted amount on top of that based on Priority A and B Areas. This table was created and reviewed with feedback from the NRD Managers Water Resources Subcommittee. Funding not utilized by NRD will be reallocated to a pool for those NRDs with unmet applications.

DRAFT Nitrogen Reduction Incentive Act (NiRIA) Producer Application

Name of Producer: _____

Primary Contact: _____

Primary Contact Phone Number: _____

Primary Contact Email (if available): _____

Name of Natural Resources District: _____

Are you already enrolled in a federal nutrient management plan? ☐No ☐Yes
If yes, list what program(s)_____

Type of Crop: ☐Corn ☐Sugar Beet ☐Potato

Legal Description (Submit one application per field**):** _____

Total Acres to Be Enrolled: _____Crop Year
_____

Will you apply manure or lagoon water to this field? ☐Yes ☐No

Please attach documentation with the known amount of nitrogen in manure or lagoon water.

Do you apply nitrogen in the fall? ☐Yes ☐No

Identify the practice(s)/ product(s) you plan to implement to achieve the commercial fertilizer rate reduction.

☐Biologicals (Example: *Proven40*)
☐Nitrogen use efficiency products (Example: *N-Time*)
☐Nitrogen Stabilizers
☐Nitrogen Leaching Inhibitors (Example Ingredients: *Dicyandiamide (DCD), Nitrapyrin, and Pronitradine*)
☐Chemigation/Fertigation
☐Cover Crops
☐Reduction in Nitrogen Application
☐Other Please Describe_____

Select type of documentation that will be used to determine baseline and to evaluate nitrogen reduction:

☐ NRD or producer crop reports (required for Priority A Areas),

☐ Submit all data required on local NRD phase reports for the prior 3 growing seasons (Priority B or C Areas),

☐ Complete advanced soil sampling, as established by the NRD, prior to the cropping season (Priority B or C Areas).

*Please note that NRDs may require additional information.

Applicant Signature (Receiving 1099): _____ **Date:** _____

Lower Platte Drought Consortium Meeting Notes

August 21st, 2024, 10:00 a.m. (Central Time)

3125 Portia St, Lincoln, NE 68521

Action Items/Next Steps: Highlighted throughout

Agenda

1. Welcome and Introductions
    A. Start: 10:10 AM

2. Update from State Climate office
    A. No update from Dr. Hunt

3. Condition Updates
    A. NRDs: Static Water Levels Data
        i. LPS
            1. Down 20 ft in Dwight city area, typical for this time of year. Lower salt creek is within 1 ft, and CPA are within a foot as well. No wells measured yet.
        ii. LPN
            1. Juan basin will be checked next week.
        iii. PMT
            1. No live data will be collected when fields start being harvested.
        iv. Municipalities
            1. LWS
                a. Better shape than last few years, Operation volumes showed 70% remaining at end of July, compared to last year's low 60s. Electrical outages caused Lincoln to issue brief conservation request due to outages at fields. Looking at how much of reduced demand was due to conservation request vs. rain impact. Discussion of generators for well fields is always in play, at key facilities in case of emergency. Unable to run entire plant of generators, it is to cost prohibitive. Continuing to work LWS Source 2, preferred sites for location and water treatment sites found, in conversation with property owners. Water 2.0 Platte river supply is going well with bulk of ARPA money

going that way. Installing redundant line across river and treatment plant.

2. MUD
    a. Well fields are in good shape; Omaha was hit hard by recent storms with significant outages. Standby power was able to cover the network during outages. No permanent damage to system but had one plant out for 5/6 days at one point. On downward side of demand cycle and now looking at maintenance. Peak day this year was around 176 MGPD, down from 199 last year. Plant maintenance varying from year to year to address demands and sourcing. There is a cap in place at Platte west, but the Municipality rarely gets close to hitting that cap. There has been a large amount of tree damage persists from recent storms.

B. NeDNR: Dashboard
    i. Looking good at the moment, SPI> -.9, PDSI: -2.9, but we favor the USDM, with a little bit of D0 conditions in the basin, with a dash of D1.
C. Current conditions / Administration updates
    i. Platte flows are steady, with north bend closing for a short period. Some key markers are showing lower flows, but not unusual for this period. May see a few high demand weeks prior to end of year due to late heat waves. A lot of corn is going into late season stages.

4. Proposed Plan update
    A. Summary (Attachment 4A)
        i. A list of significant updates to the plan
        ii. Most of the changes implemented are updated figures with new data or reworked text to indicate the second increment of the plan. Highlights include adding US drought monitor metrics, language referring to PRRIP, updated basin wide plan status, population figures, the projected future water change section to include new climate data.
        iii. The mitigation alternatives section has not been updated yet but will be when an agreement is reached. Previously rejected items will be moved to an appendix.
        iv. Communication language and triggers have been added.
        v. Mike S proposes setting deadlines for the review and comments for the plan updated to be submitted back to the DNR for edits.
            1. First review to be due at the September Meeting.

vi. DNR clarifies that the USDM will be the primary indicator for future decision making, but PDSI is to remain as a metric too look at.
    1. Daryl is worried that folks will look at the dashboard and see the constantly negative PDSI value and ask why we aren't doing more in such "drastic" reported conditions.
        a. DNR will tweak the wording to include PDSI as a factor, but not the key trigger.

B. Mitigation Actions
    i. Mitigation action comments are still pending from majority of consortium members.
    ii. If no more comments are filed, than DNR will put in broad place holder descriptions to qualify for grant funding.
    iii. LWS agrees that items should be considered for that addition, LPN expresses doubt of many options are unfeasible due to timelines.
    iv. PMT puts forward that general descriptions could be better in that it doesn't commit us to a certain action but allows for more room to consider options within each.
        1. Daryl asks when items will be thoroughly looked through and questioned.
        2. Philip thinks that we should each spend time for folks to assess their ideas of timelines.
    v. Mike mentions that during the first go around we talked through 5 or 6 items that we may want to implement, but decided they would not be implemented. Now that there are new items, is it deluding the actual intention to find drought solutions, and do we want to narrow it down to focus on. Looking at reports from DC, there will be federal funds to create ground water infrastructure for drought management.
C. Steve starts talking about how LWS has become much more resilient since the inception of the LPDC, and since the plan was intended to find a second source for Lower Platte water users. And we are going to be in better shape due to the funding brough by these actions.
    i. Mike brings up that the Platte drying may not be as much of an issue as it was, but it will still be impactful to have a drought and not have that security available.
    ii. This all is to address the feeling that the group hasn't done anything, but it had helped secure funds for current second source projects.
    iii. Ryan asks about room remaining to increase efficiencies in public water systems.

iv. Gene talks about how situations arise where all members will be struggling, drought conditions effect everyone, but continued action is still important to address drought issues.
v. Mike talks through how LPS did a study for new structures varying from 100-1200 acres on drought response, LPS could provide 500gpm over the wellfields. Allowing for assistance to the municipalities, but it must be constructed and built that way from the start. The potential structures could be very impactful to drought conditions while still providing flood protection along Salt Creek.
vi. Steve mentions the HDR analysis with retiming options, that it has to be big, and close. Some of these options were showing 100 cfs in the river, but that isn't as impactful since it would need to combat losses along the way. 500 cfs is where people get more excited, but where can we put that sort of facility nearby?
vii. Mike mentions that 12-16 new res. Could have a larger potential impact to contribute, and we would need to work with the state to make sure that folks don't use all the water from the releases before it gets here.
viii. Steve mentions the Fremont dewatering project but would need to study if it would impact their wellfields.
    1. Study required.
    2. Ryan mentions that local private lakes may have some things to say about lowering GW levels.
    3. Daryl wants to include Dewatering on the list
ix. Steve mentions that inclusion of importing water from the Missouri.
    1. Bell creek county commissioner said that would be a no go for that county.
    2. Philip mentions that the major issue for that canal is landowner buy in. Generally anti-gov.
    3. Talks of the west pulling water into the Colorado.
x. Gray water
    1. Steve says that it should remain until it is run to ground, but it is a popular option with certain groups. Some is being used.

D. Mike mentions that we create a priority list, with other options to remain as possible items.
    i. Philip offers that each meeting we go through three items to consider all factors.
    ii. The top picks right now are
        1. 12-16 reservoirs for salt creek flood protection.
        2. Water sense program.
        3. Fremont dewatering
        4. Graywater use

5. Drought education

iii. LPN has just implemented a water conservation sprinkler program with an outside company Rancho including rebates for installed units. It cuts off sprinklers prior to rains and is available in the shell creek watershed.
    1. Valid January 1, 2024 - December 31, 2024 (will likely extend this in annual increments based on demand)
    2. Smart predictive controller, soil moisture probes, or rain shutoff
    3. $100 (not to exceed actual costs)
    4. email or mail: form, copy of receipt, picture of product installed, W9
    5. form: name, address, private well or Public Water Supply, date purchased, cost
    6. Withing the Shell Creek watershed (including small areas outside of LPNNRD)
    7. Allow up to 45 days for payment and processing

iv. Discussion of education opportunities to inform about water conservation in partnership with local agencies.

v. Philip brings up the idea of metering lawns separately to potentially have two different rates for water use, more outside, less inside.
    1. Steve: separate meters would be tough logistically. And there is a conservation rate, with a formula used to estimate outdoor water use. And potentially having utilities look increasing incentive-based rates. And expanding it to the commercial users to incentivize water conservation by applying a higher rate for commercial users.
    2. Gene: there is a commercial irrigation rate at MUD, many commercial customers will separate production water and irrigation water to save on sewer rates.
    3. Philip: with current development around West Omaha, it would be easy to implement in new construction, you could see what the actual split on demand is.
    4. Gene: we are talking about EMI and EMR, but the south meters are getting compact enough that it could be easy enough to implement, getting near real time use, adapting to a “drought rate” when in drought conditions.
        a. Steve is interested in using it as a pilot program but may want to stop short on stating it as a priority in the plan.
    5. Gene asks Steve if AMI would be something that LWS is interested in, but as changing rates is a big deal, it may be daunting. But as water systems are so useful to the

community, it has shifted to being used to water lawns instead of delivering potable water to homes.
6. Philip thinks that doing a pilot would be helpful in order to assess if it could be a large factor in potential conservation gains. Because expansion is happening so fast, it could contribute to large reductions.
7. Steve: with the AMI system in place, the watering demands should shift towards more overnight use.
8. Car washes are mentioned and how they are popping up everywhere but are a potentially minor load.
9. Steve: commercial should be a greater focus as residential users have been unfairly penalized, and commercial has benefited from using the residential rates for irrigation water.

E. Comments on the plan updates will be back in time for the September meeting.

5. Future meeting dates:
   A. September (Virtual) (17th at 10 AM)
      i. Comments due back from Consortium members
   B. October
   C. November (ILCA) (19th at 10AM at the DNR)
      i. Adopting 5 year ILCA
      ii. Budget
      iii. Second increment plan

6. Adjourn: 11:35 am

Introduction

The Lower Platte North Natural Resources District (LPNNRD) is one of 23 Natural Resources Districts created in 1969 with the passage of LB 1357 by the Nebraska Unicameral. Since its formation in 1972, the LPNNRD has been assisting people in the Lower Platte River Basin in the development and protection of our soil and water resources. Nebraska Statutes require that Natural Resources Districts develop a Long Range Implementation Plan. The purpose of this plan is to summarize accomplishments by LPNNRD during fiscal year 2023 (July 1, 2023 to June 30, 2024). It will show activities for the current year and the next five years. The plan serves as an implementation tool of the district's Master Plan, which is updated every ten years. This Long Range Implementation Plan was approved by the LPNNRD Board of Directors on date.

Authority and Responsibilities

The Natural Resources Districts have been given statutory responsibility outlined in Sections 2-3229, R.R.S. 1943. In this section it states that "The purposes of the Natural Resources Districts shall be to develop and execute, through the exercise of powers and authorities contained in this act, plans, facilities, works and programs relating to: (1) erosion prevention and control, (2) prevention of damages from flood water and sediment, (3) flood prevention and control, (4) soil conservation, (5) water supply for any beneficial uses, (6) development, management, utilization, and conservation of groundwater and surface water, (7) pollution control, (8) solid waste disposal and sanitary drainage, (9) drainage improvement and channel rectification, (10) development and management of fish and wildlife habitat, (11) development and management of recreational and park facilities, and (12) forestry and range management."

Description of the District

Lower Platte North NRD programs and projects are available to meet the goal of properly developing our water and related land resources.

The Lower Platte North Natural Resources District is located in the Lower Platte River Basin in eastern Nebraska and includes 1,031,000 acres of land. A portion of Saunders, Butler, Platte, Dodge, Colfax, Boone, and Madison Counties are within the district (see Appendix A), which includes twenty-eight cities, towns, and villages. Besides the Platte River, other notable tributaries in the district include: Bone Creek, Clear Creek, Duck Creek, Elm Creek, Loseke Creek, Rawhide Creek, Sand Creek, Shell Creek, Silver Creek, Skull Creek, Taylor Creek, and Wahoo Creek.

The population of the district is approximately 65,000, of which about half is rural and half urban. The Lower Platte North NRD is financed by a tax levy which may be up to four and one-half cents per $100 valuation for general purposes and another one cent for water programs. The FY 2024 tax levy is 0.025767 cents per $100 valuation.

Governing Body

The Lower Platte North Natural Resources District (LPNNRD) is governed by a 19-member Board of Directors (see Table 1). The directors are elected at the general election for a term of four years, with half of the members up for election every two years.

The district is divided into nine (9) subdistricts. Two board members are elected from each of the nine subdistricts, and one board member is elected at large every four years.

Table 1. Lower Platte North Natural Resources District Board of Directors

Sub-District 1	Lon Olson
Sub-District 1	Kelly Thompson
Sub-District 2	John Goldsberry
Sub-District 2	Bill Saeger
Sub-District 3	Dave Saalfeld
Sub-District 3	Andrew Tonnies
Sub-District 4	Chris Yosten
Sub-District 4	Matt Bailey
Sub-District 5	Mark Seier
Sub-District 5	David Lawrence
Sub-District 6	Joe Birkel
Sub-District 6	Robert Hilger
Sub-District 7	Ryan Engel
Sub-District 7	Ryan Sabatka
Sub-District 8	Jerry Johnson
Sub-District 8	Vacant
Sub-District 9	Duane Johnson
Sub-District 9	Bob Meduna Jr.
At Large	Thomas McKnight

The district operates by a set of bylaws which are kept on file at the district headquarters at Wahoo, Nebraska.

One of the great natural resources of Nebraska is the Platte River. It is the feature that attracted early settlers to our state and guided the wagon trails. Today, we look at the Platte River differently. It is a water source for agriculture and cities like Fremont, Lincoln, and Omaha, a haven for wildlife, and a place for recreation. Issues surrounding the Platte are a top priority at the LPNNRD, since approximately 72 miles of the river flow directly through, or border, the district.

Ice Jam Agreement

In 1994, the LPNNRD entered into an agreement with the Papio-Missouri River NRD, Lower Platte South NRD, and Cass, Douglas, Sarpy and Saunders Counties to more effectively deal with ice jams and their resulting flood damages along the Lower Platte River. This area of concern is primarily from Fremont, Nebraska to the mouth of the Platte River. This group has pooled funds of $150,000 to retain a contractor to use explosives when needed, to remove ice jams in a timely manner.

During the winter of 2023-2024, there were no ice issues of concern on the lower Platte River.

Rock & Jetty Program

This program was developed to offer cost-share assistance to landowners to construct erosion control devices for stream bank stabilization and to assist Dike and Drainage Districts with maintenance of dikes along the Platte and Elkhorn rivers and perennial streams. In FY23, $15,000 was budgeted for projects on rivers & streams. We assisted four cooperators on maintenance projects in FY 23-24 at a cost of $13,107.55.

Platte River Basin Long Range Objectives

- For the current year and the next 5 years administer $15,000 - $20,000 for the Bank Stabilization Program to cost-share on priority stream bank stabilization for cooperators on the Platte and Elkhorn Rivers and Perennial streams. Promote riparian buffer zones along the Platte River and other perennial streams This includes assisting cooperators with meeting the regulations of the Clean Water Act through section 404 permits.
- Keep up to date on Clean Water Act and Endangered Species Act regulations.
- Continue as a member of the Joint Water Management Advisory Board, provide leadership and assistance to move forward with exploring flood reduction solutions within Dodge County.
- Continue to participate with the City of Fremont and Dodge County to study potential nonstructural measures to reduce flooding and economic losses from the Lower Platte River.
- Assist the City of Schuyler as they evaluate the need for future federal funding for completing structural and non-structural approaches to reduce flooding and economic losses from the Platte River through the LPNNRD District-Wide Hazard Mitigation Plan.
- Encourage cities and counties within the District to initiate floodplain management planning to promote wise floodplain development.
- Continue to partner & support the Ice Jam Agreement in potentially protecting against ice jams on the Platte River and budget annually, as needed, for the Ice Jam Agreement Fund.
- Assist dike and drainage districts within the LPNNRD to properly repair and maintain levy projects.
- Provide support financially and technically to the Lower Platte Weed Management Area in controlling noxious and invasive weeds.
- Support the Nebraska Land Trust in acquiring easements for the protection and preservation of quality lands throughout Nebraska.
- Continue to support the Lower Platte River Corridor Alliance as an active voting member.

GROUND AND SURFACE WATER

One of the Lower Platte North NRD's major responsibilities is to conserve and protect our ground and surface water resources. To accomplish this goal, the Lower Platte North continues to participate in water quality studies, ground water level monitoring, and water resource educational activities.

Groundwater Management Area

Current rules and regulations and the Groundwater Management Plan (GWMP) are available at the LPNNRD headquarters in Wahoo and on the district website at www.lpnnrd.org.

LPNNRD implemented a District-wide Groundwater Management Area (GWMA) on January 1, 1997, to address both water quality and quantity concerns.

- Spring of 2024 LPN started the process of updating its GWMP.
- In 1997, groundwater quality Phase I (education) regulations became effective for the entire District.

One primary rule in Phase 1 requires certification for fertilizer and water use.

- The District has developed a groundwater program emphasizing a protection-based approach rather than a reactive, corrective approach.
- The District has two Phase groundwater quality control areas, those being Bellwood in 2003 and Richland/Schuyler in 2004.
- A grant was received from the Water Sustainability Fund in November 2022.
- This grant conducted a geological assessment to go with the AEM flights along with offering cost-share for best management practices in the Schuyler - Richland Phase Area.
- In July 2023 a second WSF grant with LLNRD and USGS were approved to determine nitrate legacy from Richland to Fremont.

In June 2018, the District updated its Groundwater Rules and Regulations

- A Phase Four was added for Water Quality
- Water Quantity will manage water by consumptive use or acre feet limitations.
- As of July 1, 2023, the District had 9477 registered active wells with 4625 irrigation wells and 212 wells in the GWEL network.

There are two designated Special Quantity Subareas in Butler-Saunders Counties and Platte-Colfax Counties. The District mandated water flow meters, rolling allocations and annual reports in these areas starting in 2016.

A Lower Platte Basin plan with 7 NRDs and NeDNR was developed starting in 2017.

- An allotment formula in 5-year increments was implemented to determine the acre feet used for new water uses.
- The District completed its V-IMP in June of 2018 by adding an additional rule of requiring municipalities to report yearly water use
- The group updated the plan for next 5-years in 2022 with new allotments until 2027.

A Consortium for drought consideration was developed In 2016, made up of the 3 NRDs, Lincoln Water System (LWS), Metropolitan Utilities District (MUD), and the Nebraska Department of Natural Resources (NeDNR).

- A drought contingency plan was developed to maintain/mitigate sustainable water supplies to the Lower Platte River during drought conditions.
- Projects continue to be considered for supplying water into the Platte River

- A 5-year update will be completed in 2024.

Ground Water Quality Sampling

The Lower Platte North NRD continues efforts to develop a ground water quality inventory. The District has been divided into four primary aquifer regions: Todd Valley, Platte Valley, Shell Creek and the Uplands, and further divided into 26 subareas. These subareas are rotated for water quality sampling throughout the District Staff samples the same wells called the Statewide Network each summer, weather permitting, to determine long term trends for nitrate-nitrogen. The data collected is provided to the Nebraska Department of Environment and Energy (NDEE). NDEE in turn provides this to the Nebraska Legislature on an annual basis.

In 2023 samples were collected from 52 sites.

Year	Nitrate-Nitrogen Range	% Nitrate-nitrogen 0-8.0 ppm	% Nitrate nitrogen 8.01-10.0 ppm	% Nitrate nitrogen > 10 ppm
2023	0 - 20.6 ppm	67% (35 of 52)	12% (6 of 52)	21% (11 of 52)

Samples for pesticide analysis were collected from ten of these sites (19%). The pesticide analysis was for a suite of 25 parameters, and all results were less than reporting level.

Ground Water Energy Level Monitoring Network

One of the responsibilities of the NRDs in the State is to monitor fluctuations in groundwater levels. With the help of area cooperators, a ground water energy level (GWEL) monitoring network has been established in the LPNNRD. This monitoring network has been established to obtain a better understanding of the groundwater levels throughout the District. As of Spring 2024, the LPNNRD had 212 wells in the GWEL monitoring network. These wells are monitored each spring and fall, with selected wells also measured in late August.

The LPNNRD compares the latest spring reading to the 1987 base-year to determine if a subarea needs to be declared a Level 2 or Level 3 groundwater management area. Level 2 and 3 management areas require flow meters on wells, annual reporting of water use, and establishment of acre-inch allocations. For the 26 sub-areas within the District, 19 subareas are currently at Level 1 management, while the other 2 sub-areas still need additional information before these can be designated. Sub-Areas along the Elkhorn and Platte Rivers are showing some of the wells reaching Level 2 and 3 management. The District prefers at least three years of data before the subarea can be designated as a Level 1, 2, or 3 management area.

Fall readings in 2023 and Spring of 2024 showed a decline from the previous year's measurement. This change was the continuing lack of moisture in the last 2 years. Spring readings in 2024 showed a 1.17 feet lower of the wells measured compared to Spring of 2023. Each aquifer sub area showed a decline from the previous year.

Chemigation

Chemigation is the act of injecting chemicals into the water line of an irrigation system that is then applied onto the crops. It is considered to be one of the most efficient ways of applying essential nutrients in times when the crop is uptaking the most amount of nitrogen through its

growing stages. In order to chemigate, a licensed permit holder must obtain a permit through the Lower Platte North NRD. Special equipment must be installed to protect Nebraska's groundwater from possible back-flow of chemicals into the groundwater source. To obtain this permit, which is administered through NDEE, you must pass the Chemigation Certification test. This test is conveyed and taught through the University of Nebraska-Lincoln's certification program. There is an online test option available to producers. The chemigation equipment must be properly equipped, inspected and approved by the NRD before applying any chemicals.

Chemigation Permits	Total	Renewal	New	Emergency
July 2023	704	643	61	0
July 2024	708	652	56	0

In 2014, the Legislature approved changes to Title 195 that would allow individual NRDs to set chemigation fees. Chemigation fees for LPNNRD are as follows: $90 for a New permit, $30 for a Renewal permit, and $300 for an Emergency permit. Inspections are required on equipment for new permits. Renewal permits are inspected on a three-year rotation. Failure to renew by June 1st of the following year will cause the permit to lapse. If a renewal permit lapses, the producer must obtain a new permit and an inspection is required.

Decommissioned (Abandoned) Wells

Abandoned wells are a health and safety concern and have been ruled as illegal by the Nebraska Legislature. A well not used for three consecutive years or one which is no longer useful is considered to be abandoned and needs to be properly decommissioned.

The Lower Platte North NRD offers up to 75% cost share assistance to landowners to properly decommission abandoned water wells. In addition, the district will assist with up to 75% of the cost for pump and obstruction removal on domestic and stock wells. To receive cost share assistance, the actual decommissioning must be performed by a certified well driller or pump installer. The landowner has six months from the time of application to accomplish this task unless good cause is shown.

Since 1992 the district has administered local and state cost-share dollars to decommission 749 wells. Through this program in FY 23-24, a total of $15,117.00 was administered by LPNNRD for the plugging of 15 wells.

Flow Meter Maintenance Program/Readings

Since 2008, the LPNNRD has implemented the requirement of installing a District approved flow meter on any new or replacement well. Thereafter in 2012, the District also required the installation of a flow meter on any expansion of acres from an existing well. This pumping information is invaluable to the District to know what has been pumped during years of extended drought. It is vital that the LPNNRD keeps track of this going forward into the future. In order to know the volume of water within our aquifer systems, we need to know the water that is being extracted.

Along with the irrigation wells, the LPNNRD also records meter readings from all of the municipality wells within the District including MUD, Lincoln and Fremont. Livestock wells and commercial wells are required to report if the well was drilled after the 2012 requirement date. Over 1,200

readings are recorded annually throughout the LPNNRD District. The district provides funding for meter maintenance on approximately 1,150 irrigation well flow meters that are getting routine maintenance once every four years.

Registered Wells and Well Permits

The Nebraska Legislature declared that conservation and the beneficial use of ground water are essential to the future well-being of the State. State Law requires that all water wells in the State of Nebraska be registered with the Department of Natural Resources. Wells that are not registered are illegal and should be registered as soon as possible. A breakdown by decade from 1970 to present shows the growth of active irrigation wells in the District.

Table of Active Irrigation Wells within LPNNRD compiled by Completion Date

Date	Number of Active Irrigation Wells in the District
December 31, 1970	1,428
December 31, 1980	2,756
December 31, 1990	3,241
December 31, 2000	3,686
December 31, 2010	4,307
December 31, 2020	4,554
July 1, 2024	4,625

From July 1st, 2023 to July 1st, 2024, the District has issued 33 well permits with 30 for new and replacement irrigation wells.

Special Studies

The LPNNRD has done a number of studies within the District. The following is a summary of studies that are currently being conducted within the District.

Aquifer Vulnerability Mapping and Analysis

- To collect and analyze data within the LPN Water Quality Management Areas for nitrates and source of nitrate.
- Vadose soil sampling analysis to assist in determining the amount of nitrates in soil and pore water present in the unsaturated zones above the water table.
- A nitrate tool was developed utilizing the data, along with geological information to assist in determining vulnerability.
- Age dating of groundwater was conducted in 2023 with results at the end of 2024.
- The analysis is now being conducted in the Shell Creek Aquifer Region

3D Airborne Electromagnetic (AEM) Hydrogeologic Framework and Assessment

- Papio-Missouri River NRD, NeDNR and LPNNRD started a study in January 2021 to assess AEM survey information, well logs, and other geological information.
- The data is available for staff to characterize different geological layers and assign variables such as hydraulic conductivity.
- This data is being utilized for groundwater modeling to better understand, assess, and forecast groundwater. Completion of the groundwater model for the Lower Platte River Basin is planned for early 2025.

Lower Platte River Consortium Study

- This study looked at long term water supplies in the Lower Platte River Basin, and the ability to enhance streamflow, especially in drought conditions.
- Sustaining water in the river would also provide a benefit to wildlife and agriculture by lessening the likelihood of a 'call' on the river.
- The plan was completed in Spring 2020 with the group now in the process considering the options from the plan to determine the feasibility of projects.

Eastern Nebraska Resources Assessment

- LPNNRD is a partner in the Eastern Nebraska Water Resources Assessment (ENWRA).
- The ENWRA study has been utilizing Airborne Electromagnetic (AEM) over eastern Nebraska to better model the geology of the glaciated portion of the State.
- The flights and the results can be found on the ENWRA website at (www.enwra.org).

Certifying Acres

In July 2009, the District signed a contract with gWorks (formerly GIS Workshop) to develop a database of county assessor records as the preliminary step to certifying irrigated acres. As of January 2022, the majority of the irrigation in the district has been cataloged. The District is still granting new irrigation development with verification by aerial photography and accurately modeled before entering into the database. Acre certification provides an inventory of the irrigation needs of the District, which is an important part of present and future groundwater management and planning. In addition to cataloging irrigated acres, LPNNRD staff have been actively working with the Nebraska Department of Natural Resources (NeDNR), as well as local landowners, to bring all irrigation wells in LPNNRD into compliance with Nebraska Revised Statute 46-602 (7).

Nebraska Ordnance Plant Water Pollution Clean Up at Mead

During the 1940s, 1950s and 1960s, an Army Ordnance Plant near Mead was used to assemble bombs and served as an early Atlas Missile ICBM site. Over time, the soil and groundwater at the plant site became polluted with various explosive residues and solvents. The cleanup has been divided into three basic project areas: Soils (OU1), Ground Water (OU2), and Building contamination (OU3). This area has been under study by the Army Corps of Engineers (COE) since 1988. An open house was held by the Corp, May 2024, with annual tours and open houses conducted regularly.

Wellhead Protection Program

The LPNNRD implemented a wellhead protection program in FY 2001. The goal of the program is to minimize potential polluting activities on the land surrounding a community's public water supply well(s). The District has identified 22 communities with public supply wells and they have been encouraged to become involved in the program. The Communities of Newman Grove and Platte Center received a Source Water Protection Grants to re-evaluate and approve their wellhead management areas. The LPN is working with these communities along with assessing the nitrate issues along the Shell Creek Region.

Rural Water Districts

In recent years, the District has worked with communities who have had difficulties with water quality and quantity by forming two rural water systems. The Butler County system linked the village of Bruno in 2006, who was having water quality and quantity problems, to David City. Also in 2006, the Saunders County system linked the village of Colon, who was experiencing water quality concerns, to Wahoo. The LPNNRD operates both of these systems. The District

purchases water from the larger communities and delivers it to the smaller communities; RW staff manage and maintain Colon's system and billing while Bruno manages their infrastructure and household billing. Both systems are designed to serve rural customers along each service route. Combined, the two systems serve over 135 households in Saunders and Butler Counties. To address fiscal concerns both RWDs have implemented a phased rate increase strategy to more diligently manage the financial standings of both districts. The District has been in contact with several other communities and anticipates several more communities and rural customers to be serviced by rural water systems in the future as rural communities face an increased burden at providing adequate quantity, and quality, water while maintaining aging infrastructure. Both systems are greater than 10 years old and repairs/replacements of meters is expected to take up RWD staff's time in 2024-25 as a number of meters and components are nearing the end of their expected service life.

The Environmental Protection Agency (EPA) revised the Lead and Copper Rule in 2022 and required all PWS to submit a lead service line inventory. This inventory takes into account all water service line from transmission main to first service connection within households. This has required multiple contacts with homeowners and will be a living document to be updated in perpetuity.

Geographic Information System (GIS)

The District has incorporated the use of Geographic Information System (GIS) technology into most district functions, including the certification of irrigated acres, maintenance, project planning, modeling of groundwater availability, and the movement of contaminants such as nitrates through the soil profile. In addition to in-house GIS activities, LPNNRD GIS staff assist a variety of partners, including projecting FSA aerial photography into Nebraska State Plane Feet coordinates for NeDNR, custom authoring of maps for the Nebraska Land Trust, coordination of helicopter flight lines for invasive species control with the Lower Platte Weed Management Area, and helping other NRDs with GIS questions as they emerge.

LPNNRD's database allows for quick and efficient lookup of any information pertaining to any project or cost share that has been completed for any constituent with land in LPNNRD.

As drone technology continues to evolve, LPNNRD has added a SkyDio2 Autonomous Drone to its inventory.

Ground and Surface Water Long Range Objectives

- Continue groundwater quality sampling throughout the LPNNRD, both the State-wide network and intensive sampling of selected regional aquifers. To work with other agencies on assessing legacy nitrate.
- Continue water quality education programs based on the goals and objectives of the LPNNRD Groundwater Management Area, which includes LPNNRD certification classes for landowners, municipal, and industrial water users.
- If needed, designate further Phase II, III, and IV boundaries for the Groundwater Quality Management Areas.
- Continue with nitrogen application demonstrations and participate with demonstrations on integrated pest management and sustainable agriculture.
- Assist in the proper decommissioning of water wells in the district by administering state and local cost-share funds to decommission abandoned water wells.
- Continue measurement of ground water energy levels in the district and if necessary designate

new Special Quantity Subareas (SQS).

- Continue to cooperate with the United States Geological Survey (USGS) in monitoring surface water levels and the Eastern Nebraska Water Resources Assessment (ENWRA) for groundwater geological assessment including AEM flights.
- Maintain a multi-agency groundwater energy level monitoring network in the Wann Basin of the Platte Valley north of Ashland to pool information from different agencies collecting water level data. This information is being used by the COE and MUD to refine their groundwater modeling efforts.
- Continue to implement the Chemigation Program to inspect safety equipment on permitted irrigation systems in the district. Educate the need for check valves in protecting the aquifer from contamination.
- To finish the development of a groundwater model to assist in management for each sub-area. Additional information on water use from all wells will be needed for accurate information. Initiate additional studies to identify vulnerable aquifers and modify GWMA rules and regulations to protect these aquifers and their long term sustainability.
- Continue using AEM (airborne electromagnetic) information to analyze bedrock aquifers both in water quantity and water quality. Test holes and monitoring wells will have to be installed and sampled to determine these as a possible source of usable groundwater. New management strategies need to be developed for these aquifers such as summer trigger levels for confined bedrock aquifers, especially if these are hydrologically isolated from overlying alluvial aquifers.
- Utilize the completed Lower Platte River Consortium Study for possible locations for recharge and reservoir sites to better convey water downstream in the watershed.
- Continue to update the Groundwater Management Plan to include Integrated Management of surface and ground water and to consider drought concerns.
- Expand the GWEL network wells in criteria subareas and to have continuous recording monitoring and real-time reads wells in each sub-area to better manage the resource.
- Continue to assist District communities who have difficulties with water quality and quantity by helping determine rural water system feasibility including the Saunders County Rural Water System study. .
- Keep abreast of updates and new iterations of neighboring NRD studies.
- Continue working on projects identified and keeping updating quality objectives in the Watershed Quality Plan. Partner with state agencies in conducting these projects.
- Continue with the District's Well Permitting Program and Variance Process throughout the District. Ultilize submitted water use data in this process and identify registered and unregistered wells.
- Provide information and education on water conservation, integrated pest management and safe disposal of farm and household chemicals.
- Assist in working with NRD's on activity of State and Federal Agencies, new research, and Legislative issues.
- Continue to install flow meters on irrigation wells that are required by GWMP and obtain grants for cost share for water flow meters,
- Continue with the process of updating the certification of irrigated acres and encourage producer participation in online reporting for entering their data to improve efficiency and quality of data.
- Continue to monitor clean up efforts by the COE at the Former Ordnance Plant at Mead, Nebraska and any other clean up efforts. To work with the COE to establish spacing requirements for future high capacity irrigation, industrial, and/or municipal wells that are requesting to be installed near known contaminant plumes from the Former Ordnance Plant

near Mead, so these wells will not interfere with the COE's clean up efforts.

- Review livestock permits from NDEE.
- Investigate irrigation runoff and groundwater management area complaints as needed.
- Continue to provide equipment and data for localized weather throughout the District.
- Communicate with well drillers and pump installers on water concerns within the District.
- Improve irrigation and nitrogen efficiency by working with UNL Extension and other agencies

SOIL CONSERVATION & LAND TREATMENT

In response to the Erosion and Sediment Control Act (LB 474), passed in 1986, the Natural Resources Commission developed the Nebraska Soil and Water Conservation Strategy. This strategy outlines a course of action for efficiently conserving and managing the state's natural resources. A number of significant rain events in 2024 caused an increase in erosion/sedimentation complaints. No violations were filed.

The Lower Platte North NRD administers the Erosion and Sediment Act and has patterned its local program after the state strategy. The district administers state and local cost-share funds through Soil and Water Conservation Programs (SWCP) to offer incentives to producers for installation of land treatment practices. LPNNRD staff also worked with NRCS staff to utilize Farm Bill Programs to repair erosion problems.

Soil and Water Conservation Programs (SWCP)

Under Soil and Water Conservation Programs (SWCP), the LPNNRD allocated $83,029.99 of state funds (Dept. Natural Resources) for land treatment practices during fiscal year 2024 in cooperation with 12 different landowner projects. In addition, two new Buffer Strip contracts were administered with $9,587.23 in state funds.

For fiscal year 2025, $83,058.36 of state funds (from the Nebraska Department of Natural Resources) and $25,000 of local funds will be allocated for soil and water conservation practices through the LPNNRD Lands for Conservation Program (LFC). The LFC program offers landowners a per/acre payment to set aside production ground to allow for summer construction. This lessens the burden on the fall construction season allowing more conservation work to be implemented.

Wahoo Creek Water Quality Land Treatment Efforts

Wahoo Creek in Saunders County, Nebraska, has resided on the Environmental Protection Agency's (EPA) list of impaired water bodies for decades. To address the impaired status of Wahoo Creek, LPNNRD in partnership with the U.S. Environmental Protection Agency (EPA) and the Nebraska Department of Environment and Energy (NDEE) developed the Wahoo Creek Watershed Water Quality Management Plan in 2013. These plans are updated every 5 years and the District is in the process of completing another update. This plan identifies goals to reduce excess phosphorus, nitrogen, soil sediments, and E. coli bacteria in the Wahoo Creek Watershed. This plan meets the EPA's requirement of containing "Nine Elements" of an effective watershed management plan. The plan identifies water quality goals to protect and enhance the quality of all water resources within the Wahoo Creek. Sub-watersheds within the Wahoo Creek Watershed were prioritized for future water quality projects. LPNNRD in partnership with EPA, NDEE, and the Natural Resource Conservation Service (NRCS) identified four Wahoo Creek sub-watersheds as National Water Quality Initiative (NWQI) areas to receive special EQIP and EPA 319 funding for landowners to complete conservation practices to help achieve the numerous identified water quality goals.

The NRD and the local NRCS field office have moved forward with creating a partnership position for a Watershed liaison/Source Water Specialist to help implement BMPs that are inline with the shared agency's water quality mission.

Shell Creek Watershed Water Quality Land Treatment Efforts

Shell Creek is a major tributary of the Lower Platte River. Land use in the approximately 305,000 acre watershed is predominantly row crop agriculture. Portions of Shell Creek are on the Environmental Protection Agency's (EPA) impaired waters list. The most notable impairments include *E. coli* (bacteria) and Atrazine.

The Shell Creek Watershed Improvement Group (SCWIG) is a volunteer committee that formed in 1999 to lead local efforts to identify problems and to promote implementation of conservation practices to improve water quality in Shell Creek. This evolved into an advisory group to LPNNRD continuing to provide local leadership toward reducing erosion and water quality impairments in the watershed. A community-based planning approach was used to gather input from the citizens of the watershed for development of the Shell Creek Watershed Environmental Enhancement Plan that emphasizes combinations of practices that improve water quality.

Over the past 25 years, the Shell Creek Watershed has benefited with over $2 million in EPA Section 319 funds combined with approximately $4 million in partnering federal and local funds for assisting landowners in establishing Best Management Practices on their farms. These efforts resulted in Shell Creek becoming the first agricultural watershed in the nation to have a segment delisted for atrazine contamination in FY 2018.

In FY 2023, the NRD secured $779,000 in grants from EPA/NDEE Section 319 and the Nebraska Environmental Trust (NET). These grant dollars matched with local funds are expected to yield over $1.4 million of water quality work in the watershed over the next three years.

Erosion and Sediment Complaints

The LPNNRD responds to occasional erosion and sediment complaints. In most cases, these complaints are resolved before going through the formal complaint process. Many cases are drainage issues that are resolved between the District and landowners. During FY2022 NRD staff was subpoenaed on a case between two neighbors that could not be resolved amicably. The case has yet to be resolved as both parties continue to work together. The area received multiple, intense, rain events during the spring/summer of 2024. The NRD was contacted by multiple landowners with complaints. No violations were noted.

Soil Conservation Long Range Objectives

- Use technical assistance from the NRCS in the planning, design, construction, and maintenance of conservation measures applied to the land.
- Use Federal, state, and local funds to promote and implement land and water treatment projects in priority areas of Wahoo Creek Watershed to reduce erosion and improve water quality. The NRD plans to coordinate with local NRCS through the National Water Quality Initiative (NWQI), NDEE's 319 program, and local funding efforts to achieve the goal.
- Continue encouraging the implementation of summer conservation construction utilizing federal funding within the Wahoo Creek Watershed through the Lands for Conservation program
- Administer $83,058.36 of State NSWCP funds and $25,000 of local cost-share and grant funds to landowners for the construction of terraces, tile outlets, waterways, diversions, small dams, planting of permanent vegetation, and maintaining water quality.
- Continue to promote conservation tillage measures, pasture & range management, sustainable agriculture, and the Conservation Reserve Program (CRP), through news releases and the district's newsletter.
- Recognize the Outstanding Soil and Water Conservationists.
- Continue to assist landowners in resolving soil erosion and sediment complaints.
- Provide financial support and staff time to conservation education activities.
- Continue to work closely with locally-led conservation groups to promote soil and water conservation throughout the district.
- Partner with the Shell Creek Watershed Improvement Group (SCWIG), EPA/NDEE, NET, and

NRCS toward continuing implementation of Best Management Practices in the Shell Creek Environmental Enhancement Plan Implementation.

- Work with NRCS, NDEE, NET, Saunders County, and the Wahoo Creek locally led Steering Committee in pursuing additional federal and state funds to assist with land treatment practices as defined in water quality objectives in the Wahoo Creek Watershed Water Quality Plan.
- Assist with the formation of local landowner advisory steering committees in the Wahoo and Bone/Skull Creek Watersheds for planning soil & water conservation practices and flood reduction.
- Please combine current year objectives with the projected five year objectives.
- FY 2024-2028 Soil Conservation Long Range Objectives (Sean DONE, Ryan DONE)
- FY 2025-2029 Soil Conservation Long Range Objectives (Sean, Ryan) DONE
- Maintain existing land treatment practices and programs.
- Continue to work with all counties in the district to reduce roadside erosion.
- Administer NET and NDEE/EPA 319 Grant Programs to improve water quality throughout Wahoo Creek, Shell Creek, and the Lower Platte River Corridor Alliance priority watersheds.
- Look for new and innovative soil and water conservation methods.
- Partner with NRCS, UNL Extension, and landowners to improve all aspects of their water and soil quality.
- Continue to support the Land and Range Judging Contests.
- Continue targeting SWCP land treatment program funds for priority watersheds in the District.
- Use existing and new technology and GIS software programs for implementing and promoting soil conservation practices.
- Promote the use of and make available soil surveys and land use information.
- Continue to support Locally Led Landowner Groups to promote and implement soil and water conservation practices.

Projects have been completed in priority areas in the LPNNRD to help reduce flooding and provide grade stabilization. Projects have been completed in Bellwood, Clear Creek, Cottonwood Creek, Sand and Duck Creek, Swedeburg, and Rawhide Creek watersheds. Current high priority flood reduction areas include Bone Creek, Shell Creek, Skull Creek, and Wahoo Creek watersheds. On federal and state projects where the LPNNRD acts as project sponsor, the district obtains land rights and is also responsible for operation and maintenance activities on these projects after they are built.

The LPNNRD offers local assistance for the construction of small dams that can help counties and/or landowners protect county roads, control erosion, and provide water for livestock and wildlife.

Wahoo Creek Flood Reduction Efforts

The NRD is currently in the process of building nine flood reduction dams in Wahoo Creek watershed, estimated to cost $19.7 million in 2020. Federal (WFPO) and state funds (JEDI) are expected to fund the entire project including planning, design, permitting, land rights, construction, and construction oversight. All necessary land rights, and permits have been acquired for first three sites. Construction will begin in Fall 2025 on sites: 26a, 26b, and 27. Construction is expected to begin in FY2026 on the remaining seven sites: 55, 66, 77, 84, 86, and 86. Completion of all nine dam sites is anticipated by the end of FY28.

Sand Creek Environmental Restoration Project (Lake Wanahoo)

With the invaluable assistance of numerous local, state, and federal partners, 2011 witnessed the completion of construction on Lake Wanahoo's earth embankment. The breakwater feature and the fisheries component were completed a few years prior to the embankment. Recreation components were completed for Lake Wanahoo in FY2011. Construction of seven upstream flood reduction/environmental enhancement structures were completed in FY12-14. In FY19, LPNNRD assumed Lake Wanahoo's recreation management responsibilities from the Nebraska Game and Parks Commission.

Operation and Maintenance

District staff complete annual inspections on 45 watershed structures and special projects in the District.. These inspections help detect problems before they become serious. Annually, noxious weeds and volunteer trees are sprayed, debris removed, fences repaired, on dams & Clear Creek Levee, and the Rawhide Ditch System, and risers unplugged on dams. The District is currently working with NRCS and a Engineer Consultant in the rehabilitation of dam Cottonwood 21-A.

Army Corps of Engineers 205 and GI Flood Studies

Over the past many years, the District has partnered with local entities and the US Army Corps of Engineers to study flood protection alternatives for their areas. In 2004, LPNNRD partnered with Fremont, Inglewood, and Dodge County to look at a potential levee project to remove areas from the Platte River 100-year ice induced floodplain. In FY 2017, the Fremont study evolved into a General Investigation (GI) Study which determined that there is not a feasible structural solution (levee) to the City of Fremont's flood threat from the Platte River. In 2018 the GI Study evolved back to a 205 Non-Structural Study for the City of Fremont and Dodge County. The Non-Structural effort will continue in FY 2025.

In 2005, LPNNRD entered into an interlocal agreement with the City of Schuyler to evaluate levee protection options to protect the city from flooding from the Platte River and Shell Creek. In FY

2012, the Schuyler 205 Study was completed and entered into the project design phase. In FY 2014 the design phase was completed and LPNNRD assisted Schuyler with obtaining needed land rights for the Shell Creek Levee portion of the project which began construction activities in the spring of 2014 and most construction activities were completed in the fall of 2015. LPNNRD continued to assist Schuyler in FY 2018 with closing out the project with the Army Corps of Engineers. Schuyler continues to do a great job in maintaining the levee.

Flood Control and Damage Reduction Long Range Objectives

- Continue with accelerated land treatment efforts and flood reduction opportunities in identified priority watersheds, Shell Creek, Skull & Bone Creek and Wahoo Creek in the District.
- Budget staff time and funds to complete annual and/or biennial inspections and maintenance such as spray noxious weeds & cut and treat trees on 45 dams, Clear Creek Levee, and Rawhide ditch and other project sites.
- Develop a long term plan for Operation and Maintenance costs associated with large structures.
- Continue to be an active partner on the Joint Water Management Advisory Board to explore flood reduction and drainage solutions in portions of Dodge County City of Fremont and complete the Rawhide Watershed WFPO Planning efforts.
- Partner with the City of Fremont, Dodge County, and Papio-Missouri River NRD to fund operation and maintain established USGS cameras at 5 locations and 2 stage-only water gauges along the Lower Platte River.
- Partner with Dodge County and City of Fremont on FEMA Drainage Improvement Projects.
- Continue to educate Cities, Counties and public on watershed management and flood reduction and to accept and implement Floodplain Management Authorities.
- Cooperate with landowners and counties in evaluating small dam sites for cost-share throughout the district.
- Continue to partner with the Army Corps of Engineers, FEMA, City of Fremont, Englewood, and Dodge County on exploring non-structural opportunities for feasible flood control solutions and the Hazard Mitigation Plan Flood Resiliency study.
- Support the City of Schuyler for exploring non-structural opportunities for feasible flood control solutions from the Platte River through the LPNNRD District-wide Hazard Mitigation Plan.
- Work with Communities, Counties, and other entities on projects identified in our District-wide All Hazard Mitigation Plan.
- Commit funds and staff time to complete flood water control/reduction plan and complete easement acquisition for all ten Wahoo Creek Watershed flood reduction dam sites.
- Begin construction on Wahoo Creek Dam Sites 26a, 26b, and 27, complete engineering designs on Wahoo Creek Dam Sites 55, 66, 77, 82, 84, 85, 86 and have them completed by 2028.
- Continue to update LPNNRD's district-wide All Hazard Mitigation Plan and assist District Communities in evaluating future flood protection for their communities
- Partner with NRCS and hired HDR through the Dam Rehabilitation program to rehabilitate dam Cottonwood 21-A.

The district administers several programs designed to enhance the region's forest, range, and wildlife land, including the Tree Planting Program, Wildlife Habitat Programs with Nebraska Game & Parks and Pheasants Forever, SWCP Program, and Mitigation Program.

Tree Program

One of the most visible and popular programs offered by the LPNNRD is the district's tree planting program. As a direct result of this program, begun in 1973, an estimated 890,100 trees and shrubs have been planted in the district. Trees and shrubs may be obtained from the NRD for windbreaks, shelterbelts, wildlife habitat, woodlots, and Christmas tree plantings. Besides providing a planting service, the NRD also designs tree planting plans and offers technical advice on ground preparation for tree sites.

During the spring of 2024, 16,875 trees and shrubs were distributed to District residents. Of this total, 9,886 were planted by the NRD field crew at 10 sites.

Wildlife Programs

Lower Platte North continues to encourage landowners to set aside land for wildlife habitat by using Federal Programs and Programs provided by Nebraska Game & Parks and Pheasant Forever.

Community Forestry Program

In FY 2023-2024 LPNNRD donated 900 tree seedlings for the District's annual Spring Conservation Sensation; the Fremont EcoFair and Newman Grove School. The District budgets $2,000 for Community tree development projects. The District did not assist a Community during the fiscal year.

Forestry, Range and Wildlife Habitat Long Range Objectives

- Plant and distribute conservation trees and shrubs through the district's Tree Planting Program with hopes of increasing the program each year..
- Continue to include tree planting as an eligible cost-share practice under the SWCP program.
- Offer trees and give staff presentations to elementary students across the district.
- Continue to promote Wildlife Habitat programs in cooperation with the Nebraska Game and Parks Commission and other partnering entities as opportunities arise.
- Assist cooperators with signing up for Wildlife Programs.
- Provide information and education on tree planting, woodland management, grassland management, and proper wildlife habitat enhancement through media, tours, and schools.
- Provide cost-sharing for the conversion of cropland to grassland through the SWCP program.
- Cooperate with Pheasant Forever Chapters to enhance wildlife habitat and establish windbreaks.

Czechland Lake Recreation Area

Czechland Lake Recreation Area is a multipurpose project located one mile north of Prague, Nebraska on Highway 79. Flood control, recreation, and education are the main benefits of the project. Located at a convenient distance from Omaha, Lincoln, Fremont, and Wahoo, the 85 surface acre lake is situated on 265 acres of public access land operated and maintained by the LPNNRD.

State park permits and fees are not required for entrance to the area. Czechland Lake has 11 electrical camper pads at an $18/night fee for the use of a camping pad. There are also three non-electrical pads. A Nebraska Fishing License is required for anglers. The lake fishery is managed by the Nebraska Game and Parks Commission, which stocks and monitors fish populations.

Originally built as one of twelve floodwater structures in the Cottonwood Creek Watershed, Czechland Lake has developed into one of the area's most popular recreation spots. The reservoir and recreation area development was built at a total cost of $1.8 million. Funding for the project was shared by the Nebraska Natural Resources Commission, Saunders County, USDA Natural Resources Conservation Service, and LPNNRD. Grant monies from the U.S. Environmental Protection Agency have been used to reduce nonpoint source pollution entering the lake and to provide educational resources.

The Czechland recreation area is extensively used each year generating between $8,500 - $10,000 in camping revenue. Mowing, trash removal, repair, and upkeep of park equipment, and thistle control kept LPNNRD park staff very busy during the spring and summer.

Homestead Lake (Skull Creek Site #55)

Construction was completed on Homestead Lake in 2001. The dam offers flood control for nearby communities, and has been developed for public recreation. Recreation facilities include a shelter, restroom, picnic areas, a boat ramp, and hunting areas. FY 2024 proved to be another very popular year for recreationists as the area was extensively used.

Lake Wanahoo

Work was completed on recreation facilities at Lake Wanahoo one mile north of Wahoo in FY 2012. Recreation facilities at the 1,600 acre site straddle the 662-acre lake, with camping and boating access on the west side and a day use area on the east. A rocked hiking/biking trail winds throughout the park, linking the east and west side recreation areas over a breakwater levee one mile north of the dam. Mowed trails north of the levee provide access to undeveloped areas set aside for wildlife habitat.

The camping area contains 75 camper pads, 54 tent camping sites, and 6 primitive cabins. All camper pads are equipped with electrical hookups and are rock surfaced. All sites have fire rings and picnic tables.

The recreation area offers access to two large boat ramps wide enough to accommodate four boats at a time. Boating on the entire lake is no-wake only.

The day use area on the east side of the lake has two large picnic shelters and two smaller ones, all offering scenic views of the lake. In FY 2017 a dump station for RV's was constructed on the east day use area as well as a disc golf course/nature educational trail.

Both the camping and day use areas provide excellent fishing access, with a total of seven fishing jetties. One jetty on each side has an attached handicapped pier. The lake was stocked with largemouth bass, bluegill, blue catfish, crappie, northern pike, and walleye beginning in 2008. Limited hunting opportunities will continue to be available at Lake Wanahoo through the Game & Parks Commission PATH Program, where adults can schedule a time to mentor a youth hunter at designated hunting sites north of the recreation area. An operation and maintenance plan was developed with the assistance of the Nebraska Game and Parks Commission and Pheasants Forever in FY 2014 which identified activities that were implemented in 2015 .

In FY 2019, LPNNRD assumed the responsibilities of administering Lake Wanahoo as a public recreation area from the Nebraska Games & Park Commission.

In FY 2020, the Clint Johannes Education Building was completed on the day use portion of the recreation area. This facility provides a protected outdoor education space for LPNNRD education activities, as well as a public rental facility for the public. Also in FY 2020, six new primitive cabins were installed in the primitive camping portion of the park to give visitors a unique alternative to tent camping.

Recreation Long Range Objectives

- Improve up to 20 additional sites with 50 amp service
- Continue to repair and replace damaged portions of the park from the May, 2024 storm event.
- FEMA has approved disaster relief funding for Saunders County, continuing work with FEMA to repair damages throughout Lake Wanahoo recreation Area.
- Continue to budget funds for maintenance, including grass mowing, tree trimming, grading roads, outhouse cleaning, trash removal, painting, and noxious weed control, at Lake Wanahoo, Czechland, and Homestead Lake Recreation Areas.
- Continue to improve our existing sites and evaluate the development of new outdoor public recreational opportunities as they arise.
- Design and install a 10-14 slip marina on the west side of the lake. Marina will enable campers with boats the opportunity to keep their boats on the water during their stay. Install a fish cleaning station also.
- Continue to assist NE Game & Parks and Pheasant Forever in developing new areas offering public access.

DRAINAGE IMPROVEMENT & CHANNEL RECTIFICATION

It is the general policy of the LPNNRD not to provide financial assistance for drainage improvement and channel rectification unless a project has public benefit and is sponsored by a County, City, Drainage District, or a group of landowners through an established Improvement Project Area. Under this policy, the district has cooperated on several projects that have provided public benefit.

Drainage Improvement and Channel Rectification Long Range Objectives

- Worked with Colfax County to complete new Shell Creek South Channel Improvement/ Benching Projects.
- Partnered with Dodge County and Fremont to support drainage improvements east of Fremont through FEMA.
- Partnered with the North Bend Drainage District, Dodge County, and City of Fremont to support the drainage improvement project for the North Bend drainage ditch through FEMA.
- Continue to oversee the Rawhide Creek West Branch Project to ensure that landowners properly control vegetation.
- Continue providing assistance to Platte Center with stabilizing segments of Elm Creek.
- Evaluate potential technical and funding assistance to counties, cities, and other entities in the district that sponsor sound drainage and channel improvement projects.

WASTE DISPOSAL & POLLUTION OBJECTIVES

Over 30 years ago, vast changes occurred in Nebraska's solid waste regulations. Landfills that weren't properly designed, operated, or sited were required to shut down, as were unauthorized dumps. In order for a landfill to operate, it must be approved by the State and receive a permit. If a permit is not issued, the landfill cannot legally operate. Currently, the only permitted landfill in the Lower Platte North NRD is a facility near David City.

Waste Disposal & Pollution Long Range Objectives

- Promote recycling efforts in the district through education programs, newsletters, and news releases.
- Participate in education efforts to promote the reduction of pollution to our air, water, and soil resources.
- Cooperate and be supportive of other group and agency pollution control efforts, education, and/or regulation.
- Assist and encourage all District communities in establishing collection locations for recyclable wastes.
- Assist District cities and counties in establishing pickup days for hazardous household and farmstead wastes as opportunities arise.
- Promote waste reduction efforts in the district through education and incentives.

INFORMATION & EDUCATION

A major responsibility of the LPNNRD is to keep the public aware of the district's various projects and programs, and to inform and educate children and adults about the wise use and management of our natural resources.

During fiscal year 2024, the Lower Platte North NRD conducted many activities to help residents learn the importance of our soil and water resources and to stay informed of issues and concerns regarding natural resources. Some of the highlights included the following.

Publications and Marketing

The NRD distributes two newsletters each fiscal year. The Winter issue of "The Viaduct" newsletter includes the Annual Report. In FY 2024, more than 23,000 copies of each newsletter were distributed in eight newspapers, emailed and mailed. Previous newsletters are available on the website at www.lpnnrd.org/downloads.

Various brochures describing LPNNRD programs and services were updated as needed. These brochures are displayed in the office and distributed during NRD sponsored events and exhibit booths. Press releases are distributed to district newspapers, email lists and radio stations.

Numerous ads highlighting LPNNRD programs and upcoming deadlines air on KTIC Radio monthly, and digital ads are displayed on Wahoo newspaper's website monthly.

The NRD continues to maintain information and education outreach for the district through the use of social media outlets on Facebook, X, and YouTube. These outlets are maintained weekly and provide information along with photos and videos about the district's ongoing activities and events.

The NRD's website at www.lpnnrd.org contains information on the district's projects and programs, along with staff information, board of directors information, as well as committee and board meeting minutes, and district publications. Online applications and registration forms for various projects and programs are also available. Additionally, online payment capabilities continue to allow customers to pay for trees, rural water bills, and Lake Wanahoo permits.

Promotional videos have been created for the Water Department, Operations & Maintenance department, Projects department, Information and Education department, and the three LPNNRD recreation areas (Czechland Lake, Homestead Lake, and Lake Wanahoo). These 30-second and 60-second videos are shown as educational purposes for presentations, on the LPNNRD website, commercials on area television stations, and featured on social media platforms. Past directors, current directors, and current staff have been featured in the videos. The commercials air on News Channel Nebraska and Nebraska Public Media throughout the year.

Education Programs

During FY 2024, the district continued with two year-long programs. The St. Wenceslaus Pre-kindergarten students learn about wildlife, trees, birds, soil and water conservation through books, pictures, stories, and hands-on activities. The students visited Lake Wanahoo at the end of the year for a field trip filled with nature hikes, nature crafts, and disc golf. The district teamed up with Wahoo Public middle school students for the Survival Club program, making a total of three school years of the program. LPNNRD staff and other outdoor enthusiasts met monthly with students during the school year to learn about hiking, knot tying, 2-legged predators, 4-legged predators, fishing, first aid, foraging for wild foods, fire building and other outdoor survival skills.

The district continues to participate in the Career Exploration Opportunities (CEO) Program with Wahoo Public Schools. During the fall semester of 2023, LPNNRD staff hosted one high school senior and he rotated between each department to learn about the LPNNRD responsibilities.

The Clint Johannes Education Building is utilized for events of all kinds. Local teachers and other organizations will use it for their students and staff as a meeting space with a great view and amenities. The LPNNRD utilizes the building for educational events each month. The event, Coffee Lakeside, has impacted close to 100 people, who meet in the building once a month. Topics included wildflowers, fireflies, animal adaptations, fall activities, phenology, nature based play, lake ecosystems, water flower identification, fungi, and more. All other NRD related events are also hosted in the building or another location at Lake Wanahoo.

Additional events throughout the year included Wildflowers and Wine, Trivia and Game Night, Back to School Night, Community Fishing Event, and Nocturnal Nights. These events drew in participants of all ages with some returning and some new individuals. Staff also participated in the county-wide, Kid's Summer Institute, that ran all of June. Students participated in dip netting for macroinvertebrates; birding; disc golf; nature journaling; and wild about wildflowers.

The Lower Platte North NRD and Lower Platte South NRD rotate in hosting the East Central Land Judging Contest. Land Judging is a competition for high students that challenges them to gain a better understanding of soil structure and land evaluation. The Lower Platte North NRD works with local NRCS employees to choose a site location and help with site preparation. The Lower Platte North NRD staff and NRCS staff will assist in the preparation, contest monitoring, and scoring efforts during the contest.

The annual LPNNRD Spring Conservation Sensation was held on May 1st at Lake Wanahoo. Fifth and sixth grade students from Saunders, Butler, and Dodge Counties participated in various activities. Hands-on activities were presented by LPNNRD staff, additional personnel from various agencies and organizations, and volunteers to teach students about the environment, natural resources, tree planting, lake ecosystems, wildlife education and more. Nearly 300 students attended the event.

The third annual LPNNRD Natural Resources Camp was held at Lake Wanahoo. For one week, attendees learned how to fish, how to go birding, about the amphibians and reptiles of Nebraska, and insects, both macroinvertebrates they found in the lake and the land dwelling butterflies and moths.

Test Your Well Event is a program that partners with area FFA chapters to host public events, providing nitrate testing of water samples from private wells at no cost to the attendees. The district held 2 events in FY 2024.

District staff provided various presentations and activities during natural resources festivals, field days, out-of-school time programs, school classrooms, online activities on the LPNNRD website, and adult education events. As a result of the district's educational outreach efforts, there was interaction with approximately 3,504 youth and 326 adults in FY 2024.

Information & Education Long Range Objectives

- Publish the district newsletter "Viaduct" biannually in an electronic format and as a printed newspaper insert in 8 area newspapers.

- Send timely news releases to the local media on various LPNNRD programs, projects, and activities.
- Disperse pamphlets and other publications about LPNNRD programs.
- Update the district's website frequently.
- Provide a display at county fairs or agriculture events (up to five major counties) within the district.
- Continue information and education outreach for the district through the use of tools such as local radio stations, local TV stations, and social media outlets.
- Provide district elementary students with free trees, as requested, in the spring.
- Provide LPNNRD staff as requested to speak to community organizations and schools on NRD activities and environmental topics.
- Provide various education programs, events, and activities to area schools and out-of-school time programs.
- Host the East Central Region Land Judging Contest in the fall of 2024.
- Host the annual Spring Conservation Sensation in May 2025.
- Develop new programs and promotional projects to aid in outreach efforts of the district.
- Provide assistance and publications for the students involved in the Shell Creek Watershed Monitoring Program.
- Continue to provide a scholarship for graduating seniors in the Shell Creek Watershed Monitoring Program who plan to pursue higher education relating to science or natural resources.
- Search for new and effective ways to inform and educate the public on the NRD purpose and programs.
- Participate with the Information & Education (I&E) Staff Group to coordinate statewide I&E activities and produce statewide products.
- Increase participation in activities sponsored by other agencies relating to the NRD's responsibilities.
- Seek to have conservation/environmental education as a part of the school curriculum.
- Support environmental education activities and events throughout the district, and neighboring NRDs.
- Assist in the development of an outdoor classroom for a district school.
- Partner with district schools to host Test Your Well Events annually.

The staff of the Lower Platte North NRD includes 21 full-time and 11 part-time/seasonal employees. The NRD administers a full-time field technician, four field office assistants in Natural Resource Conservation Service county offices, and a Recreation Facilitator for Czechland & Homestead Lake Recreation Areas.

Included in the part-time positions, the district employs seasonal conservation technicians to assist in the layout of land treatment structures. There are seasonal summer employees hired to help with Lake Wanahoo, water sampling, tree planting, and maintenance of LPNNRD projects. Personnel positions and assigned responsibilities may increase in the future as increased project and program responsibilities increase.

Current staff as of September 1, 2024:
Sydney Abbott, Education Coordinator
Daryl Andersen, Water Resources Manager
Kaitlyn Bargen, Wanahoo Recreation Supervisor/Water Resources Specialist
Brandon Beethe, Grants/GIS Coordinator
Jill Breunig, Bookkeeping Department Head/Administrative Assistant
Ryan Chapman, Assistant General Manager
Sean Elliott, Projects/Rural Water Manager
Carson Euse, Recreation Facilitator Czechland & Homestead Lakes
Eric Gottschalk, General Manager
Bob Heimann, Operations & Maintenance Manager
David Moore, Operations & Maintenance Technician
Russell Oaklund, Lead Water Resources Specialist
Karen Rezac, Department/Administrative Assistant
Lacey Sabatka, Information Coordinator
Jon Speichinger, Operations & Maintenance Technician
Jacob Stover, Water Resources Specialist

Staff Support for NRCS Offices:
Adam Brockman, Conservation Technician
Jessica Marty, NRD/NRCS Field Office Assistant (Dodge County)
Marla Milliken, NRD/NRCS Field Office Assistant (Saunders County)
Kristin Miller, NRD/NRCS Field Office Assistant (Colfax County)
Kimberly Piitz , NRD/NRCS Field Office Assistant (Butler County)

FINANCES

Funding required for the LPNNRD projects and programs for Fiscal Year 2025 requires a general operating budget of $14,085,234 of which $3,480,715 is required from the district's local tax levy. The FY 2025 tax levy of .025767 cents per $100 actual valuation is required from District property. Projected expenses and income for FY 2022-2030 are shown in Appendix F.

A tax levy of .025767 means that an owner of a $150,000 home will pay $42.98 in NRD taxes in FY 2024. An owner of farm land valued at $7,000 per acre will pay $2.00 an acre/year to the NRD in FY 2025. The LPNNRD levy represents about two percent of the total property tax collected.

Although it is expected that the amount of revenue from all sources will fluctuate during the next few years, it is anticipated that the LPNNRD will operate at a mill levy between $0.025 and $0.055 per $100 actual valuation as the District continues to assist with flood reduction project priorities and to address our responsibilities with groundwater water quality and quantity management.

DI-1040

UNITED STATES DEPARTMENT OF THE INTERIOR
DOWN PAYMENT (BILL) REQUEST

Bill #: 91177153
Customer: 6000000136
Date: 07/10/2024
Due Date: 09/08/2024

Make Remittance Payable To: U.S. Geological Survey
Billing Contact: Amanda Flynn, Budget Analyst Phone: 402-328-4144, aflynn@usgs.gov

Remit Payment To: United States Geological Survey
P.O. Box 6200-27
Portland, OR 97228-6200

Payer: LOWER PLATTE NORTH NRD
P.O. BOX 126
WAHOO NE 68066

Additional forms of payment may be accepted. Please email GS-A-HQ_RMS@USGS.GOV or call 703-648-7683 for additional information.

To pay through Pay.gov go to https://www.pay.gov.

Checks must be made payable to U.S. Geological Survey. Please detach the top portion or include bill number on all remittances.

Amount of Payment: $ _____

Date	Description	Qty	Unit Price		Amount
			Cost	Per	
07/10/2024	24NRJFA00170	1	19,010.00	1	19,010.00
				Amount Due this Bill:	19,010.00

Accounting Classification:
Sales Order: 116997
Sales Office: GENR
Customer: 6000000136
Accounting #: 11465908

TIN: *****2716

Form 9-1366
(May 2018)

U.S. Department of the Interior
U.S. Geological Survey
Joint Funding Agreement
FOR
Water Resource Investigations

Customer #: 6000000136
Agreement #: 25NRJFA00170
Project #: NR00GS1
TIN #: 47-0542716

Fixed Cost Agreement YES[X] NO[ ]

THIS AGREEMENT is entered into as of October 1, 2024, by the U.S. GEOLOGICAL SURVEY, Nebraska Water Science Center, UNITED STATES DEPARTMENT OF THE INTERIOR, party of the first part, and the LOWER PLATTE NORTH NATURAL RESOURCES DISTRICT, party of the second part.

1. The parties hereto agree that subject to the availability of appropriations and in accordance with their respective authorities there shall be maintained in cooperation **streamgages at Shell Creek near Columbus and Wahoo Creek at Ashland,** herein called the program. The USGS legal authority is 43 USC 36C; 43 USC 50, and 43 USC 50b.

2. The following amounts shall be contributed to cover all of the cost of the necessary field and analytical work directly related to this program. 2(b) include In-Kind-Services in the amount of $0.00

(a) $32,185 by the party of the first part during the period October 1, 2024 to September 30, 2029

(b) $89,675 by the party of the second part during the period October 1, 2024 to September 30, 2029

(c) Contributions are provided by the party of the first part through other USGS regional or national programs, in the amount of: $50,100

Description of the USGS regional/national program:
Federal Priority Streamgages Program

(d) Additional or reduced amounts by each party during the above period or succeeding periods as may be determined by mutual agreement and set forth in an exchange of letters between the parties.

(e) The performance period may be changed by mutual agreement and set forth in an exchange of letters between the parties.

3. The costs of this program may be paid by either party in conformity with the laws and regulations respectively governing each party.

4. The field and analytical work pertaining to this program shall be under the direction of or subject to periodic review by an authorized representative of the party of the first part.

5. The areas to be included in the program shall be determined by mutual agreement between the parties hereto or their authorized representatives. The methods employed in the field and office shall be those adopted by the party of the first part to insure the required standards of accuracy subject to modification by mutual agreement.

6. During the course of this program, all field and analytical work of either party pertaining to this program shall be open to the inspection of the other party, and if the work is not being carried on in a mutually satisfactory manner, either party may terminate this agreement upon 60 days written notice to the other party.

7. The original records resulting from this program will be deposited in the office of origin of those records. Upon request, copies of the original records will be provided to the office of the other party.

8. The maps, records or reports resulting from this program shall be made available to the public as promptly as possible. The maps, records or reports normally will be published by the party of the first part. However, the party of the second part reserves the right to publish the results of this program, and if already published by the party of the first part shall, upon request, be furnished by the party of the first part, at cost, impressions suitable for purposes of reproduction similar to that for which the original copy was prepared. The maps, records or reports published by either party shall contain a statement of the cooperative relations between the parties. The Parties acknowledge that scientific information and data developed as a result of the Scope of Work (SOW) are subject to applicable USGS review, approval, and release requirements, which are available on the USGS Fundamental Science Practices website https://www.usgs.gov/about/organization/science-support/science-quality-and-integrity/fundamental-science-practices

Form 9-1366
(May 2018)

U.S. Department of the Interior
U.S. Geological Survey
Joint Funding Agreement
FOR
Water Resource Investigations

Customer #: 6000000136
Agreement #: 25NRJFA00170
Project #: NR00GS1
TIN #: 47-0542716

9. Billing for this agreement will be rendered **quarterly**. Invoices not paid within 60 days from the billing date will bear Interest, Penalties, and Administrative cost at the annual rate pursuant the Debt Collection Act of 1982, (codified at 31 U.S.C. § 3717) established by the U.S. Treasury.

USGS Technical Point of Contact

Name:	Jason Lambrecht
	Hydrologic Data Section Chief
Address:	5231 South 19th
	Lincoln, NE 68512
Telephone:	(402) 328-4124
Fax:	(402) 328-4101
Email:	jmlambre@usgs.gov

Customer Technical Point of Contact

Name:	Eric Gottschalk
	General Manager
Address:	PO Box 126
	Wahoo, NE 68066
Telephone:	(402) 443-4675
Fax:	
Email:	egottschalk@lpnnrd.org

USGS Billing Point of Contact

Name:	Amanda Flynn
	Budget Analyst
Address:	5231 South 19th
	Lincoln, NE 68512
Telephone:	(402) 328-4144
Fax:	(402) 328-4101
Email:	aflynn@usgs.gov

Customer Billing Point of Contact

Name:	Eric Gottschalk
	General Manager
Address:	PO Box 126
	Wahoo, NE 68066
Telephone:	(402) 443-4675
Fax:	
Email:	egottschalk@lpnnrd.org

U.S. Geological Survey
United States
Department of Interior

Signature

By JASON LAMBRECHT Digitally signed by JASON LAMBRECHT Date: 2024.08.23 13:19:33 -05'00'

Name: Jason M. Lambrecht
Title: Acting Director

Lower Platte North Natural Resources District

Signatures

By_____ **Date:** _____
Name:
Title:

By_____ **Date:** _____
Name:
Title:

By_____ **Date:** _____
Name:
Title:

Table 1. Summary of proposed funding for the period October 1, 2024 -- September 30, 2029 (5 years) for the operation of two streamgages that are currently supported by the Lower Platte North Natural Resources District.

[CMF, USGS, Cooperative matching funds; LPN NRD, Lower Platte North Natural Resources District; FPS, Federal Priority Streamgages Program; USGS, U.S. Geological Survey]

Station number	Station name	Station funding				Footnote Code
		USGS FPS	USGS CMF	LPN NRD	Total	
Streamflow Stations						
06795500	Shell Creek near Columbus	$50,100	$730	$35,150	$85,980	1
06804700	Wahoo Creek at Ashland	$0	$31,455	$54,525	$85,980	
	Funding partner totals	$50,100	$32,185	$89,675	$171,960	

1 USGS FPS funds primarily used in place of CMF funds as match with LPN NRD

United States Department of the Interior
U.S. GEOLOGICAL SURVEY
Water Resources Discipline
Nebraska Water Science Center
5231 South 19th Street
Lincoln, NE 68512-1271

August 23, 2024

Eric Gottschalk
Lower Platte North Natural Resources District
PO Box 126
Wahoo, NE 68066

Dear Mr. Gottschalk:

Enclosed is a copy of Joint Funding Agreement No. 25NRJFA00170 for the operation of two streamgages at Shell Creek near Columbus and Wahoo Creek at Ashland, as listed in the enclosed summary of proposed funding. This agreement covers five years of operations and expires on September 30, 2029. The total amount of the agreement is $121,860 or $32,185 for the U.S. Geological Survey and $89,675 for the Lower Platte North Natural Resources District. Funds in the amount of $50,100 from the Federal Priority Streamgages Program (FPS), which are not included in the above amounts, have been used as a supplement to or in place of Cooperative Matching Funds. Please sign the agreement and return by email to aflynn@usgs.gov. Work cannot be continued until we receive the signed agreement.

Work performed with funds from this agreement will be conducted on a fixed-price basis under the authority of statute 43 USC 36C. Billings will be rendered quarterly. The results of all work under this agreement will be available for publication by the U.S. Geological Survey.

For more information or any questions concerning this agreement, please contact Jason Lambrecht at 402-328-4124.

Sincerely,

JASON LAMBRECHT

Digitally signed by JASON LAMBRECHT
Date: 2024.08.23 13:18:54 -05'00'

Jason Lambrecht, Acting Director
USGS Nebraska Water Science Center

2 Enclosures

USGS UEI No. NJQMLNG5LA5

INTERLOCAL COOPERATION ACT AGREEMENT BETWEEN LOWER PLATTE NORTH NATURAL RESOURCES DISTRICT AND NORTH BEND DRAINAGE DISTRICT FOR NORTH BEND DRAINAGE CENTRAL CUT-OFF DITCH REPAIR

This Interlocal Cooperation Act Agreement, hereinafter referred to as "Agreement", is made and entered into by the following entities defined as a "public agency" pursuant to Neb. Rev. Stat. § 13-803, hereafter referred to individually as "Partner" and collectively as "Partners", to wit:

Lower Platte North Natural Resources District (LPNNRD)
North Bend Drainage District (Drainage District)

Whereas, LPNNRD is a political subdivision of the State of Nebraska created pursuant to Neb. Rev. Stat. § 2-3201 and 32,115.

Whereas, Drainage District is drainage district created by land owners pursuant to Neb. Rev. Stat. § 31-401 et. seq.

Whereas, Drainage District sustained damage to the central cut-off ditch relating to the 2019 flood disaster.

Whereas, the Drainage District did engage Pruss Excavation to prepare an estimate for repairing the central cut-off ditch. A description of the proposal is dated April 16, 2024, and is incorporated herein by reference (Project).

Whereas, the LPNNRD held a public meeting on August 12, 2024, wherein on agenda item 6.D.7. it was approved that the LPNNRD would agree to contribute a maximum of $60,000 towards the Project.

Whereas, the LPNNRD has determined that it does not want to obtain a property interest or serve as the project sponsor for the Project but is willing to provide financial assistance in the amount as aforementioned.

Therefore, in consideration of the foregoing recitals and their mutual covenants hereinafter expressed, the Partners agree as follows:

1. **Authority:** This Agreement is made pursuant to authority provided in the Nebraska Interlocal Cooperation Act (Neb. Rev. Stat. 13-801, R.R.S., 1943, et seq.), without a separate entity being created, and whenever possible, this Agreement shall be construed in conformity therewith.

2. **Purpose:** The general purpose of this Agreement is for the Partners to enter into an agreement for design, bidding, permitting, and construction of the Project. The specific purpose of this Agreement is to define Partners' responsibilities regarding financing for the Project.

3. **Project Agreement:** Drainage District agrees that as a fundamental term of this agreement that it shall be solely responsible for ensuring that all state, local, and federal legal compliance, accountability, permitting, and reporting obligations are met. The LPNNRD will therefore be a financial contributor to the Drainage District for up to 100% of its costs, up to a maximum of $60,000.

4. **Effective Date of Agreement:** This Agreement becomes effective upon execution by the Partners. The original copy of this Agreement will be maintained as part of the records of LPNNRD, with a copy being mailed to the other Partner.

5. **Duration of Agreement:** This Agreement shall terminate automatically and without further notice upon the latter to occur of either: (i) completion of the Project, or (ii) June 30, 2025.

IN WITNESS WHEREOF,

This Agreement is executed by Kelly Thompson, Board Chairman and authorized representative of the Lower Platte North Natural Resources District on this 22nd day of August, 2024.

Lower Platte North Natural Resources District

By: _____
Eric Gottschalk, General Manager

IN WITNESS WHEREOF,

This Agreement is executed by Larry Ruzicka, President, Board of Directors, and authorized representative of the North Bend Drainage District on this 22nd day of August, 2024.

North Bend Drainage District

By: _____
Larry Ruzicka, President

STATEMENT

City of North Bend, Nebraska
607 Main Street, P.O. Box 401
North Bend, NE 68649
(402) 652-3584
cinoben@gpcom.net

DATE August 23, 2024

Lower Platte North NRD – Attn. Ryan Chapman
511 Commercial Park Road
Wahoo, NE 68066-0126

Easement work on North Bend levee:

JEO – invoice attached	$42,178.75
Filing fees at Dodge County Courthouse	120.00
Total Expense:	$42,298.75

$42,298.75 divided by 3 = **$14,099.59**

(Dodge County, NRD, & City of North Bend shared expense)

Due within 30 days of receipt – thank you.

Thank you for your business: TOTAL DUE: $14,099.59

JEO CONSULTING GROUP

Engineering | Architecture | Surveying | Planning

Invoice

April 30, 2024
Project No: R190489.02
Invoice No: 150266
Invoice Amount: 625.00

Theresa Busse
City of North Bend
607 Main Street
PO Box 401
North Bend, NE 68649

Project Manager Kevin Kruse

Project R190489.02 North Bend Levee Easement Preparation

Professional Services through April 19, 2024

- Reimbursable expense = Dodge County Title

	Contract Amount	Percent Complete	Billed-to-Date	Previous Billing	Current Billing
Hourly to a Maximum Phase(s)					
Project Management	$1,500.00		$1,495.00	$1,495.00	0.00
Easement Development and Fieldwork	$37,500.00		$37,088.75	$37,088.75	0.00
Hourly Phase(s)					
Additional Services			$625.00	0.00	$625.00
Reimbursable Expenses			$2,970.00	$2,970.00	0.00
Total	**$39,000.00**		**$42,178.75**	**$41,553.75**	**$625.00**

Total Amount Due Upon Receipt : $625.00

Email invoice to: cinoben@gpcom.net

JEO A
150266
engr - levee
608.11

625.00

INTERLOCAL COOPERATION ACT AGREEMENT
PLATTE RIVER CAMERAS/STREAM GAUGES
FOR
LOWER PLATTE NORTH NATURAL RESOURCES DISTRICT
PAPIO-MISSOURI RIVER NATURAL RESOURCES DISTRICT
DODGE COUNTY
AND
CITY OF FREMONT

This Agreement (hereinafter named "Agreement") is made by and among the following Parties (all are political subdivisions of the State of Nebraska):

Lower Platte North Natural Resources District (LPNNRD)
Papio-Missouri River Natural Resources District (PMRNRD)
Dodge County (County)
City of Fremont (CITY)

The parties hereinafter being referred to individually as "Partner" and collectively as "Partners".

WHEREAS:

Flooding and resulting damages from winter ice jams and seasonal rainstorms frequently occur along the Lower Platte River corridor.

The Partners work closely with the National Weather Service, the Nebraska Emergency Management Agency and the Nebraska Department of Natural Resources to monitor winter ice/ice-out and flood stage conditions along the Lower Platte River corridor and take necessary actions to alert the public of resulting flood hazards.

The Partners desire to increase awareness of potential flood threats due to winter ice/ice-out conditions and other significant seasonal rainstorm events, by establishing cameras and additional water monitoring gauges at mutually agreed upon locations along the Lower Platte River corridor.

The Partners desire to enter into an Interlocal Agreement for sharing costs associated with purchasing and placing cameras, additional stream gauges and supporting equipment, for placement along the Lower Platte River corridor and for the future operation and maintenance of that equipment.

THEREFORE, in consideration of the foregoing recitals and their mutual covenants hereinafter expressed, the Partners agree as follows:

1. **Authority:**
   The Partners desire to work together for maintaining cameras, stage-only stream gauges and supporting equipment, at mutually agreed upon Lower Platte River locations and to make the most efficient use of their respective powers by cooperating on a basis of mutual advantage under the auspices of the Interlocal Cooperation Act (Neb. Rev. Stat. §§ 13-801 to 13-827). In furtherance of this cooperative effort the Parties desire to enter into this Interlocal Agreement with one another for joint and cooperative action for any power or powers, privileges or authorities exercised or capable of exercise individually by them as public agencies under the Interlocal Cooperation Act. This Agreement is not intended to create a separate legal entity as between the Partners.

2. **Cameras/Stage-Only Steam Gauges Operation and Maintenance Expenses:**
   The Partners agree to equally share on-going camera/stream stage-only gauge operation and maintenance expenses for five years, not to exceed an annual average total cost of $22,856 total cost ($5,741 annual maximum average cost for each Partner). It shall be the LPNNRD's sole discretion to determine when and how operation and maintenance is to be conducted and to then bill each Partner accordingly.

3. **Authorized Partner for Entering into USGS Agreement/Billings:**
   The Partners agree that LPNNRD will enter into a five-year agreement with USGS for operation and maintenance of the equipment. LPNNRD will bill each Partner for their share annually.

4. **Effective Date:**
   This Agreement becomes effective upon execution by all Partners. The original copy of this Agreement will be maintained as part of the records of LPNNRD, with a copy being provided to each of the Partners. The Agreement may be signed electronically and in counterparts.

5. **Duration of Agreement:**
   This Agreement shall extend from the date of execution by all Partners and will remain in effect until September 30, 2029, unless mutually or individually terminated by one or more of the Partners upon an advance 90 day written notice. Provided, however, termination cannot effect the initial obligations of the Partners as the LPNNRD will be bound to the five year term with USGS so the parties are committing to at least that length of term.

6. Amendments, Assignments, Severability and Integration:

This Agreement may be amended, or Addendums added, subject to written approval by all Partners. This Agreement may not be assigned without the express written permission of the other Partners to this Agreement. If any portion of this Agreement is held invalid, the remainder hereof shall not be affected thereby if such remainder would then continue to conform to the terms and requirements of applicable law. This Agreement constitutes the entire agreement between the Partners with respect to the subject matter herein and merges all prior discussions between them. It shall not be modified except by written agreement dated subsequent to the date of this Agreement and signed by all Partners.

7. Indemnification:

The Partners assume no liability under this Agreement unless expressly accepted herein. Each party agrees to defend the other from and against all liabilities, obligations, losses, damages, claims, and demands arising from the acts of its own respective officers, agents, or employees. Liability includes any claims, damages, losses, and expenses arising out of or resulting from performance of this Agreement that results in any claim for damage whatsoever including any bodily injury, civil rights liability, sickness, disease, or damage to or destruction of tangible property, including the loss of use resulting therefrom. Further, each Partner shall maintain a policy or policies of insurance (or a self-insurance program), sufficient in coverage and amount to pay any judgments or related expenses from or in conjunction with any such claims. Nothing in this Agreement shall require any Partner to indemnify or hold harmless the other Partners from liability for the negligent or wrongful acts or omissions of said other Partners or its principals, officers, or employees.

IN WITNESS WHEREOF, each Partner has caused this Agreement to be executed by its duly authorized officer as of the date and year.

Lower Platte North Natural Resources District

By: _____
Board Chairperson

Date: _____

Papio-Missouri River Natural Resources District

By: _____
John Winkler, General Manager

Date: _____

Dodge County

By: _____
Chairman, Board of Supervisors

Date: _____

City of Fremont

By: _____
Mayor

Date: _____

INTERLOCAL COOPERATION ACT AGREEMENT
PLATTE RIVER CAMERAS/STREAM GAUGES
FOR
LOWER PLATTE NORTH NATURAL RESOURCES DISTRICT
PAPIO-MISSOURI RIVER NATURAL RESOURCES DISTRICT
DODGE COUNTY
AND
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IN WITNESS WHEREOF, each Partner has caused this Agreement to be executed by its duly authorized officer as of the date and year.

Lower Platte North Natural Resources District

By: _____
Board Chairperson

Date: _____

Papio-Missouri River Natural Resources District

By: _____
John Winkler, General Manager

Date: _____

Dodge County

By: _____
Chairman, Board of Supervisors

Date: _____

City of Fremont

By: _____
Mayor

Date: _____

Invoice

olsson

601 P St Suite 200
PO Box 84608
Lincoln, NE 68501-4608
Tel 402.474.6311, Fax 402.474.5063

August 14, 2024
Invoice No: 507080

Invoice Total $1,545.78

Ryan Chapman
Lower Platte North NRD
PO Box 126
Wahoo, NE 68066-0126

Olsson Project # 018-34230 Lower Platte North NRD Wahoo Creek Watershed & 3 Dam Sites
Professional services rendered July 7, 2023 through August 3, 2024 for work completed in accordance with agreement.

Phase 010 Sites 26A 26B & 27 Project Management

Labor

	Hours	Amount	
Project Manager	10.00	1,451.30	
Administrative/Clerical	1.25	94.48	
Totals	11.25	1,545.78	
Total Labor			**1,545.78**
		Total this Phase	**$1,545.78**

Billing Limits	**Current**	**Prior**	**To-Date**	
Total Billings	1,545.78	553,511.27	555,057.05	
Limit			729,053.79	
Balance Remaining			173,996.74	
		AMOUNT DUE THIS INVOICE		**$1,545.78**

Outstanding Invoices

Number	Date	Balance
505853	7/25/2024	7,689.59
Total		**7,689.59**

Email invoice to: rchapman@lpnnrd.org

Authorized By: Carrie Wiese

INVOICE PAYMENT IS REQUESTED WITHIN 30 DAYS

Progress Report for Wahoo Creek Watershed Dams Sites

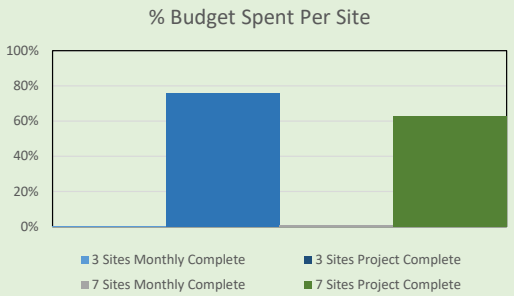
Lower Platte North NRD

For Work Compled During The Month Of : August, 2024
(through 08/03/24)

Project # 018-3423 Dam Site 26A, 26B, &27 Project Phase	Phase Budget	Billings for Month Current Earned/Billings	 % Completed This Month	Project Total Billings to Date JTD Earned/Billings	 % Completed Overall
010 - Project Management/Meetings	$ 25,709	$ 1,545.78	6.0%	$ 16,302.70	63.4%
020 - Geotechnical Engineering	$ 224,493		0.0%	$ 226,775.48	101.0%
030 - Dam Design	$ 184,885		0.0%	$ 199,168.83	107.7%
040 - Permitting	$ 86,634		0.0%	$ 60,884.18	70.3%
050 - Survey and Legal Descriptions	$ 11,142		0.0%	$ 23,636.47	212.1%
060 - Community/Public Participation	$ -			$ -	
070 - Construction Services	$ 171,962		0.0%	$ 1,590.75	0.9%
090-Tree Clearing Bidding and Enviro	$ 11,554		0.0%	$ 11,642.75	100.8%
100- Additional Easement Documents	$ 5,085		0.0%	$ 5,144.49	101.2%
110-Additional 90% Review	$ 9,930		0.0%	$ 9,911.40	99.8%
3 Sites Totals	$ 731,394	$ 1,545.78	0.2%	$ 555,057.05	75.9%

Project # A18-3423 (separate invoice) Sites 55, 66, 77, 84, 85, & 86 Project Phase	Phase Totals	Billings for Month Current Earned/Billings	 % Completed This Month	Project Total Billings to Date JTD Earned/Billings	 % Completed Overall
100 - Project Management/Meetings	$ 78,909	$ 1,596.43	2.0%	$ 39,770.50	50.4%
110 - Geotechnical Engineering	$ 592,047	$ 115.13	0.0%	$ 590,144.89	99.7%
120 - Dam Design	$ 425,202	$ 8,147.29	1.9%	$ 468,971.86	110.3%
130 - Permitting	$ 244,810		0.0%	$ 176,641.99	72.2%
140 - Survey and Legal Descriptions	$ 28,165	$ 642.75	2.3%	$ 34,172.51	121.3%
150 - Community/Public Participation	$ 30,000		0.0%	$ 5,899.20	19.7%
160 - Other	$ -			$ -	
170- Construction Services	$ 603,992		0.0%	$ -	0.0%
180- Site 55 Additional Investigation	$ 70,923		0.0%	$ 14,393.05	20.3%
190-Easement Documents & Survey	$ 14,953	$ 4,560.43	30.5%	$ 5,532.43	37.0%
200- 77 Additional Evaluation	$ 45,215	$ 796.07	1.8%	$ 21,145.72	46.8%
210- 90% Review	$ 19,827	$ -	0.0%	$ -	0.0%
220- Depletions Calculations	$ 10,255	$ 485.38	4.7%	$ 10,060.57	98.1%
220- Biological Assesment	$ 24,720		0.0%	$ 2,031.58	8.2%
6 Sites Totals	$ 2,189,018	$ 16,343.48	0.7%	$ 1,368,764.30	62.5%

Billings For Month	**$ 17,889.26**
Total Billings To Date	$ 1,923,821.35
Project Budget	$ 2,920,412.00
Budget Remaining	$ 996,590.65



Summary Of Work Completed This Month	
Sites 26A, 26B, & 27	Sites 55, 66, 77, 84, 85, & 86
-Bidding documents prepared and bidding process started	-Design work in progress on Sites 66, 84, and 85 -Additional section corners located -Easement discussions -Site 77 design complete, to be reviewed -Depletions calcs nearly complete -Ongoing project management

Planned Work For Next Month	
Site 26A, 26B, & 27	Sites 55, 66, 77, 82, 84, 85, & 86
-Site showing September 19 -Permit for 26b expected from NeDNR once confirmation from county received regarding inundation of Cty Rd P	-Final internal design review on Site 77 -Environmental permitting work to begin -Design for Sites 66, 84, and 85 to be completed -Coordination w/ county surveyor to set remaining section corners

For questions regarding billings, please contact Andrew Phillips at (402) 440-8807 or aphillips@olsson.com

Progress Report for Wahoo Creek Watershed Dams Sites

Lower Platte North NRD

For Work Compled During The Month Of : August, 2024
(through 08/03/24)

Project # 018-3423 Dam Site 26A, 26B, &27 Project Phase	Phase Budget	Billings for Month Current Earned/Billings	 % Completed This Month	Project Total Billings to Date JTD Earned/Billings	 % Completed Overall
010 - Project Management/Meetings	$ 25,709	$ 1,545.78	6.0%	$ 16,302.70	63.4%
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160 - Other	$ -			$ -	
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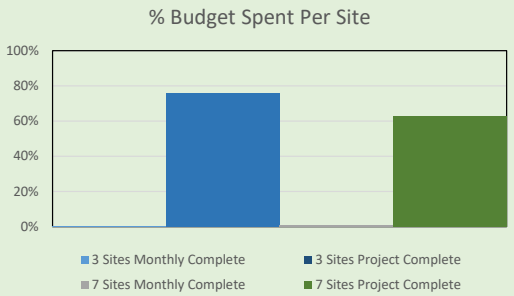
220- Biological Assesment	$ 24,720		0.0%	$ 2,031.58	8.2%
6 Sites Totals	$ 2,189,018	$ 16,343.48	0.7%	$ 1,368,764.30	62.5%

Billings For Month	**$ 17,889.26**
Total Billings To Date	$ 1,923,821.35
Project Budget	$ 2,920,412.00
Budget Remaining	$ 996,590.65



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Planned Work For Next Month	
Site 26A, 26B, & 27	Sites 55, 66, 77, 82, 84, 85, & 86
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For questions regarding billings, please contact Andrew Phillips at (402) 440-8807 or aphillips@olsson.com

Invoice

olsson

601 P St Suite 200
PO Box 84608
Lincoln, NE 68501-4608
Tel 402.474.6311, Fax 402.474.5063

August 14, 2024
Invoice No: 507080

Invoice Total $1,545.78

Ryan Chapman
Lower Platte North NRD
PO Box 126
Wahoo, NE 68066-0126

Olsson Project # 018-34230 Lower Platte North NRD Wahoo Creek Watershed & 3 Dam Sites
Professional services rendered July 7, 2023 through August 3, 2024 for work completed in accordance with agreement.

Phase 010 Sites 26A 26B & 27 Project Management

Labor

	Hours	Amount	
Project Manager	10.00	1,451.30	
Administrative/Clerical	1.25	94.48	
Totals	11.25	1,545.78	
Total Labor			**1,545.78**
		Total this Phase	**$1,545.78**

Billing Limits	**Current**	**Prior**	**To-Date**	
Total Billings	1,545.78	553,511.27	555,057.05	
Limit			729,053.79	
Balance Remaining			173,996.74	
		AMOUNT DUE THIS INVOICE		**$1,545.78**

Outstanding Invoices

Number	Date	Balance
505853	7/25/2024	7,689.59
Total		**7,689.59**

Email invoice to: rchapman@lpnnrd.org

Authorized By: Carrie Wiese

INVOICE PAYMENT IS REQUESTED WITHIN 30 DAYS

Invoice

olsson

601 P St Suite 200
PO Box 84608
Lincoln, NE 68501-4608
Tel 402.474.6311, Fax 402.474.5063

August 14, 2024
Invoice No: 507086

Invoice Total $16,343.48

Ryan Chapman
Lower Platte North NRD
PO Box 126
Wahoo, NE 68066-0126

Olsson Project # A18-34230 Lower Platte North NRD Wahoo Creek Watershed & 7 Dam Sites Phase II

Professional services rendered July 7, 2024 through August 3, 2024 for work completed in accordance with agreement.

Phase 100 Sites 55 66 77 82 84 85 86 Project Management

Labor

	Hours	**Amount**	
Project Manager	11.00	1,596.43	
Totals	11.00	1,596.43	
Total Labor			**1,596.43**
		Total this Phase	**$1,596.43**

Phase 110 Geotechnical Engineering

Labor

	Hours	**Amount**	
Project Professional	.75	115.13	
Totals	.75	115.13	
Total Labor			**115.13**
		Total this Phase	**$115.13**

Phase 120 Dam Design

Labor

	Hours	**Amount**	
Principal	2.75	517.99	
Project Professional	18.75	2,461.13	
Assistant Professional	50.50	5,168.17	
Totals	72.00	8,147.29	
Total Labor			**8,147.29**
		Total this Phase	**$8,147.29**

Phase 140 Survey & Legal Descriptions

Unit Billing

Field Vehicle 1457	277.0 Miles @ 0.75	207.75	
Generator/Jack Hammer			
7/23/2024	2 Days Jack Hammer @ $80/Day	160.00	
Survey Supplies			
IU072724 SVSUP NCT SRV-GN		275.00	
Total Units		**642.75**	**642.75**
		Total this Phase	**$642.75**

Phase 180 Site 55 Additional Investigation

Total this Phase **0.00**

Phase 190 Additional Easement Documents

Labor

	Hours	**Amount**	
Principal	2.00	332.24	
CAD Operator	5.00	350.90	
Survey	44.75	3,877.29	
Totals	51.75	4,560.43	
Total Labor			**4,560.43**
		Total this Phase	**$4,560.43**

Phase 200 77 Additional Evaluation

Labor

	Hours	**Amount**	
Project Professional	4.50	690.80	
CAD Operator	1.50	105.27	
Totals	6.00	796.07	
Total Labor			**796.07**
		Total this Phase	**$796.07**

Phase 220 Depletions Cals and BA

Labor

	Hours	**Amount**	
Project Manager	2.75	485.38	
Totals	2.75	485.38	
Total Labor			**485.38**
		Total this Phase	**$485.38**

AMOUNT DUE THIS INVOICE **$16,343.48**

INVOICE PAYMENT IS REQUESTED WITHIN 30 DAYS

Project	A18-34230	Lower Platte North NRD Wahoo Creek Water	Invoice	507086

Outstanding Invoices

Number	Date	Balance
505851	7/25/2024	21,514.01
Total		**21,514.01**

Authorized By: Carrie Wiese

INVOICE PAYMENT IS REQUESTED WITHIN 30 DAYS

Invoice

olsson

601 P St Suite 200
PO Box 84608
Lincoln, NE 68501-4608
Tel 402.474.6311, Fax 402.474.5063

August 19, 2024
Invoice No: 508144

Invoice Total $7,139.18

Ryan Chapman
Lower Platte North NRD
PO Box 126
Wahoo, NE 68066-0126

Olsson Project # 023-00443 LPNNRD Wahoo Creek Watershed Flood Reduction Project Real Estate Services

Professional services rendered through August 3, 2024 for work completed in accordance with our Agreement dated February 17, 2023.

Phase 100 Real Estate Acquisitions

Labor

	Hours	Amount	
Principal	25.50	6,051.41	
CAD Operator	6.25	424.19	
Administrative/Clerical	.75	54.75	
Totals	32.50	6,530.35	
Total Labor			**6,530.35**

Reimbursable Expenses

Filing Fees	242.83	
Personal Vehicle Mileage	144.72	
Ownership & Title Certificates	220.00	
Total Reimbursables	**607.55**	**607.55**

Unit Billing

Postage	1.28	
Total Units	**1.28**	**1.28**

Total this Phase $7,139.18

Billing Limits	**Current**	**Prior**	**To-Date**
Total Billings	7,139.18	71,096.50	78,235.68
Limit			210,000.00
Balance Remaining			131,764.32

AMOUNT DUE THIS INVOICE $7,139.18

Outstanding Invoices

Number	Date	Balance
502897	7/10/2024	5,558.23
Total		**5,558.23**

INVOICE PAYMENT IS REQUESTED WITHIN 30 DAYS

Project	023-00443	LPNNRD Wahoo Creek Watershed Flood	Invoice	508144

Billings to Date

	Current	Prior	Total
Labor	6,530.35	59,012.82	65,543.17
Expense	607.55	12,081.08	12,688.63
Internal Unit	1.28	2.60	3.88
Totals	**7,139.18**	**71,096.50**	**78,235.68**

Email invoices to: rchapman@lpnnrd.org; selliott@lpnnrd.org and CC: jbreunig@lpnnrd.org

Authorized By: Danielle Allen

INVOICE PAYMENT IS REQUESTED WITHIN 30 DAYS

Village of Lindsay

121 Pine St. - P.O. Box 66 Lindsay, NE 68644 (402) 428-4010

Date 8/22/2024

Lower Platte North NRD
Att: Ryan Chapman
511 Commercial Park Road
P.O. Box 126
Wahoo, NE. 68066

RE: Lindsay Pond Restoration Project Reimbursement Request No.1

Ryan:

This letter is to request reimbursement for the Village of Lindsay Pond Restoration Project.

The amount requested is $25,000.00 of the $50,000.00 committed towards this project by the Lower Platte North NRD.

Therefore, we are requesting the Lower Platte North NRD reimburses us in the amount of $25,000.00 for Reimbursement No.1.

Should there be information you need to process our request, or you have any questions regarding this, please do not hesitate to contact me at (402) 428-4010 or email me at clerk@villageoflindsay.com.

Sincerely,

Fred Hoefer

Fred Hoefer
Trustees Board Chairman

Village of Lindsay
121 Pine St. - P.O. Box 66 Lindsay, NE 68644 (402) 428-4010

Lindsay Pond Restoration Report Narrative

July 1, 2023 – June 30, 2024

Describe Project Activities

- The pond was emptied via pumping.
- Pumping was completed periodically during construction to remove accumulated water from precipitation events.
- Articulated concrete block matting and riprap were hauled in and stockpiled on site for installation in the pond for shoreline stabilization and aquatic habitat features.
- Pond excavation started and finished.

Partners and Results of the Project for this Period

- No new partner coordination this period.

Project Modifications and Descriptions

- No modifications to date, pending final costs upon construction completion a budget amendment request will be submitted if necessary.

Quantify Results

- Pond excavation 100% completed, resulting in removal of approximately 4,385 cubic yards of sediment.
- Approximately 6,624 square feet of articulated concrete block matting was stockpiled on site for future installation.
- Approximately 45 tons of NDOT Type A and 250 tons of NDOT Type B rock riprap were stockpiled on site for future installation.

ENGINEERING ■ ARCHITECTURE ■ SURVEYING ■ PLANNING

Monthly Progress Report
Lindsay Pond Restoration
Village of Lindsay Nebraska

JEO Project #: 191217.00
Through: June 21, 2024

1. **Work completed during current period**
   - Contractor coordination and scheduling
   - Payment application preparation
   - Approximately 75% of pond excavation complete at time of payment application

2. **Planned accomplishments for next period**
   - Continue contractor coordination and site visits

3. **Project schedule**
   - On schedule

4. **Information needed from Village**
   - None

5. **Budget**
   - Tracking over on Construction Administration due to contractor coordination and scheduling with little progress being made.
     - Sent amendment $6,800
     - Tabled until near end of construction to assure accurate costs

6. **Next Meeting Date and Time**
   - TBD

7. **Other Notes**
   - None

Please contact Dennis Stille at 402.416.0305 or at dstille@jeo.com for any questions or concerns regarding this project and/or progress report.

JEO CONSULTING GROUP

Engineering | Architecture | Surveying | Planning

Invoice

August 26, 2024
Project No: R220954.00
Invoice No: 153581
Invoice Amount: 17,523.00

Eric Gottschalk
Lower Platte North NRD
Commercial Park Road
PO Box 126
Wahoo, NE 68066

Project Manager Rebecca Appleford

Project R220954.00 Lower Platte North NRD HMP 2025 Update

Professional Services through August 16, 2024

	Contract Amount	Percent Complete	Billed-to-Date	Previous Billing	Current Billing
Lump Sum Phase(s)					
Project Management	$16,500.00	79%	$13,035.00	$11,220.00	$1,815.00
Public Involvement and Stakeholder Participation	$34,700.00	50%	$17,350.00	$16,309.00	$1,041.00
Data Collection and GIS Mapping	$16,550.00	81%	$13,405.50	$12,743.50	$662.00
Develop Hazard Mitigation Plan	$65,750.00	15%	$9,862.50	$7,232.50	$2,630.00
HMP Adoption, Submission, and Approval	$4,000.00	0%	0.00	0.00	0.00
Threat and Hazard Identification and Risk Assessment	$17,500.00	92%	$16,100.00	$4,725.00	$11,375.00
Drought Risk Assessment and Management	$95,000.00	0%	0.00	0.00	0.00
Total	**$250,000.00**		**$69,753.00**	**$52,230.00**	**$17,523.00**

Total Amount Due Upon Receipt : $17,523.00

Email Invoice: rchapman@lpnnrd.org; jbreunig@lpnnrd.org

Progress Report

LOWER PLATTE NORTH NATURAL RESOURCES DISTRICT
HAZARD MITIGATION PLAN UPDATE

August 23, 2024

JEO Project Number: 220954.00
Project Contact: Becky Appleford, 217-741-0117
Professional Services through August 16, 2024

Below is a progress report for the above referenced project:

1. **Overall project and budget status:**

Overall Project Completion: 28%	Overall Budget Expended: 27%
HMP Completion: 40%	HMP Budget Expended: 39%
THIRA Completion: 92%	THIRA Budget Expended: 92%
Drought Plan Completion: 2%	Drought Plan Budget Expended: 0%

2. **Project activities during current period (thru August 16, 2024)**
   a. Incorporated completed worksheet information from meetings into HMP
   b. Updated GIS community lifeline information
   c. Analyzed collected hazard data for vulnerabilities and probabilities
   d. Began drafting sections 3 and 4 of HMP
   e. Sent meeting invite for THIRA workshop
   f. Prepared THIRA workshop materials: PowerPoint, worksheets, and handouts
   g. Facilitated THIRA workshop on August 12th
   h. Set up drought plan management process and tasks outline

3. **Planned project activities for next period (thru September 13, 2024)**
   a. Continue incorporating completed worksheets into HMP
   b. Continue drafting sections of HMP
   c. Develop upfront regional maps for assessment
   d. Finalize THIRA document
   e. Collect and review available community drought ordinances and plans
   f. Outline drought plan content
   g. Schedule drought plan kickoff meeting

4. **Information needed from NRD or key stakeholders**
   a. None

5. **Project Schedule and Next Meeting(s)**
   a. On schedule

6. **Other Notes**
   a. None

Introduction

The Lower Platte North Natural Resources District (LPNNRD) is one of 23 Natural Resources Districts created in 1969 with the passage of LB 1357 by the Nebraska Unicameral. Since its formation in 1972, the LPNNRD has been assisting people in the Lower Platte River Basin in the development and protection of our soil and water resources. Nebraska Statutes require that Natural Resources Districts develop a Long Range Implementation Plan. The purpose of this plan is to summarize accomplishments by LPNNRD during fiscal year 2023 (July 1, 2023 to June 30, 2024). It will show activities for the current year and the next five years. The plan serves as an implementation tool of the district's Master Plan, which is updated every ten years. This Long Range Implementation Plan was approved by the LPNNRD Board of Directors on date.

Authority and Responsibilities

The Natural Resources Districts have been given statutory responsibility outlined in Sections 2-3229, R.R.S. 1943. In this section it states that "The purposes of the Natural Resources Districts shall be to develop and execute, through the exercise of powers and authorities contained in this act, plans, facilities, works and programs relating to: (1) erosion prevention and control, (2) prevention of damages from flood water and sediment, (3) flood prevention and control, (4) soil conservation, (5) water supply for any beneficial uses, (6) development, management, utilization, and conservation of groundwater and surface water, (7) pollution control, (8) solid waste disposal and sanitary drainage, (9) drainage improvement and channel rectification, (10) development and management of fish and wildlife habitat, (11) development and management of recreational and park facilities, and (12) forestry and range management."

Description of the District

Lower Platte North NRD programs and projects are available to meet the goal of properly developing our water and related land resources.

The Lower Platte North Natural Resources District is located in the Lower Platte River Basin in eastern Nebraska and includes 1,031,000 acres of land. A portion of Saunders, Butler, Platte, Dodge, Colfax, Boone, and Madison Counties are within the district (see Appendix A), which includes twenty-eight cities, towns, and villages. Besides the Platte River, other notable tributaries in the district include: Bone Creek, Clear Creek, Duck Creek, Elm Creek, Loseke Creek, Rawhide Creek, Sand Creek, Shell Creek, Silver Creek, Skull Creek, Taylor Creek, and Wahoo Creek.

The population of the district is approximately 65,000, of which about half is rural and half urban. The Lower Platte North NRD is financed by a tax levy which may be up to four and one-half cents per $100 valuation for general purposes and another one cent for water programs. The FY 2024 tax levy is 0.025767 cents per $100 valuation.

Governing Body

The Lower Platte North Natural Resources District (LPNNRD) is governed by a 19-member Board of Directors (see Table 1). The directors are elected at the general election for a term of four years, with half of the members up for election every two years.

The district is divided into nine (9) subdistricts. Two board members are elected from each of the nine subdistricts, and one board member is elected at large every four years.

Table 1. Lower Platte North Natural Resources District Board of Directors

Sub-District 1	Lon Olson
Sub-District 1	Kelly Thompson
Sub-District 2	John Goldsberry
Sub-District 2	Bill Saeger
Sub-District 3	Dave Saalfeld
Sub-District 3	Andrew Tonnies
Sub-District 4	Chris Yosten
Sub-District 4	Matt Bailey
Sub-District 5	Mark Seier
Sub-District 5	David Lawrence
Sub-District 6	Joe Birkel
Sub-District 6	Robert Hilger
Sub-District 7	Ryan Engel
Sub-District 7	Ryan Sabatka
Sub-District 8	Jerry Johnson
Sub-District 8	Vacant
Sub-District 9	Duane Johnson
Sub-District 9	Bob Meduna Jr.
At Large	Thomas McKnight

The district operates by a set of bylaws which are kept on file at the district headquarters at Wahoo, Nebraska.

One of the great natural resources of Nebraska is the Platte River. It is the feature that attracted early settlers to our state and guided the wagon trails. Today, we look at the Platte River differently. It is a water source for agriculture and cities like Fremont, Lincoln, and Omaha, a haven for wildlife, and a place for recreation. Issues surrounding the Platte are a top priority at the LPNNRD, since approximately 72 miles of the river flow directly through, or border, the district.

Ice Jam Agreement

In 1994, the LPNNRD entered into an agreement with the Papio-Missouri River NRD, Lower Platte South NRD, and Cass, Douglas, Sarpy and Saunders Counties to more effectively deal with ice jams and their resulting flood damages along the Lower Platte River. This area of concern is primarily from Fremont, Nebraska to the mouth of the Platte River. This group has pooled funds of $150,000 to retain a contractor to use explosives when needed, to remove ice jams in a timely manner.

During the winter of 2023-2024, there were no ice issues of concern on the lower Platte River.

Rock & Jetty Program

This program was developed to offer cost-share assistance to landowners to construct erosion control devices for stream bank stabilization and to assist Dike and Drainage Districts with maintenance of dikes along the Platte and Elkhorn rivers and perennial streams. In FY23, $15,000 was budgeted for projects on rivers & streams. We assisted four cooperators on maintenance projects in FY 23-24 at a cost of $13,107.55.

Platte River Basin Long Range Objectives

- For the current year and the next 5 years administer $15,000 - $20,000 for the Bank Stabilization Program to cost-share on priority stream bank stabilization for cooperators on the Platte and Elkhorn Rivers and Perennial streams. Promote riparian buffer zones along the Platte River and other perennial streams This includes assisting cooperators with meeting the regulations of the Clean Water Act through section 404 permits.
- Keep up to date on Clean Water Act and Endangered Species Act regulations.
- Continue as a member of the Joint Water Management Advisory Board, provide leadership and assistance to move forward with exploring flood reduction solutions within Dodge County.
- Continue to participate with the City of Fremont and Dodge County to study potential nonstructural measures to reduce flooding and economic losses from the Lower Platte River.
- Assist the City of Schuyler as they evaluate the need for future federal funding for completing structural and non-structural approaches to reduce flooding and economic losses from the Platte River through the LPNNRD District-Wide Hazard Mitigation Plan.
- Encourage cities and counties within the District to initiate floodplain management planning to promote wise floodplain development.
- Continue to partner & support the Ice Jam Agreement in potentially protecting against ice jams on the Platte River and budget annually, as needed, for the Ice Jam Agreement Fund.
- Assist dike and drainage districts within the LPNNRD to properly repair and maintain levy projects.
- Provide support financially and technically to the Lower Platte Weed Management Area in controlling noxious and invasive weeds.
- Support the Nebraska Land Trust in acquiring easements for the protection and preservation of quality lands throughout Nebraska.
- Continue to support the Lower Platte River Corridor Alliance as an active voting member.

GROUND AND SURFACE WATER

One of the Lower Platte North NRD's major responsibilities is to conserve and protect our ground and surface water resources. To accomplish this goal, the Lower Platte North continues to participate in water quality studies, ground water level monitoring, and water resource educational activities.

Groundwater Management Area

Current rules and regulations and the Groundwater Management Plan (GWMP) are available at the LPNNRD headquarters in Wahoo and on the district website at www.lpnnrd.org.

LPNNRD implemented a District-wide Groundwater Management Area (GWMA) on January 1, 1997, to address both water quality and quantity concerns.

- Spring of 2024 LPN started the process of updating its GWMP.
- In 1997, groundwater quality Phase I (education) regulations became effective for the entire District.

One primary rule in Phase 1 requires certification for fertilizer and water use.

- The District has developed a groundwater program emphasizing a protection-based approach rather than a reactive, corrective approach.
- The District has two Phase groundwater quality control areas, those being Bellwood in 2003 and Richland/Schuyler in 2004.
- A grant was received from the Water Sustainability Fund in November 2022.
- This grant conducted a geological assessment to go with the AEM flights along with offering cost-share for best management practices in the Schuyler - Richland Phase Area.
- In July 2023 a second WSF grant with LLNRD and USGS were approved to determine nitrate legacy from Richland to Fremont.

In June 2018, the District updated its Groundwater Rules and Regulations

- A Phase Four was added for Water Quality
- Water Quantity will manage water by consumptive use or acre feet limitations.
- As of July 1, 2023, the District had 9477 registered active wells with 4625 irrigation wells and 212 wells in the GWEL network.

There are two designated Special Quantity Subareas in Butler-Saunders Counties and Platte-Colfax Counties. The District mandated water flow meters, rolling allocations and annual reports in these areas starting in 2016.

A Lower Platte Basin plan with 7 NRDs and NeDNR was developed starting in 2017.

- An allotment formula in 5-year increments was implemented to determine the acre feet used for new water uses.
- The District completed its V-IMP in June of 2018 by adding an additional rule of requiring municipalities to report yearly water use
- The group updated the plan for next 5-years in 2022 with new allotments until 2027.

A Consortium for drought consideration was developed In 2016, made up of the 3 NRDs, Lincoln Water System (LWS), Metropolitan Utilities District (MUD), and the Nebraska Department of Natural Resources (NeDNR).

- A drought contingency plan was developed to maintain/mitigate sustainable water supplies to the Lower Platte River during drought conditions.
- Projects continue to be considered for supplying water into the Platte River

- A 5-year update will be completed in 2024.

Ground Water Quality Sampling

The Lower Platte North NRD continues efforts to develop a ground water quality inventory. The District has been divided into four primary aquifer regions: Todd Valley, Platte Valley, Shell Creek and the Uplands, and further divided into 26 subareas. These subareas are rotated for water quality sampling throughout the District Staff samples the same wells called the Statewide Network each summer, weather permitting, to determine long term trends for nitrate-nitrogen. The data collected is provided to the Nebraska Department of Environment and Energy (NDEE). NDEE in turn provides this to the Nebraska Legislature on an annual basis.

In 2023 samples were collected from 52 sites.

Year	Nitrate-Nitrogen Range	% Nitrate-nitrogen 0-8.0 ppm	% Nitrate nitrogen 8.01-10.0 ppm	% Nitrate nitrogen > 10 ppm
2023	0 - 20.6 ppm	67% (35 of 52)	12% (6 of 52)	21% (11 of 52)

Samples for pesticide analysis were collected from ten of these sites (19%). The pesticide analysis was for a suite of 25 parameters, and all results were less than reporting level.

Ground Water Energy Level Monitoring Network

One of the responsibilities of the NRDs in the State is to monitor fluctuations in groundwater levels. With the help of area cooperators, a ground water energy level (GWEL) monitoring network has been established in the LPNNRD. This monitoring network has been established to obtain a better understanding of the groundwater levels throughout the District. As of Spring 2024, the LPNNRD had 212 wells in the GWEL monitoring network. These wells are monitored each spring and fall, with selected wells also measured in late August.

The LPNNRD compares the latest spring reading to the 1987 base-year to determine if a subarea needs to be declared a Level 2 or Level 3 groundwater management area. Level 2 and 3 management areas require flow meters on wells, annual reporting of water use, and establishment of acre-inch allocations. For the 26 sub-areas within the District, 19 subareas are currently at Level 1 management, while the other 2 sub-areas still need additional information before these can be designated. Sub-Areas along the Elkhorn and Platte Rivers are showing some of the wells reaching Level 2 and 3 management. The District prefers at least three years of data before the subarea can be designated as a Level 1, 2, or 3 management area.

Fall readings in 2023 and Spring of 2024 showed a decline from the previous year's measurement. This change was the continuing lack of moisture in the last 2 years. Spring readings in 2024 showed a 1.17 feet lower of the wells measured compared to Spring of 2023. Each aquifer sub area showed a decline from the previous year.

Chemigation

Chemigation is the act of injecting chemicals into the water line of an irrigation system that is then applied onto the crops. It is considered to be one of the most efficient ways of applying essential nutrients in times when the crop is uptaking the most amount of nitrogen through its

growing stages. In order to chemigate, a licensed permit holder must obtain a permit through the Lower Platte North NRD. Special equipment must be installed to protect Nebraska's groundwater from possible back-flow of chemicals into the groundwater source. To obtain this permit, which is administered through NDEE, you must pass the Chemigation Certification test. This test is conveyed and taught through the University of Nebraska-Lincoln's certification program. There is an online test option available to producers. The chemigation equipment must be properly equipped, inspected and approved by the NRD before applying any chemicals.

Chemigation Permits	Total	Renewal	New	Emergency
July 2023	704	643	61	0
July 2024	708	652	56	0

In 2014, the Legislature approved changes to Title 195 that would allow individual NRDs to set chemigation fees. Chemigation fees for LPNNRD are as follows: $90 for a New permit, $30 for a Renewal permit, and $300 for an Emergency permit. Inspections are required on equipment for new permits. Renewal permits are inspected on a three-year rotation. Failure to renew by June 1st of the following year will cause the permit to lapse. If a renewal permit lapses, the producer must obtain a new permit and an inspection is required.

Decommissioned (Abandoned) Wells

Abandoned wells are a health and safety concern and have been ruled as illegal by the Nebraska Legislature. A well not used for three consecutive years or one which is no longer useful is considered to be abandoned and needs to be properly decommissioned.

The Lower Platte North NRD offers up to 75% cost share assistance to landowners to properly decommission abandoned water wells. In addition, the district will assist with up to 75% of the cost for pump and obstruction removal on domestic and stock wells. To receive cost share assistance, the actual decommissioning must be performed by a certified well driller or pump installer. The landowner has six months from the time of application to accomplish this task unless good cause is shown.

Since 1992 the district has administered local and state cost-share dollars to decommission 749 wells. Through this program in FY 23-24, a total of $15,117.00 was administered by LPNNRD for the plugging of 15 wells.

Flow Meter Maintenance Program/Readings

Since 2008, the LPNNRD has implemented the requirement of installing a District approved flow meter on any new or replacement well. Thereafter in 2012, the District also required the installation of a flow meter on any expansion of acres from an existing well. This pumping information is invaluable to the District to know what has been pumped during years of extended drought. It is vital that the LPNNRD keeps track of this going forward into the future. In order to know the volume of water within our aquifer systems, we need to know the water that is being extracted.

Along with the irrigation wells, the LPNNRD also records meter readings from all of the municipality wells within the District including MUD, Lincoln and Fremont. Livestock wells and commercial wells are required to report if the well was drilled after the 2012 requirement date. Over 1,200

readings are recorded annually throughout the LPNNRD District. The district provides funding for meter maintenance on approximately 1,150 irrigation well flow meters that are getting routine maintenance once every four years.

Registered Wells and Well Permits

The Nebraska Legislature declared that conservation and the beneficial use of ground water are essential to the future well-being of the State. State Law requires that all water wells in the State of Nebraska be registered with the Department of Natural Resources. Wells that are not registered are illegal and should be registered as soon as possible. A breakdown by decade from 1970 to present shows the growth of active irrigation wells in the District.

Table of Active Irrigation Wells within LPNNRD compiled by Completion Date

Date	Number of Active Irrigation Wells in the District
December 31, 1970	1,428
December 31, 1980	2,756
December 31, 1990	3,241
December 31, 2000	3,686
December 31, 2010	4,307
December 31, 2020	4,554
July 1, 2024	4,625

From July 1st, 2023 to July 1st, 2024, the District has issued 33 well permits with 30 for new and replacement irrigation wells.

Special Studies

The LPNNRD has done a number of studies within the District. The following is a summary of studies that are currently being conducted within the District.

Aquifer Vulnerability Mapping and Analysis

- To collect and analyze data within the LPN Water Quality Management Areas for nitrates and source of nitrate.
- Vadose soil sampling analysis to assist in determining the amount of nitrates in soil and pore water present in the unsaturated zones above the water table.
- A nitrate tool was developed utilizing the data, along with geological information to assist in determining vulnerability.
- Age dating of groundwater was conducted in 2023 with results at the end of 2024.
- The analysis is now being conducted in the Shell Creek Aquifer Region

3D Airborne Electromagnetic (AEM) Hydrogeologic Framework and Assessment

- Papio-Missouri River NRD, NeDNR and LPNNRD started a study in January 2021 to assess AEM survey information, well logs, and other geological information.
- The data is available for staff to characterize different geological layers and assign variables such as hydraulic conductivity.
- This data is being utilized for groundwater modeling to better understand, assess, and forecast groundwater. Completion of the groundwater model for the Lower Platte River Basin is planned for early 2025.

Lower Platte River Consortium Study

- This study looked at long term water supplies in the Lower Platte River Basin, and the ability to enhance streamflow, especially in drought conditions.
- Sustaining water in the river would also provide a benefit to wildlife and agriculture by lessening the likelihood of a 'call' on the river.
- The plan was completed in Spring 2020 with the group now in the process considering the options from the plan to determine the feasibility of projects.

Eastern Nebraska Resources Assessment

- LPNNRD is a partner in the Eastern Nebraska Water Resources Assessment (ENWRA).
- The ENWRA study has been utilizing Airborne Electromagnetic (AEM) over eastern Nebraska to better model the geology of the glaciated portion of the State.
- The flights and the results can be found on the ENWRA website at (www.enwra.org).

Certifying Acres

In July 2009, the District signed a contract with gWorks (formerly GIS Workshop) to develop a database of county assessor records as the preliminary step to certifying irrigated acres. As of January 2022, the majority of the irrigation in the district has been cataloged. The District is still granting new irrigation development with verification by aerial photography and accurately modeled before entering into the database. Acre certification provides an inventory of the irrigation needs of the District, which is an important part of present and future groundwater management and planning. In addition to cataloging irrigated acres, LPNNRD staff have been actively working with the Nebraska Department of Natural Resources (NeDNR), as well as local landowners, to bring all irrigation wells in LPNNRD into compliance with Nebraska Revised Statute 46-602 (7).

Nebraska Ordnance Plant Water Pollution Clean Up at Mead

During the 1940s, 1950s and 1960s, an Army Ordnance Plant near Mead was used to assemble bombs and served as an early Atlas Missile ICBM site. Over time, the soil and groundwater at the plant site became polluted with various explosive residues and solvents. The cleanup has been divided into three basic project areas: Soils (OU1), Ground Water (OU2), and Building contamination (OU3). This area has been under study by the Army Corps of Engineers (COE) since 1988. An open house was held by the Corp, May 2024, with annual tours and open houses conducted regularly.

Wellhead Protection Program

The LPNNRD implemented a wellhead protection program in FY 2001. The goal of the program is to minimize potential polluting activities on the land surrounding a community's public water supply well(s). The District has identified 22 communities with public supply wells and they have been encouraged to become involved in the program. The Communities of Newman Grove and Platte Center received a Source Water Protection Grants to re-evaluate and approve their wellhead management areas. The LPN is working with these communities along with assessing the nitrate issues along the Shell Creek Region.

Rural Water Districts

In recent years, the District has worked with communities who have had difficulties with water quality and quantity by forming two rural water systems. The Butler County system linked the village of Bruno in 2006, who was having water quality and quantity problems, to David City. Also in 2006, the Saunders County system linked the village of Colon, who was experiencing water quality concerns, to Wahoo. The LPNNRD operates both of these systems. The District

purchases water from the larger communities and delivers it to the smaller communities; RW staff manage and maintain Colon's system and billing while Bruno manages their infrastructure and household billing. Both systems are designed to serve rural customers along each service route. Combined, the two systems serve over 135 households in Saunders and Butler Counties. To address fiscal concerns both RWDs have implemented a phased rate increase strategy to more diligently manage the financial standings of both districts. The District has been in contact with several other communities and anticipates several more communities and rural customers to be serviced by rural water systems in the future as rural communities face an increased burden at providing adequate quantity, and quality, water while maintaining aging infrastructure. Both systems are greater than 10 years old and repairs/replacements of meters is expected to take up RWD staff's time in 2024-25 as a number of meters and components are nearing the end of their expected service life.

The Environmental Protection Agency (EPA) revised the Lead and Copper Rule in 2022 and required all PWS to submit a lead service line inventory. This inventory takes into account all water service line from transmission main to first service connection within households. This has required multiple contacts with homeowners and will be a living document to be updated in perpetuity.

Geographic Information System (GIS)

The District has incorporated the use of Geographic Information System (GIS) technology into most district functions, including the certification of irrigated acres, maintenance, project planning, modeling of groundwater availability, and the movement of contaminants such as nitrates through the soil profile. In addition to in-house GIS activities, LPNNRD GIS staff assist a variety of partners, including projecting FSA aerial photography into Nebraska State Plane Feet coordinates for NeDNR, custom authoring of maps for the Nebraska Land Trust, coordination of helicopter flight lines for invasive species control with the Lower Platte Weed Management Area, and helping other NRDs with GIS questions as they emerge.

LPNNRD's database allows for quick and efficient lookup of any information pertaining to any project or cost share that has been completed for any constituent with land in LPNNRD.

As drone technology continues to evolve, LPNNRD has added a SkyDio2 Autonomous Drone to its inventory.

Ground and Surface Water Long Range Objectives

- Continue groundwater quality sampling throughout the LPNNRD, both the State-wide network and intensive sampling of selected regional aquifers. To work with other agencies on assessing legacy nitrate.
- Continue water quality education programs based on the goals and objectives of the LPNNRD Groundwater Management Area, which includes LPNNRD certification classes for landowners, municipal, and industrial water users.
- If needed, designate further Phase II, III, and IV boundaries for the Groundwater Quality Management Areas.
- Continue with nitrogen application demonstrations and participate with demonstrations on integrated pest management and sustainable agriculture.
- Assist in the proper decommissioning of water wells in the district by administering state and local cost-share funds to decommission abandoned water wells.
- Continue measurement of ground water energy levels in the district and if necessary designate

new Special Quantity Subareas (SQS).

- Continue to cooperate with the United States Geological Survey (USGS) in monitoring surface water levels and the Eastern Nebraska Water Resources Assessment (ENWRA) for groundwater geological assessment including AEM flights.
- Maintain a multi-agency groundwater energy level monitoring network in the Wann Basin of the Platte Valley north of Ashland to pool information from different agencies collecting water level data. This information is being used by the COE and MUD to refine their groundwater modeling efforts.
- Continue to implement the Chemigation Program to inspect safety equipment on permitted irrigation systems in the district. Educate the need for check valves in protecting the aquifer from contamination.
- To finish the development of a groundwater model to assist in management for each sub-area. Additional information on water use from all wells will be needed for accurate information. Initiate additional studies to identify vulnerable aquifers and modify GWMA rules and regulations to protect these aquifers and their long term sustainability.
- Continue using AEM (airborne electromagnetic) information to analyze bedrock aquifers both in water quantity and water quality. Test holes and monitoring wells will have to be installed and sampled to determine these as a possible source of usable groundwater. New management strategies need to be developed for these aquifers such as summer trigger levels for confined bedrock aquifers, especially if these are hydrologically isolated from overlying alluvial aquifers.
- Utilize the completed Lower Platte River Consortium Study for possible locations for recharge and reservoir sites to better convey water downstream in the watershed.
- Continue to update the Groundwater Management Plan to include Integrated Management of surface and ground water and to consider drought concerns.
- Expand the GWEL network wells in criteria subareas and to have continuous recording monitoring and real-time reads wells in each sub-area to better manage the resource.
- Continue to assist District communities who have difficulties with water quality and quantity by helping determine rural water system feasibility including the Saunders County Rural Water System study. .
- Keep abreast of updates and new iterations of neighboring NRD studies.
- Continue working on projects identified and keeping updating quality objectives in the Watershed Quality Plan. Partner with state agencies in conducting these projects.
- Continue with the District's Well Permitting Program and Variance Process throughout the District. Ultilize submitted water use data in this process and identify registered and unregistered wells.
- Provide information and education on water conservation, integrated pest management and safe disposal of farm and household chemicals.
- Assist in working with NRD's on activity of State and Federal Agencies, new research, and Legislative issues.
- Continue to install flow meters on irrigation wells that are required by GWMP and obtain grants for cost share for water flow meters,
- Continue with the process of updating the certification of irrigated acres and encourage producer participation in online reporting for entering their data to improve efficiency and quality of data.
- Continue to monitor clean up efforts by the COE at the Former Ordnance Plant at Mead, Nebraska and any other clean up efforts. To work with the COE to establish spacing requirements for future high capacity irrigation, industrial, and/or municipal wells that are requesting to be installed near known contaminant plumes from the Former Ordnance Plant

near Mead, so these wells will not interfere with the COE's clean up efforts.

- Review livestock permits from NDEE.
- Investigate irrigation runoff and groundwater management area complaints as needed.
- Continue to provide equipment and data for localized weather throughout the District.
- Communicate with well drillers and pump installers on water concerns within the District.
- Improve irrigation and nitrogen efficiency by working with UNL Extension and other agencies

SOIL CONSERVATION & LAND TREATMENT

In response to the Erosion and Sediment Control Act (LB 474), passed in 1986, the Natural Resources Commission developed the Nebraska Soil and Water Conservation Strategy. This strategy outlines a course of action for efficiently conserving and managing the state's natural resources. A number of significant rain events in 2024 caused an increase in erosion/sedimentation complaints. No violations were filed.

The Lower Platte North NRD administers the Erosion and Sediment Act and has patterned its local program after the state strategy. The district administers state and local cost-share funds through Soil and Water Conservation Programs (SWCP) to offer incentives to producers for installation of land treatment practices. LPNNRD staff also worked with NRCS staff to utilize Farm Bill Programs to repair erosion problems.

Soil and Water Conservation Programs (SWCP)

Under Soil and Water Conservation Programs (SWCP), the LPNNRD allocated $83,029.99 of state funds (Dept. Natural Resources) for land treatment practices during fiscal year 2024 in cooperation with 12 different landowner projects. In addition, two new Buffer Strip contracts were administered with $9,587.23 in state funds.

For fiscal year 2025, $83,058.36 of state funds (from the Nebraska Department of Natural Resources) and $25,000 of local funds will be allocated for soil and water conservation practices through the LPNNRD Lands for Conservation Program (LFC). The LFC program offers landowners a per/acre payment to set aside production ground to allow for summer construction. This lessens the burden on the fall construction season allowing more conservation work to be implemented.

Wahoo Creek Water Quality Land Treatment Efforts

Wahoo Creek in Saunders County, Nebraska, has resided on the Environmental Protection Agency's (EPA) list of impaired water bodies for decades. To address the impaired status of Wahoo Creek, LPNNRD in partnership with the U.S. Environmental Protection Agency (EPA) and the Nebraska Department of Environment and Energy (NDEE) developed the Wahoo Creek Watershed Water Quality Management Plan in 2013. These plans are updated every 5 years and the District is in the process of completing another update. This plan identifies goals to reduce excess phosphorus, nitrogen, soil sediments, and E. coli bacteria in the Wahoo Creek Watershed. This plan meets the EPA's requirement of containing "Nine Elements" of an effective watershed management plan. The plan identifies water quality goals to protect and enhance the quality of all water resources within the Wahoo Creek. Sub-watersheds within the Wahoo Creek Watershed were prioritized for future water quality projects. LPNNRD in partnership with EPA, NDEE, and the Natural Resource Conservation Service (NRCS) identified four Wahoo Creek sub-watersheds as National Water Quality Initiative (NWQI) areas to receive special EQIP and EPA 319 funding for landowners to complete conservation practices to help achieve the numerous identified water quality goals.

The NRD and the local NRCS field office have moved forward with creating a partnership position for a Watershed liaison/Source Water Specialist to help implement BMPs that are inline with the shared agency's water quality mission.

Shell Creek Watershed Water Quality Land Treatment Efforts

Shell Creek is a major tributary of the Lower Platte River. Land use in the approximately 305,000 acre watershed is predominantly row crop agriculture. Portions of Shell Creek are on the Environmental Protection Agency's (EPA) impaired waters list. The most notable impairments include *E. coli* (bacteria) and Atrazine.

The Shell Creek Watershed Improvement Group (SCWIG) is a volunteer committee that formed in 1999 to lead local efforts to identify problems and to promote implementation of conservation practices to improve water quality in Shell Creek. This evolved into an advisory group to LPNNRD continuing to provide local leadership toward reducing erosion and water quality impairments in the watershed. A community-based planning approach was used to gather input from the citizens of the watershed for development of the Shell Creek Watershed Environmental Enhancement Plan that emphasizes combinations of practices that improve water quality.

Over the past 25 years, the Shell Creek Watershed has benefited with over $2 million in EPA Section 319 funds combined with approximately $4 million in partnering federal and local funds for assisting landowners in establishing Best Management Practices on their farms. These efforts resulted in Shell Creek becoming the first agricultural watershed in the nation to have a segment delisted for atrazine contamination in FY 2018.

In FY 2023, the NRD secured $779,000 in grants from EPA/NDEE Section 319 and the Nebraska Environmental Trust (NET). These grant dollars matched with local funds are expected to yield over $1.4 million of water quality work in the watershed over the next three years.

Erosion and Sediment Complaints

The LPNNRD responds to occasional erosion and sediment complaints. In most cases, these complaints are resolved before going through the formal complaint process. Many cases are drainage issues that are resolved between the District and landowners. During FY2022 NRD staff was subpoenaed on a case between two neighbors that could not be resolved amicably. The case has yet to be resolved as both parties continue to work together. The area received multiple, intense, rain events during the spring/summer of 2024. The NRD was contacted by multiple landowners with complaints. No violations were noted.

Soil Conservation Long Range Objectives

- Use technical assistance from the NRCS in the planning, design, construction, and maintenance of conservation measures applied to the land.
- Use Federal, state, and local funds to promote and implement land and water treatment projects in priority areas of Wahoo Creek Watershed to reduce erosion and improve water quality. The NRD plans to coordinate with local NRCS through the National Water Quality Initiative (NWQI), NDEE's 319 program, and local funding efforts to achieve the goal.
- Continue encouraging the implementation of summer conservation construction utilizing federal funding within the Wahoo Creek Watershed through the Lands for Conservation program
- Administer $83,058.36 of State NSWCP funds and $25,000 of local cost-share and grant funds to landowners for the construction of terraces, tile outlets, waterways, diversions, small dams, planting of permanent vegetation, and maintaining water quality.
- Continue to promote conservation tillage measures, pasture & range management, sustainable agriculture, and the Conservation Reserve Program (CRP), through news releases and the district's newsletter.
- Recognize the Outstanding Soil and Water Conservationists.
- Continue to assist landowners in resolving soil erosion and sediment complaints.
- Provide financial support and staff time to conservation education activities.
- Continue to work closely with locally-led conservation groups to promote soil and water conservation throughout the district.
- Partner with the Shell Creek Watershed Improvement Group (SCWIG), EPA/NDEE, NET, and

NRCS toward continuing implementation of Best Management Practices in the Shell Creek Environmental Enhancement Plan Implementation.

- Work with NRCS, NDEE, NET, Saunders County, and the Wahoo Creek locally led Steering Committee in pursuing additional federal and state funds to assist with land treatment practices as defined in water quality objectives in the Wahoo Creek Watershed Water Quality Plan.
- Assist with the formation of local landowner advisory steering committees in the Wahoo and Bone/Skull Creek Watersheds for planning soil & water conservation practices and flood reduction.
- Please combine current year objectives with the projected five year objectives.
- FY 2024-2028 Soil Conservation Long Range Objectives (Sean DONE, Ryan DONE)
- FY 2025-2029 Soil Conservation Long Range Objectives (Sean, Ryan) DONE
- Maintain existing land treatment practices and programs.
- Continue to work with all counties in the district to reduce roadside erosion.
- Administer NET and NDEE/EPA 319 Grant Programs to improve water quality throughout Wahoo Creek, Shell Creek, and the Lower Platte River Corridor Alliance priority watersheds.
- Look for new and innovative soil and water conservation methods.
- Partner with NRCS, UNL Extension, and landowners to improve all aspects of their water and soil quality.
- Continue to support the Land and Range Judging Contests.
- Continue targeting SWCP land treatment program funds for priority watersheds in the District.
- Use existing and new technology and GIS software programs for implementing and promoting soil conservation practices.
- Promote the use of and make available soil surveys and land use information.
- Continue to support Locally Led Landowner Groups to promote and implement soil and water conservation practices.

Projects have been completed in priority areas in the LPNNRD to help reduce flooding and provide grade stabilization. Projects have been completed in Bellwood, Clear Creek, Cottonwood Creek, Sand and Duck Creek, Swedeburg, and Rawhide Creek watersheds. Current high priority flood reduction areas include Bone Creek, Shell Creek, Skull Creek, and Wahoo Creek watersheds. On federal and state projects where the LPNNRD acts as project sponsor, the district obtains land rights and is also responsible for operation and maintenance activities on these projects after they are built.

The LPNNRD offers local assistance for the construction of small dams that can help counties and/or landowners protect county roads, control erosion, and provide water for livestock and wildlife.

Wahoo Creek Flood Reduction Efforts

The NRD is currently in the process of building nine flood reduction dams in Wahoo Creek watershed, estimated to cost $19.7 million in 2020. Federal (WFPO) and state funds (JEDI) are expected to fund the entire project including planning, design, permitting, land rights, construction, and construction oversight. All necessary land rights, and permits have been acquired for first three sites. Construction will begin in Fall 2025 on sites: 26a, 26b, and 27. Construction is expected to begin in FY2026 on the remaining seven sites: 55, 66, 77, 84, 86, and 86. Completion of all nine dam sites is anticipated by the end of FY28.

Sand Creek Environmental Restoration Project (Lake Wanahoo)

With the invaluable assistance of numerous local, state, and federal partners, 2011 witnessed the completion of construction on Lake Wanahoo's earth embankment. The breakwater feature and the fisheries component were completed a few years prior to the embankment. Recreation components were completed for Lake Wanahoo in FY2011. Construction of seven upstream flood reduction/environmental enhancement structures were completed in FY12-14. In FY19, LPNNRD assumed Lake Wanahoo's recreation management responsibilities from the Nebraska Game and Parks Commission.

Operation and Maintenance

District staff complete annual inspections on 45 watershed structures and special projects in the District.. These inspections help detect problems before they become serious. Annually, noxious weeds and volunteer trees are sprayed, debris removed, fences repaired, on dams & Clear Creek Levee, and the Rawhide Ditch System, and risers unplugged on dams. The District is currently working with NRCS and a Engineer Consultant in the rehabilitation of dam Cottonwood 21-A.

Army Corps of Engineers 205 and GI Flood Studies

Over the past many years, the District has partnered with local entities and the US Army Corps of Engineers to study flood protection alternatives for their areas. In 2004, LPNNRD partnered with Fremont, Inglewood, and Dodge County to look at a potential levee project to remove areas from the Platte River 100-year ice induced floodplain. In FY 2017, the Fremont study evolved into a General Investigation (GI) Study which determined that there is not a feasible structural solution (levee) to the City of Fremont's flood threat from the Platte River. In 2018 the GI Study evolved back to a 205 Non-Structural Study for the City of Fremont and Dodge County. The Non-Structural effort will continue in FY 2025.

In 2005, LPNNRD entered into an interlocal agreement with the City of Schuyler to evaluate levee protection options to protect the city from flooding from the Platte River and Shell Creek. In FY

2012, the Schuyler 205 Study was completed and entered into the project design phase. In FY 2014 the design phase was completed and LPNNRD assisted Schuyler with obtaining needed land rights for the Shell Creek Levee portion of the project which began construction activities in the spring of 2014 and most construction activities were completed in the fall of 2015. LPNNRD continued to assist Schuyler in FY 2018 with closing out the project with the Army Corps of Engineers. Schuyler continues to do a great job in maintaining the levee.

Flood Control and Damage Reduction Long Range Objectives

- Continue with accelerated land treatment efforts and flood reduction opportunities in identified priority watersheds, Shell Creek, Skull & Bone Creek and Wahoo Creek in the District.
- Budget staff time and funds to complete annual and/or biennial inspections and maintenance such as spray noxious weeds & cut and treat trees on 45 dams, Clear Creek Levee, and Rawhide ditch and other project sites.
- Develop a long term plan for Operation and Maintenance costs associated with large structures.
- Continue to be an active partner on the Joint Water Management Advisory Board to explore flood reduction and drainage solutions in portions of Dodge County City of Fremont and complete the Rawhide Watershed WFPO Planning efforts.
- Partner with the City of Fremont, Dodge County, and Papio-Missouri River NRD to fund operation and maintain established USGS cameras at 5 locations and 2 stage-only water gauges along the Lower Platte River.
- Partner with Dodge County and City of Fremont on FEMA Drainage Improvement Projects.
- Continue to educate Cities, Counties and public on watershed management and flood reduction and to accept and implement Floodplain Management Authorities.
- Cooperate with landowners and counties in evaluating small dam sites for cost-share throughout the district.
- Continue to partner with the Army Corps of Engineers, FEMA, City of Fremont, Englewood, and Dodge County on exploring non-structural opportunities for feasible flood control solutions and the Hazard Mitigation Plan Flood Resiliency study.
- Support the City of Schuyler for exploring non-structural opportunities for feasible flood control solutions from the Platte River through the LPNNRD District-wide Hazard Mitigation Plan.
- Work with Communities, Counties, and other entities on projects identified in our District-wide All Hazard Mitigation Plan.
- Commit funds and staff time to complete flood water control/reduction plan and complete easement acquisition for all ten Wahoo Creek Watershed flood reduction dam sites.
- Begin construction on Wahoo Creek Dam Sites 26a, 26b, and 27, complete engineering designs on Wahoo Creek Dam Sites 55, 66, 77, 82, 84, 85, 86 and have them completed by 2028.
- Continue to update LPNNRD's district-wide All Hazard Mitigation Plan and assist District Communities in evaluating future flood protection for their communities
- Partner with NRCS and hired HDR through the Dam Rehabilitation program to rehabilitate dam Cottonwood 21-A.

The district administers several programs designed to enhance the region's forest, range, and wildlife land, including the Tree Planting Program, Wildlife Habitat Programs with Nebraska Game & Parks and Pheasants Forever, SWCP Program, and Mitigation Program.

Tree Program

One of the most visible and popular programs offered by the LPNNRD is the district's tree planting program. As a direct result of this program, begun in 1973, an estimated 890,100 trees and shrubs have been planted in the district. Trees and shrubs may be obtained from the NRD for windbreaks, shelterbelts, wildlife habitat, woodlots, and Christmas tree plantings. Besides providing a planting service, the NRD also designs tree planting plans and offers technical advice on ground preparation for tree sites.

During the spring of 2024, 16,875 trees and shrubs were distributed to District residents. Of this total, 9,886 were planted by the NRD field crew at 10 sites.

Wildlife Programs

Lower Platte North continues to encourage landowners to set aside land for wildlife habitat by using Federal Programs and Programs provided by Nebraska Game & Parks and Pheasant Forever.

Community Forestry Program

In FY 2023-2024 LPNNRD donated 900 tree seedlings for the District's annual Spring Conservation Sensation; the Fremont EcoFair and Newman Grove School. The District budgets $2,000 for Community tree development projects. The District did not assist a Community during the fiscal year.

Forestry, Range and Wildlife Habitat Long Range Objectives

- Plant and distribute conservation trees and shrubs through the district's Tree Planting Program with hopes of increasing the program each year..
- Continue to include tree planting as an eligible cost-share practice under the SWCP program.
- Offer trees and give staff presentations to elementary students across the district.
- Continue to promote Wildlife Habitat programs in cooperation with the Nebraska Game and Parks Commission and other partnering entities as opportunities arise.
- Assist cooperators with signing up for Wildlife Programs.
- Provide information and education on tree planting, woodland management, grassland management, and proper wildlife habitat enhancement through media, tours, and schools.
- Provide cost-sharing for the conversion of cropland to grassland through the SWCP program.
- Cooperate with Pheasant Forever Chapters to enhance wildlife habitat and establish windbreaks.

Czechland Lake Recreation Area

Czechland Lake Recreation Area is a multipurpose project located one mile north of Prague, Nebraska on Highway 79. Flood control, recreation, and education are the main benefits of the project. Located at a convenient distance from Omaha, Lincoln, Fremont, and Wahoo, the 85 surface acre lake is situated on 265 acres of public access land operated and maintained by the LPNNRD.

State park permits and fees are not required for entrance to the area. Czechland Lake has 11 electrical camper pads at an $18/night fee for the use of a camping pad. There are also three non-electrical pads. A Nebraska Fishing License is required for anglers. The lake fishery is managed by the Nebraska Game and Parks Commission, which stocks and monitors fish populations.

Originally built as one of twelve floodwater structures in the Cottonwood Creek Watershed, Czechland Lake has developed into one of the area's most popular recreation spots. The reservoir and recreation area development was built at a total cost of $1.8 million. Funding for the project was shared by the Nebraska Natural Resources Commission, Saunders County, USDA Natural Resources Conservation Service, and LPNNRD. Grant monies from the U.S. Environmental Protection Agency have been used to reduce nonpoint source pollution entering the lake and to provide educational resources.

The Czechland recreation area is extensively used each year generating between $8,500 - $10,000 in camping revenue. Mowing, trash removal, repair, and upkeep of park equipment, and thistle control kept LPNNRD park staff very busy during the spring and summer.

Homestead Lake (Skull Creek Site #55)

Construction was completed on Homestead Lake in 2001. The dam offers flood control for nearby communities, and has been developed for public recreation. Recreation facilities include a shelter, restroom, picnic areas, a boat ramp, and hunting areas. FY 2024 proved to be another very popular year for recreationists as the area was extensively used.

Lake Wanahoo

Work was completed on recreation facilities at Lake Wanahoo one mile north of Wahoo in FY 2012. Recreation facilities at the 1,600 acre site straddle the 662-acre lake, with camping and boating access on the west side and a day use area on the east. A rocked hiking/biking trail winds throughout the park, linking the east and west side recreation areas over a breakwater levee one mile north of the dam. Mowed trails north of the levee provide access to undeveloped areas set aside for wildlife habitat.

The camping area contains 75 camper pads, 54 tent camping sites, and 6 primitive cabins. All camper pads are equipped with electrical hookups and are rock surfaced. All sites have fire rings and picnic tables.

The recreation area offers access to two large boat ramps wide enough to accommodate four boats at a time. Boating on the entire lake is no-wake only.

The day use area on the east side of the lake has two large picnic shelters and two smaller ones, all offering scenic views of the lake. In FY 2017 a dump station for RV's was constructed on the east day use area as well as a disc golf course/nature educational trail.

Both the camping and day use areas provide excellent fishing access, with a total of seven fishing jetties. One jetty on each side has an attached handicapped pier. The lake was stocked with largemouth bass, bluegill, blue catfish, crappie, northern pike, and walleye beginning in 2008. Limited hunting opportunities will continue to be available at Lake Wanahoo through the Game & Parks Commission PATH Program, where adults can schedule a time to mentor a youth hunter at designated hunting sites north of the recreation area. An operation and maintenance plan was developed with the assistance of the Nebraska Game and Parks Commission and Pheasants Forever in FY 2014 which identified activities that were implemented in 2015 .

In FY 2019, LPNNRD assumed the responsibilities of administering Lake Wanahoo as a public recreation area from the Nebraska Games & Park Commission.

In FY 2020, the Clint Johannes Education Building was completed on the day use portion of the recreation area. This facility provides a protected outdoor education space for LPNNRD education activities, as well as a public rental facility for the public. Also in FY 2020, six new primitive cabins were installed in the primitive camping portion of the park to give visitors a unique alternative to tent camping.

Recreation Long Range Objectives

- Improve up to 20 additional sites with 50 amp service
- Continue to repair and replace damaged portions of the park from the May, 2024 storm event.
- FEMA has approved disaster relief funding for Saunders County, continuing work with FEMA to repair damages throughout Lake Wanahoo recreation Area.
- Continue to budget funds for maintenance, including grass mowing, tree trimming, grading roads, outhouse cleaning, trash removal, painting, and noxious weed control, at Lake Wanahoo, Czechland, and Homestead Lake Recreation Areas.
- Continue to improve our existing sites and evaluate the development of new outdoor public recreational opportunities as they arise.
- Design and install a 10-14 slip marina on the west side of the lake. Marina will enable campers with boats the opportunity to keep their boats on the water during their stay. Install a fish cleaning station also.
- Continue to assist NE Game & Parks and Pheasant Forever in developing new areas offering public access.

DRAINAGE IMPROVEMENT & CHANNEL RECTIFICATION

It is the general policy of the LPNNRD not to provide financial assistance for drainage improvement and channel rectification unless a project has public benefit and is sponsored by a County, City, Drainage District, or a group of landowners through an established Improvement Project Area. Under this policy, the district has cooperated on several projects that have provided public benefit.

Drainage Improvement and Channel Rectification Long Range Objectives

- Worked with Colfax County to complete new Shell Creek South Channel Improvement/ Benching Projects.
- Partnered with Dodge County and Fremont to support drainage improvements east of Fremont through FEMA.
- Partnered with the North Bend Drainage District, Dodge County, and City of Fremont to support the drainage improvement project for the North Bend drainage ditch through FEMA.
- Continue to oversee the Rawhide Creek West Branch Project to ensure that landowners properly control vegetation.
- Continue providing assistance to Platte Center with stabilizing segments of Elm Creek.
- Evaluate potential technical and funding assistance to counties, cities, and other entities in the district that sponsor sound drainage and channel improvement projects.

WASTE DISPOSAL & POLLUTION OBJECTIVES

Over 30 years ago, vast changes occurred in Nebraska's solid waste regulations. Landfills that weren't properly designed, operated, or sited were required to shut down, as were unauthorized dumps. In order for a landfill to operate, it must be approved by the State and receive a permit. If a permit is not issued, the landfill cannot legally operate. Currently, the only permitted landfill in the Lower Platte North NRD is a facility near David City.

Waste Disposal & Pollution Long Range Objectives

- Promote recycling efforts in the district through education programs, newsletters, and news releases.
- Participate in education efforts to promote the reduction of pollution to our air, water, and soil resources.
- Cooperate and be supportive of other group and agency pollution control efforts, education, and/or regulation.
- Assist and encourage all District communities in establishing collection locations for recyclable wastes.
- Assist District cities and counties in establishing pickup days for hazardous household and farmstead wastes as opportunities arise.
- Promote waste reduction efforts in the district through education and incentives.

INFORMATION & EDUCATION

A major responsibility of the LPNNRD is to keep the public aware of the district's various projects and programs, and to inform and educate children and adults about the wise use and management of our natural resources.

During fiscal year 2024, the Lower Platte North NRD conducted many activities to help residents learn the importance of our soil and water resources and to stay informed of issues and concerns regarding natural resources. Some of the highlights included the following.

Publications and Marketing

The NRD distributes two newsletters each fiscal year. The Winter issue of "The Viaduct" newsletter includes the Annual Report. In FY 2024, more than 23,000 copies of each newsletter were distributed in eight newspapers, emailed and mailed. Previous newsletters are available on the website at www.lpnnrd.org/downloads.

Various brochures describing LPNNRD programs and services were updated as needed. These brochures are displayed in the office and distributed during NRD sponsored events and exhibit booths. Press releases are distributed to district newspapers, email lists and radio stations.

Numerous ads highlighting LPNNRD programs and upcoming deadlines air on KTIC Radio monthly, and digital ads are displayed on Wahoo newspaper's website monthly.

The NRD continues to maintain information and education outreach for the district through the use of social media outlets on Facebook, X, and YouTube. These outlets are maintained weekly and provide information along with photos and videos about the district's ongoing activities and events.

The NRD's website at www.lpnnrd.org contains information on the district's projects and programs, along with staff information, board of directors information, as well as committee and board meeting minutes, and district publications. Online applications and registration forms for various projects and programs are also available. Additionally, online payment capabilities continue to allow customers to pay for trees, rural water bills, and Lake Wanahoo permits.

Promotional videos have been created for the Water Department, Operations & Maintenance department, Projects department, Information and Education department, and the three LPNNRD recreation areas (Czechland Lake, Homestead Lake, and Lake Wanahoo). These 30-second and 60-second videos are shown as educational purposes for presentations, on the LPNNRD website, commercials on area television stations, and featured on social media platforms. Past directors, current directors, and current staff have been featured in the videos. The commercials air on News Channel Nebraska and Nebraska Public Media throughout the year.

Education Programs

During FY 2024, the district continued with two year-long programs. The St. Wenceslaus Pre-kindergarten students learn about wildlife, trees, birds, soil and water conservation through books, pictures, stories, and hands-on activities. The students visited Lake Wanahoo at the end of the year for a field trip filled with nature hikes, nature crafts, and disc golf. The district teamed up with Wahoo Public middle school students for the Survival Club program, making a total of three school years of the program. LPNNRD staff and other outdoor enthusiasts met monthly with students during the school year to learn about hiking, knot tying, 2-legged predators, 4-legged predators, fishing, first aid, foraging for wild foods, fire building and other outdoor survival skills.

The district continues to participate in the Career Exploration Opportunities (CEO) Program with Wahoo Public Schools. During the fall semester of 2023, LPNNRD staff hosted one high school senior and he rotated between each department to learn about the LPNNRD responsibilities.

The Clint Johannes Education Building is utilized for events of all kinds. Local teachers and other organizations will use it for their students and staff as a meeting space with a great view and amenities. The LPNNRD utilizes the building for educational events each month. The event, Coffee Lakeside, has impacted close to 100 people, who meet in the building once a month. Topics included wildflowers, fireflies, animal adaptations, fall activities, phenology, nature based play, lake ecosystems, water flower identification, fungi, and more. All other NRD related events are also hosted in the building or another location at Lake Wanahoo.

Additional events throughout the year included Wildflowers and Wine, Trivia and Game Night, Back to School Night, Community Fishing Event, and Nocturnal Nights. These events drew in participants of all ages with some returning and some new individuals. Staff also participated in the county-wide, Kid's Summer Institute, that ran all of June. Students participated in dip netting for macroinvertebrates; birding; disc golf; nature journaling; and wild about wildflowers.

The Lower Platte North NRD and Lower Platte South NRD rotate in hosting the East Central Land Judging Contest. Land Judging is a competition for high students that challenges them to gain a better understanding of soil structure and land evaluation. The Lower Platte North NRD works with local NRCS employees to choose a site location and help with site preparation. The Lower Platte North NRD staff and NRCS staff will assist in the preparation, contest monitoring, and scoring efforts during the contest.

The annual LPNNRD Spring Conservation Sensation was held on May 1st at Lake Wanahoo. Fifth and sixth grade students from Saunders, Butler, and Dodge Counties participated in various activities. Hands-on activities were presented by LPNNRD staff, additional personnel from various agencies and organizations, and volunteers to teach students about the environment, natural resources, tree planting, lake ecosystems, wildlife education and more. Nearly 300 students attended the event.

The third annual LPNNRD Natural Resources Camp was held at Lake Wanahoo. For one week, attendees learned how to fish, how to go birding, about the amphibians and reptiles of Nebraska, and insects, both macroinvertebrates they found in the lake and the land dwelling butterflies and moths.

Test Your Well Event is a program that partners with area FFA chapters to host public events, providing nitrate testing of water samples from private wells at no cost to the attendees. The district held 2 events in FY 2024.

District staff provided various presentations and activities during natural resources festivals, field days, out-of-school time programs, school classrooms, online activities on the LPNNRD website, and adult education events. As a result of the district's educational outreach efforts, there was interaction with approximately 3,504 youth and 326 adults in FY 2024.

Information & Education Long Range Objectives

- Publish the district newsletter "Viaduct" biannually in an electronic format and as a printed newspaper insert in 8 area newspapers.

- Send timely news releases to the local media on various LPNNRD programs, projects, and activities.
- Disperse pamphlets and other publications about LPNNRD programs.
- Update the district's website frequently.
- Provide a display at county fairs or agriculture events (up to five major counties) within the district.
- Continue information and education outreach for the district through the use of tools such as local radio stations, local TV stations, and social media outlets.
- Provide district elementary students with free trees, as requested, in the spring.
- Provide LPNNRD staff as requested to speak to community organizations and schools on NRD activities and environmental topics.
- Provide various education programs, events, and activities to area schools and out-of-school time programs.
- Host the East Central Region Land Judging Contest in the fall of 2024.
- Host the annual Spring Conservation Sensation in May 2025.
- Develop new programs and promotional projects to aid in outreach efforts of the district.
- Provide assistance and publications for the students involved in the Shell Creek Watershed Monitoring Program.
- Continue to provide a scholarship for graduating seniors in the Shell Creek Watershed Monitoring Program who plan to pursue higher education relating to science or natural resources.
- Search for new and effective ways to inform and educate the public on the NRD purpose and programs.
- Participate with the Information & Education (I&E) Staff Group to coordinate statewide I&E activities and produce statewide products.
- Increase participation in activities sponsored by other agencies relating to the NRD's responsibilities.
- Seek to have conservation/environmental education as a part of the school curriculum.
- Support environmental education activities and events throughout the district, and neighboring NRDs.
- Assist in the development of an outdoor classroom for a district school.
- Partner with district schools to host Test Your Well Events annually.

The staff of the Lower Platte North NRD includes 21 full-time and 11 part-time/seasonal employees. The NRD administers a full-time field technician, four field office assistants in Natural Resource Conservation Service county offices, and a Recreation Facilitator for Czechland & Homestead Lake Recreation Areas.

Included in the part-time positions, the district employs seasonal conservation technicians to assist in the layout of land treatment structures. There are seasonal summer employees hired to help with Lake Wanahoo, water sampling, tree planting, and maintenance of LPNNRD projects. Personnel positions and assigned responsibilities may increase in the future as increased project and program responsibilities increase.

Current staff as of September 1, 2024:
Sydney Abbott, Education Coordinator
Daryl Andersen, Water Resources Manager
Kaitlyn Bargen, Wanahoo Recreation Supervisor/Water Resources Specialist
Brandon Beethe, Grants/GIS Coordinator
Jill Breunig, Bookkeeping Department Head/Administrative Assistant
Ryan Chapman, Assistant General Manager
Sean Elliott, Projects/Rural Water Manager
Carson Euse, Recreation Facilitator Czechland & Homestead Lakes
Eric Gottschalk, General Manager
Bob Heimann, Operations & Maintenance Manager
David Moore, Operations & Maintenance Technician
Russell Oaklund, Lead Water Resources Specialist
Karen Rezac, Department/Administrative Assistant
Lacey Sabatka, Information Coordinator
Jon Speichinger, Operations & Maintenance Technician
Jacob Stover, Water Resources Specialist

Staff Support for NRCS Offices:
Adam Brockman, Conservation Technician
Jessica Marty, NRD/NRCS Field Office Assistant (Dodge County)
Marla Milliken, NRD/NRCS Field Office Assistant (Saunders County)
Kristin Miller, NRD/NRCS Field Office Assistant (Colfax County)
Kimberly Piitz , NRD/NRCS Field Office Assistant (Butler County)

FINANCES

Funding required for the LPNNRD projects and programs for Fiscal Year 2025 requires a general operating budget of $14,085,234 of which $3,480,715 is required from the district's local tax levy. The FY 2025 tax levy of .025767 cents per $100 actual valuation is required from District property. Projected expenses and income for FY 2022-2030 are shown in Appendix F.

A tax levy of .025767 means that an owner of a $150,000 home will pay $42.98 in NRD taxes in FY 2024. An owner of farm land valued at $7,000 per acre will pay $2.00 an acre/year to the NRD in FY 2025. The LPNNRD levy represents about two percent of the total property tax collected.

Although it is expected that the amount of revenue from all sources will fluctuate during the next few years, it is anticipated that the LPNNRD will operate at a mill levy between $0.025 and $0.055 per $100 actual valuation as the District continues to assist with flood reduction project priorities and to address our responsibilities with groundwater water quality and quantity management.

The following is an initial list of potential changes and a brief rationale for each.

* Increase the maximum soil rental rate allowed to closer align with increases to USDA soil rental rates. In certain counties, the average USDA soil rental rate exceeds the $250/acre maximum currently allowed by the program. (requires a change to statute)

* Add an additional financial incentive for a minimum buffer width of 75 feet. This would encourage a minimum width of buffer that would also help producers meet required pesticide application setbacks along streams and other waterbodies. (requires a change to regulation)

* Allow contracts to be a maximum of 15 years, to allow better alignment with USDA program contracts. (requires a change to statute)

* Add Contour Buffer Strips, including Prairie Strips, as an eligible practice, using the same rate calculations and incentives. (requires a change to regulation)

* Emphasize management and maintenance requirements of the practices in the landowner contract. These buffer practices have a limited lifespan for achieving the most water quality benefits, and routine maintenance of the practices will increase the lifespan for these benefits. These activities will also increase the opportunities for re-enrolling acres at the highest rate.

* Add Riparian Herbaceous Cover as an eligible practice for acres that were designed and enrolled as a filter strip, but no longer meet the filter strip standards because of degraded vegetation. This practice would receive a lesser, to be determined, payment rate. Many acres currently in the program, while still offering water quality benefits, have not been maintained and have had their species composition shift. This would allow acres to be re-enrolled, but at a lesser rate. (requires a change to regulation)

However, NDA is open to other ideas and has posed additional questions for NRDs to consider.

* Are there procedural or programmatic changes needed? What works? Are there things the agencies could do better?

* Are there other practices that should be included?

* Are buffer strips, including those currently eligible and those proposed above, still needed? Are other types of conservation practices more effective and/or generally lacking in Nebraska agriculture?

Nebraska Buffer Strip Program Summary

NRD	# Applications	Total Acres	Miles	Irrigated Acres	Annual Application Dollars	'BSP Only' Acres	BSP only Dollars	Contracted Acres	Annual Contracted Dollars
Central Platte	10	94	8	53	$17,527.21	87	$17,063.48	94	$17,527.21
Lewis & Clark	7	40	5	11	$4,442.85	18	$4,038.08	40	$4,442.85
Little Blue	44	227	36	130	$43,306.11	210	$42,302.25	227	$43,306.11
Lower Big Blue	123	727	112	159	$128,296.04	582	$121,825.36	720	$127,147.04
Lower Elkhorn	39	281	35	54	$54,807.96	221	$52,636.85	281	$54,807.96
Lower Loup	54	627	57	533	$132,947.54	619	$132,437.54	627	$132,947.54
Lower Platte North	33	242	27	45	$51,342.72	222	$50,230.05	228	$49,139.26
Lower Platte South	30	183	24	11	$34,582.95	145	$32,918.82	183	$34,582.95
Middle Republican	2	18	3	8	$2,539.90	18	$2,539.90	18	$2,539.90
Nemaha	109	673	84	9	$115,817.26	478	$108,711.14	630	$105,117.26
Papio-Missouri River	7	39	6	1	$9,750.00	39	$9,750.00	39	$9,750.00
South Platte	11	187	13	82	$21,832.73	148	$21,569.27	187	$21,832.73
Tri-Basin	2	28	2	28	$6,210.00	28	$6,210.00	28	$6,210.00
Twin Platte	6	56	5	18	$4,098.83	5	$1,012.50	56	$4,098.83
Upper Big Blue	24	184	25	103	$35,169.54	158	$33,355.20	184	$35,169.54
Upper Republican	5	83	6	0	$6,997.99	74	$6,910.67	83	$6,997.99
	506	**3,688**	**447**	**1,244**	**$669,669.63**	**3,050**	**$643,511.11**	**3,624**	**$655,617.17**

LAND-USE DOLLARS

Annual $ for Irrigated w/o CRP
$257,096.25

Annual $ for Irrigated w/ CRP
$10,408.36

Annual $ for Non-Irrigated w/o CRP
$386,615.42

Annual $ for Non-Irrigated w/ CRP
$15,549.60

LAND-USE ACRES

Irrigated Acres w/o CRP
1,143

Irrigated Acres w/ CRP
101

Non-Irrigated Acres w/o CRP
1911

Non-Irrigated Acres w/ CRP
533

BUFFER TYPE

Forested Buffer Acres
32.1

Potential Obligation for Approved Applications
$6,230,402.77

Total Obligation for Approved Contracts
$6,153,651.87

NRD FINANCIAL AGREEMENT
STATE PROJECTS

STATE OF NEBRASKA, DEPARTMENT OF TRANSPORTATION
LOWER PLATTE NORTH NATURAL RESOURCE NRD
PROJECT NO. MISC-77-6(1080)
CONTROL NO. 13502
DRAIN MITIGATION

THIS AGREEMENT is between Lower Platte North Natural Resource ("NRD"), and State of Nebraska, Department of Transportation ("State"), collectively referred to as the "Parties".

WITNESSETH:

WHEREAS, State is currently constructing a project, identified as, MISC-77-6(1080), Wahoo Intersection; and

WHEREAS, NRD has requested to have work added to State's construction project, namely the construction of seepage diaphragm mitigation drains around existing utility facilities (hereinafter the "Added Work") in the area of State's project at the locations shown in Exhibit "A", and

WHEREAS, NRD will be responsible for the design of the Added Work and NRD's design will be used by State as the basis for a construction change order with State's Contractor; and

WHEREAS, NRD agrees to pay the preliminary engineering and construction costs related to the Added Work, and such costs are currently estimated to be $34,800, and

WHEREAS, the Parties intend that this Agreement describe the roles and responsibilities applicable to the Added Work on State's construction project; and

WHEREAS, NRD will obtain a Permit to Occupy the highway from State, on behalf of Windstream Communication and the City of Wahoo; and

WHEREAS, NRD will be required to enter into a separate agreement with both Windstream Communication and City of Wahoo to allow for the State's contractor to perform the work to the utilities; and

WHEREAS, upon completion of the State's construction project including NRD's Added Work, State will have no responsibility for the operation, maintenance, repair, reconstruction and replacement of the Added Work; and

WHEREAS, the NRD Board has authorized the Director to execute this Agreement, as evidenced by the Resolution of NRD Board dated the _____ day of _____, 20___, attached as Exhibit "C", and incorporated herein by this reference; and

NOW THEREFORE, in consideration of these facts and the mutual promises of the Parties hereto, the Parties agree as follows:

SECTION 1. DURATION OF THE AGREEMENT

1.1 ***Effective Date*** -This Agreement is effective immediately on the date it is fully executed by the Parties.

1.2 ***Renewal, Extension or Amendment*** -This Agreement may be renewed, extended or amended by mutual agreement or as otherwise provided herein.

1.3 ***Identifying Date*** - For convenience, this Agreement's identifying date will be the date the State signed the Agreement.

1.4 ***Duration*** - This Agreement will remain in full force and effect for future responsibilities of NRD described herein, such as for maintenance, unless such responsibilities have been rescinded by State. State will treat the remainder of this Agreement as inactive upon the happening of either (1) the waiver of an audit review, or (2) the final completion of an audit review by the State or its authorized representative and the resolution of all issues identified in the audit report.

1.5 ***Termination*** - Further, State reserves the right to terminate the Agreement as provided herein.

SECTION 2. DESCRIPTION OF THE ADDED WORK

2.1 Generally, the improvements to be constructed within the project limits include the construction of seepage diaphragm mitigation drains around existing utility facilities ("Added Work") of Windstream Communication and City of Wahoo, as shown in the plans and specifications and as shown on Exhibit "B", attached and incorporated herein by this reference.

2.2 The Parties agree State will add NRD's plans and specifications into State's project and will cause the Added Work to be constructed at the location shown on Exhibit "A", attached, and incorporated herein by this reference.

SECTION 3. STATE RESPONSIBILITIES

State shall:

3.1 Execute a change order with State's Contractor to include the work identified herein as the Added Work.

3.2 Supervise and cause completion of the construction of the Added Work as designed by NRD and as included in the State's construction contract documents and modifications thereto. State has sole authority to execute any contractor change orders-supplemental agreements required for the Added Work. State will notify the NRD of any contractor change orders-supplemental agreements that increase NRD's cost.

SECTION 4. NRD RESPONSIBILITIES

NRD shall:

4.1 Provide the engineering design and specifications that will be used by State's Contractor to construct the work requested by NRD.

4.2 NRD will obtain a Permit to Occupy the highway from State, on behalf of Windstream Communication and the City of Wahoo, and such permit is attached as Exhibit "C" and incorporated herein by this reference. Submit all required permit documentation for the three seepage diaphragm mitigation drains and pay all costs associated with permitting.

4.3 NRD will enter into a separate agreement with both Windstream Communication and City of Wahoo authorizing State's contractor to construct the Added Work. These executed agreements are, or will be, attached as Exhibits "D.1" and "D.2", and incorporated herein by this reference.

4.4 Understand that the construction change order relating to the Added Work will be based entirely on the engineering design and specifications that the NRD submitted to State.

4.5 Be available for consultation with State's Contractor regarding any issues with the engineering design of NRD's Added Work, and for inspection of the completed work.

4.6 Pay State's costs relating to NRD's Added Work.

4.7 NRD will be responsible for any necessary utility relocation work and any other costs

associated with installation or construction relating to NRD's Added Work.

4.8 NRD will be liable for damages or impacts to other utilities caused by or as a result of NRD's Added Work.

4.9 Agree that upon State's acceptance of the project, NRD will be solely responsible for the maintenance, repair, reconstruction, and replacement of NRD's Added Work. NRD will be responsible for any damages resulting from NRD's Added Work.

4.10 Perform the present and future duties assigned to NRD under this Agreement at its sole cost.

SECTION 5. CONSTRUCTION SCHEDULE

State or State's Contractor will determine the construction schedule for State's project including the Added Work.

SECTION 6-10.

These sections have intentionally been left blank.

SECTION 11. NRD'S FINANCIAL RESPONSIBILITIES

11.1 NRD shall bear its own costs in performing its duties under this Agreement.

11.2 NRD shall pay 100% of the State's cost for of the Added Work, including but not limited to the costs for preliminary engineering, construction, and construction engineering; those incurred to date and future costs. State's preliminary estimate of State's cost for the Added Work is $34,800, but NRD's actual cost is likely to be greater than the preliminary estimate as the details of design are further developed.

11.2.1 Preliminary Engineering. NRD has a separate engineering contract for the design of the seepage diaphragms, and NRD shall pay 100% of State's preliminary engineering costs for the Added Work. State's preliminary engineering costs may include review the change order, creating plan revisions, and completing an environmental evaluation. NRD's share of State's preliminary engineering is currently estimated to be $3,600.00.

11.2.2 Construction Cost. NRD shall pay 100% of State's construction cost for the Added Work. The cost will be calculated by multiplying unit prices by final quantities for the Added Work. Unit prices and final quantities may be different

than bid prices and estimated quantities as a result of field measurement and the contractor change order-supplemental agreement process. NRD's 100% share for construction is currently estimated to be $30,000.00.

11.2.3 Construction Engineering. NRD shall pay 100% of State's construction engineering costs for the Added Work. NRD's share of construction engineering will be calculated at 4% of State's construction cost for the Added Work, and is currently estimated to be $1,200.00.

11.2.4 Acquisition of Property Rights. The work is within the existing State ROW; therefore, there are no costs associated with this requested modification to the State's project.

11.2.5 Utilities. The following provision applies in the event the NRD's Added Work will require the relocation of existing utility facilities.

NRD will be responsible for 100% of eligible costs to utility facilities caused by the Added Work. NRD shall be responsible for 100% of the non-eligible cost and/or betterment cost. Betterment is any upgrading of the facility being relocated that is not attributable to the highway construction and is made solely for the benefit of and at the election of NRD and is not required by (a) Federal or State Law, (b) Local codes and regulations, or (c) industry standards or practices accepted by State (see 23 CFR § 645.105). State shall determine what utility work is an eligible cost. **NRD will enter into a separate agreement(s) to establish the roles, duties, and financial responsibilities for the necessary relocation of utility facilities.**

11.3 Payment by NRD:

Upon execution of the change order, State will invoice the NRD for NRD's cost share of construction, construction engineering, and any preliminary engineering expenses. The NRD shall pay State within 30 calendar days of receipt of invoice from State. The final settlement between State and the NRD will be made following final audits and when the final costs have been determined by State.

SECTION 12. TEMPORARY TRAFFIC CONTROL

These sections have intentionally been left blank.

SECTION 13. PLANS AND SPECIFICATIONS

The plans and specifications for this project will be on file in the Lincoln central headquarters office of the Nebraska Department of Transportation.

SECTION 14. PROJECT SCHEDULE ADJUSTMENTS AND TERMINATION

14.1 The planning, environmental, design and obtaining necessary funding for this project may be a complicated and time-consuming process. Project schedule adjustments should be expected.

14.2 State has the sole discretion to adjust the schedule in completing of the work in part or in whole and such action on its part will in no event be deemed a breach of this Agreement by State. State will provide NRD with updates to the project schedule and, when NRD is sharing in the project costs or has included additional work with State's project, State will discuss in detail adjustments made to the project schedule.

14.3 State has the sole discretion to terminate this Agreement for any reason, and such action on its part will in no event be deemed a breach of this Agreement by State. State will provide written notification to NRD of such termination.

SECTION 15. FAIR EMPLOYMENT PRACTICES ACT

NRD agrees to abide by the Nebraska Fair Employment Practices Act, as provided by Neb. Rev. Stat. § 48-1101 through § 48-1126.

SECTION 16. DISADVANTAGED BUSINESS ENTERPRISES

16.1 Policy: NRD and State further agree to ensure that disadvantaged business enterprises as defined in 49 CFR Part 26 shall have the maximum opportunity to participate in the performance of contracts financed in whole or in part with Federal funds under this Agreement.

16.2 Disadvantaged Business Enterprises Obligation: NRD and State further agree to ensure that disadvantaged business enterprises as defined in 49 CFR Part 26 have the maximum opportunity to participate in the performance of contracts and subcontracts financed in whole or in part with Federal funds provided under this Agreement. In this regard, NRD shall take all necessary and reasonable steps in accordance with 49 CFR Part 26 to ensure that disadvantaged business enterprises have the maximum opportunity to compete for and perform contracts. NRD shall not discriminate on the

basis of race, color, sex, age, disability, or national origin in the award and performance of FHWA assisted contracts.

NRD acting as a sub-recipient of Federal-aid funds on this project agrees to adopt the Nebraska Disadvantaged Business Enterprise Unified Certification Program for the Federal-aid contracts NRD executes on this project.

Failure of NRD to carry out the requirements set forth above on any work performed by NRD shall constitute breach of contract and, after the notification of the FHWA, may result in termination of the Agreement or contract by State or such remedy as State deems appropriate.

SECTION 17. TITLE VI NONDISCRIMINATION CLAUSES *(2023 NDOT Title VI Implementation Plan)*

17.1 Appendix A - During the performance of this contract, the Contractor, Consultant, or when applicable NRF, for itself, its assignees, and successors in interest (hereinafter referred to as the "contractor") agrees as follows:

17.1.1 Compliance with Regulations

The contractor (hereinafter includes consultants) will comply with the Acts and the Regulations relative to nondiscrimination in federally assisted programs of the U.S. Department of Transportation, the Federal Highway Administration, as they may be amended from time to time, which are herein incorporated by reference and made a part of this contract.

17.1.2 Nondiscrimination

The contractor, with regard to the work performed by it during the contract, will not discriminate on the grounds of race, color, or national origin in the selection and retention of subcontractors, including procurements of materials and leases of equipment. The contractor will not participate directly or indirectly in the discrimination prohibited by the Acts and Regulations, including employment practices when the contract covers any activity, project, or program set forth in Appendix B of 49 CFR 21.

17.1.3 Solicitations for Subcontracts, Including Procurements of Materials and Equipment

In all solicitations, either by competitive bidding, or negotiation made by the contractor for work to be performed under a subcontract, including procurements of materials, or leases of equipment, each potential subcontractor or supplier will

be notified by the contractor of contractor's obligations under this contract and the Acts and the Regulations relative to Nondiscrimination on the grounds of race, color, or national origin.

17.1.4 Information and Reports

The Contractor will provide all information and reports required by the Acts, the Regulations, and directives issued pursuant thereto and will permit access to its books, records, accounts, other sources of information, and its facilities as may be determined by the Recipient or the Federal Highway Administration to be pertinent to ascertain compliance with such Acts, Regulations, and instructions. Where any information required of a contactor is in the exclusive possession of another who fails or refuses to furnish the information, the contractor will so certify to the Recipient or Federal Highway Administration, as appropriate, and will set forth what efforts it has made to obtain the information.

17.1.5 Sanctions for Noncompliance

In the event of contractor's noncompliance with the Nondiscrimination provisions of this contract, the Recipient will impose such contract sanctions as it or the Federal Highway Administration may determine to be appropriate, including, but not limited to:

17.1.5.1 withholding payments to the contractor under the contract until the contractor complies; and/or

17.1.5.2 cancelling, terminating, or suspending a contract, in whole or in part.

17.1.6 Incorporation of Provisions

The contractor will include the provisions of paragraphs 27.1.1 through 27.1.6 in every subcontract, including procurements of materials and leases of equipment, unless exempt by the Acts, the Regulations and directives issued pursuant thereto. The Contractor will take action with respect to any subcontract or procurement as the Recipient or the Federal Highway Administration may direct as a means of enforcing such provisions including sanctions for noncompliance. Provided, that if the contractor becomes involved in, or is threatened with litigation by a subcontractor, or supplier because of such direction, the contractor may request the Recipient to enter into any litigation to protect the interests of the

Recipient. In addition, the contractor may request the United States to enter into the litigation to protect the interests of the United States.

17.2 Appendix E – During the performance of this contract, the Contractor, Consultant, or when applicable NRD, for itself, its assignees, and successors in interest (hereinafter referred to as the "contractor") agrees to comply with the following nondiscrimination statutes and authorities; including but not limited to:

Pertinent Nondiscrimination Authorities:

17.2.1 Title VI of the Civil Rights Act of 1964 (42 U.S.C. § 2000d et seq., 78 stat. 252), (prohibits discrimination on the basis of race, color, national origin); and 49 CFR Part 21.

17.2.2 The Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, (42 U.S.C. § 4601), (prohibits unfair treatment of persons displaced or whose property has been acquired because of Federal or Federal-aid programs and projects);

17.2.3 Federal-Aid Highway Act of 1973, (23 U.S.C. § 324 et seq.), (prohibits discrimination on the basis of sex);

17.2.4 Section 504 of the Rehabilitation Act of 1973, (29 U.S.C. § 794 et seq.), as amended, (prohibits discrimination on the basis of disability); and 49 CFR Part 27;

17.2.5 The Age Discrimination Act of 1975, as amended, (42 U.S.C. § 6101 et seq.), (prohibits discrimination on the basis of age);

17.2.6 Airport and Airway Improvement Act of 1982, (49 U.S.C. § 4 71, Section 4 7123), as amended, (prohibits discrimination based on race, creed, color, national origin, or sex);

17.2.7 The Civil Rights Restoration Act of 1987, (PL 100-209), (Broadened the scope, coverage and applicability of Title VI of the Civil Rights Act of 1964, The Age Discrimination Act of 1975 and Section 504 of the Rehabilitation Act of 1973, by expanding the definition of the terms "programs or activities" to include all of the programs or activities of the Federal-aid recipients, subrecipients and contractors, whether such programs or activities are Federally funded or not);

17.2.8 Titles II and III of the Americans with Disabilities Act, which prohibit discrimination on the basis of disability in the operation of public entities, public

and private transportation systems, places of public accommodation, and certain testing entities (42 U.S.C. §§ 12131-12189) as implemented by Department of Transportation regulations at 49 C.F.R. parts 37 and 38.

17.2.9 The Federal Aviation Administration's Nondiscrimination statute (49 U.S.C. § 47123) (prohibits discrimination on the basis of race, color, national origin, and sex).

17.2.10 Executive Order 12898, Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations, which ensures discrimination against minority populations by discouraging programs, policies, and activities with disproportionately high and adverse human health or environmental effects on minority and low-income populations.

17.2.11 Executive Order 13166, Improving Access to Services for Persons with Limited English Proficiency, and resulting agency guidance, national origin discrimination includes discrimination because of limited English proficiency (LEP). To ensure compliance with Title VI, you must take reasonable steps to ensure that LEP persons have meaningful access to your programs (70 Fed. Reg. at 74087 to 74100).

17.2.12 Title IX of the Education Amendments of 1972, as amended, which prohibits you from discriminating because of sex in education programs or activities (20 U.S.C. 1681 et seq).

SECTION 18. SEVERABILITY

The invalidity or unenforceability of any such clause, provision, section, or part shall not affect the validity or enforceability of the balance of the Agreement, which shall be construed and enforced as if the Agreement did not contain such invalid or unenforceable clause, provision, section or part.

SECTION 19. COMPLETENESS

This Agreement is the complete and exclusive statement of the arrangement between the parties, and supersedes all proposals, oral or written, and all other communications between the parties relating to the subject matter thereof. It may be amended from time to time in writing by the mutual consent of the Parties hereto.

IN WITNESS WHEREOF, the Parties hereby execute this Agreement pursuant to lawful authority as of the date signed by each party.

EXECUTED by NRD this _____ day of _____, 2024.

WITNESS:

LOWER PLATTE NORTH
NATURAL RESOURCE DISTRICT

_____
Bob Heimann
O & M Manager

_____
Eric Gottschalk
General Manager

EXECUTED by State this _____ day of _____, 20____

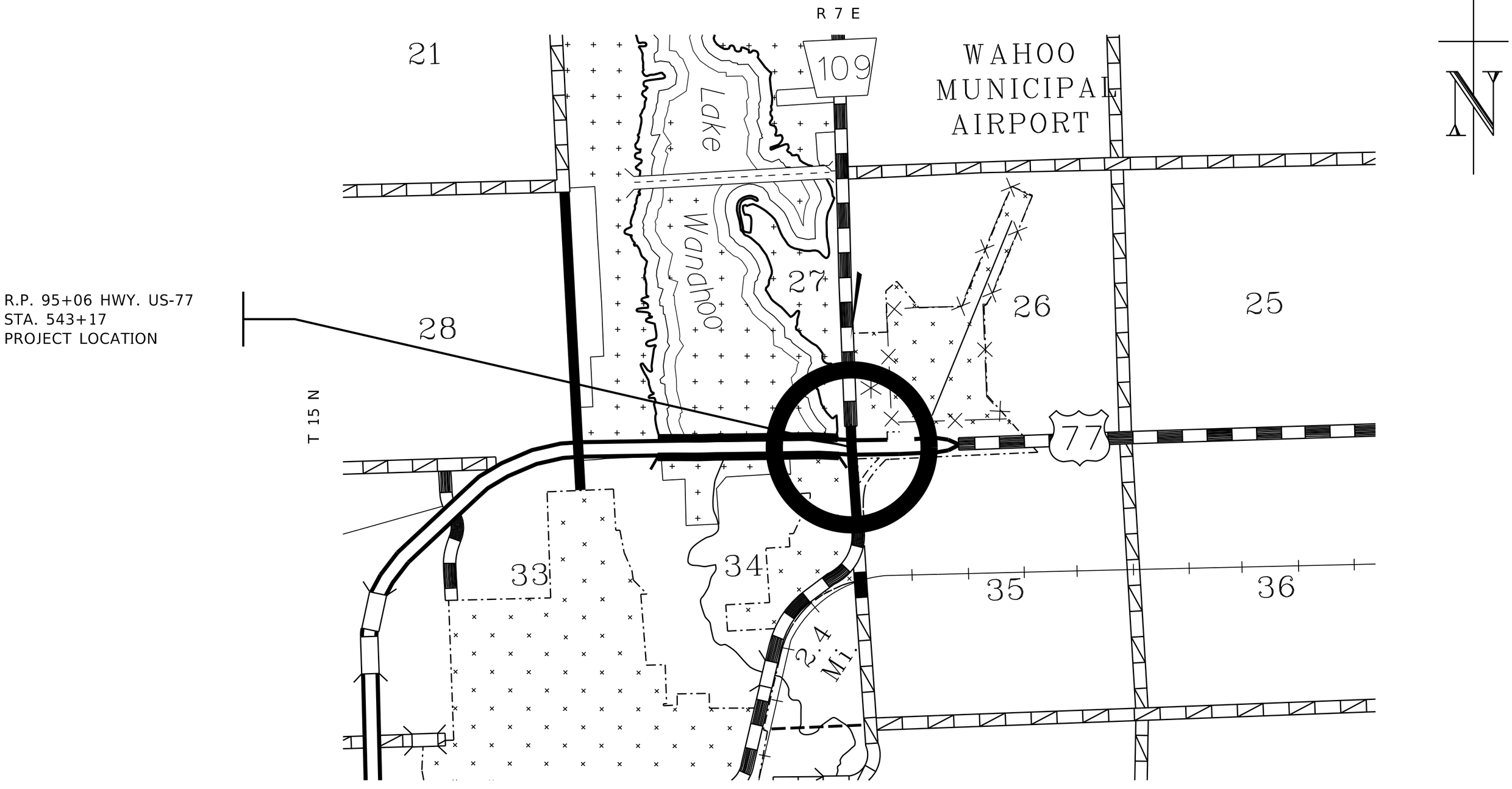
STATE OF NEBRASKA
DEPARTMENT OF TRANSPORTATION

_____
Brandon Varilek, P.E.
District 1 Engineer

_____
Brandie Neemann, P.E.
Roadway Design Engineer

WAHOO INTERSECTION

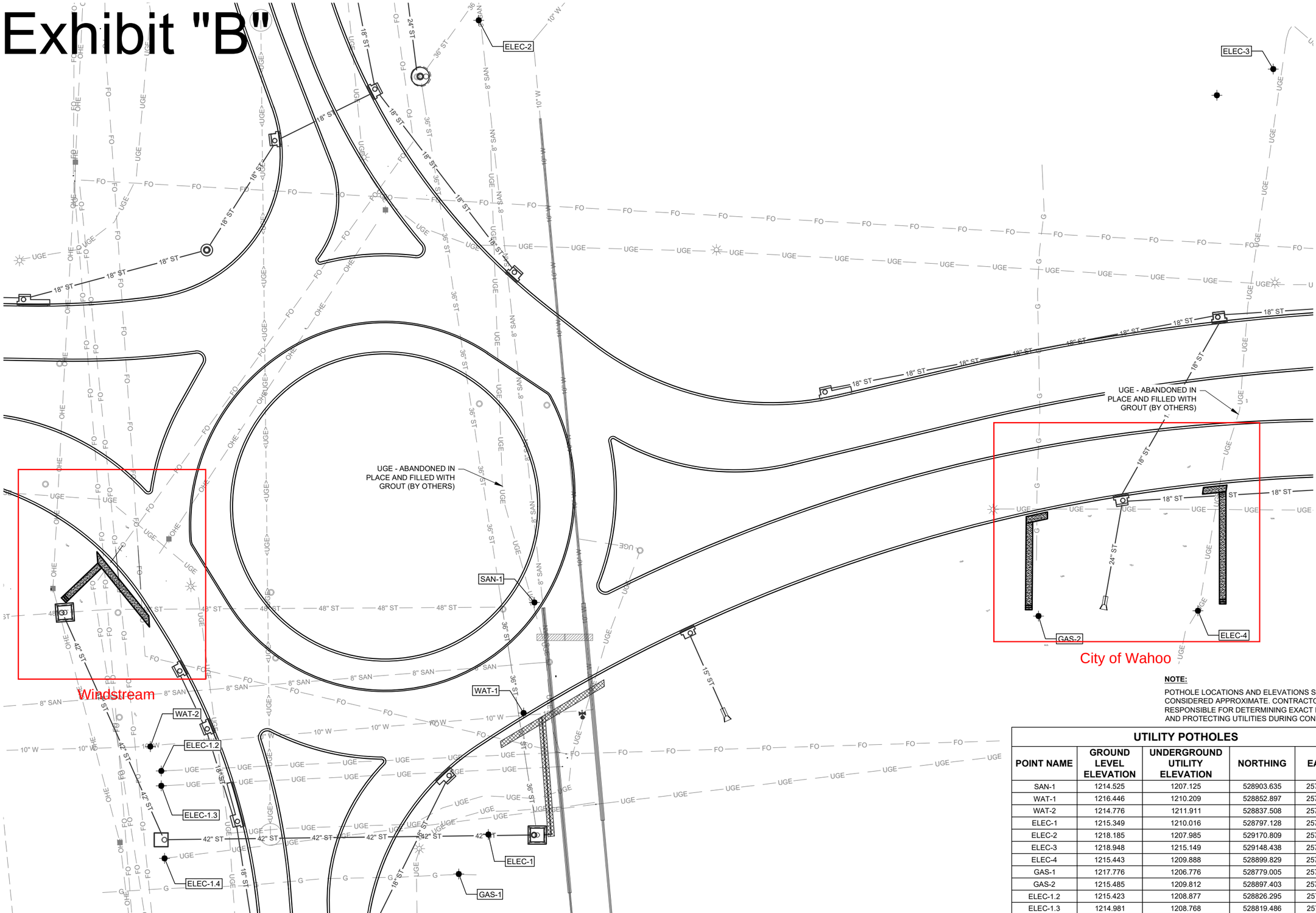
SAUNDERS COUNTY



Location Map

Exhibit "A"

Exhibit "B"



NOTE:

POTHOLE LOCATIONS AND ELEVATIONS SHOULD BE CONSIDERED APPROXIMATE. CONTRACTOR RESPONSIBLE FOR DETERMINING EXACT LOCATIONS AND PROTECTING UTILITIES DURING CONSTRUCTION.

UTILITY POTHOLES

POINT NAME	GROUND LEVEL ELEVATION	UNDERGROUND UTILITY ELEVATION	NORTHING	EASTING
SAN-1	1214.525	1207.125	528903.635	2575394.874
WAT-1	1216.446	1210.209	528852.897	2575389.903
WAT-2	1214.776	1211.911	528837.508	2575218.615
ELEC-1	1215.349	1210.016	528797.128	2575373.745
ELEC-2	1218.185	1207.985	529170.809	2575369.309
ELEC-3	1218.948	1215.149	529148.438	2575733.966
ELEC-4	1215.443	1209.888	528899.829	2575699.386
GAS-1	1217.776	1206.776	528779.005	2575360.152
GAS-2	1215.485	1209.812	528897.403	2575626.228
ELEC-1.2	1215.423	1208.877	528826.295	2575223.641
ELEC-1.3	1214.981	1208.768	528819.486	2575223.641
ELEC-1.4	1215.327	1209.034	528786.188	2575225.138

JX

Project Number

C.N. 13502

SPECIAL PLAN — OF — CURED IN PLACE LINER AND SEEPAGE PROTECTION

NEBRASKA
Good Life. Great Journey.
DEPARTMENT OF TRANSPORTATION

Roadway Design Division

PROFESSIONAL CIVIL ENGINEER
JOHN S. PETERSEN
E-13893
5/13/24
STATE OF NEBRASKA

P:\Production\2025\100-Lower Platte North NRD\Transition\WAT Design\2 Drawings\Roadway\Drawings\Cover Sheet\SHEET5.dwg, on 5/13/2024 12:39 PM

PREMIUM COMPARISON

LINES OF BUSINESS	EXPIRING	2024-2025
Property	$16,743	$20,865
Crime	$382	$382
Inland Marine	$10,765	$10,765
Business Auto	$13,917	$13,756
General Liability	$38,309	$38,309
Public Officials and Management Liability	$6,457	$5,751
Worker's Compensation	$10,509	$23,248
Commercial Umbrella	$25,735	$25,348
Cyber Liability	Incl in Package	$6,538.15
Total Premium	**$122,817**	**$144,962.15**

A change in terms, conditions or premiums may occur after binding upon underwriter's receipt and review of subjectivities, or the failure to provide subjectivities on a timely basis.

SUBJECTIVITIES:

- Package:
  - Signed Statement Of Values
  - Signed Auto UIM Form
- Workers Compensation:
  - Completed Section of Supplement Application and Signed
- Cyber Liability:
  - Reviewed, completed signed application
  - Signed Surplus Lines Tax Form

AVAILABLE PREMIUM PAYMENT PLANS:

- All Policies are Agency Bill Annual

IMPORTANT NOTES AND COMMENTS REGARDING QUOTATIONS:

- Package:
  - Property values were increase for the I4% Inflation
  - Auto Deductibles went from $500 to $1,000
- Cyber Liability:
  - Prior term coverage was included for minimum Coverage with Package Carrier
  - Quote is based off 21 Employees and $11,960,921 Estimated Annual Revenue
- Workers Compensation:
  - Premium increase is due to 2023 losses that hit Experience MOD

PROPERTY DEDUCTIBLE OPTIONS:

- $5,000 All Peril Deductible- $17,555
- $10,000 All Peril Deductible- $16,677
- $25,000 All Peril Deductible- $15,135
- $1,000 All Other Peril Deductible with $5,000 Wind/Hail Deductible $19,501
- $1,000 All Other Peril Deductible with $10,000 Wind/Hail Deductible $19,194
- $1,000 All Other Peril Deductible with $25,000 Wind/Hail Deductible $18,463

CYBER OPTIONS:

Houston Casualty; $8,744.41
- Includes Cyber Risk Assessment

Lower Platte North NRD
Bills Pending
September 9, 2024

Vendor	Description	Balance
Adam Brockmann	Cell Phone Reimbursement	$ 45.00
Advanced Office Automation, Inc.	Maintenance Contract	$ 117.59
Aflac	Employee Benefits	$ 255.12
BEG LLC	Decommissioned Well Pmt	$ 1,346.25
Bill Bos	Mileage Reimbursement	$ 14.74
Bomgaars	Wanahoo Rec/O&M/Vehicle	$ 508.34
Brandon Beethe	Cell Phone Reimbursement	$ 45.00
Bromm, Lindahl, ET AL	Retainer/General Matters	$ 629.50
Butler Public Power	Utilities Expense	$ 3,953.92
Cintas	Education Building Expense	$ 187.15
City of North Bend	Easement for NB Levee	$ 13,000.00
Column	Director Vacancy	$ 13.29
Column	September Mtg.	$ 14.55
Column	July Expenses	$ 62.84
Custom Diesel Drivers Training	CDL Class Elliott	$ 2,700.00
Daryl Andersen	Cell Phone Reimbursement	$ 45.00
DAS Communication	iPad/Cell Expense	$ 510.33
David A Moore	Cell Phone Reimbursement	$ 45.00
David City Utilities	Bruno Water Purchase	$ 3,002.89
Dawn Schulz	Septic System Upgrade	$ 4,627.20
Department of Revenue	Wanahoo Lodging Tax	$ 866.02
Diode Communications	Open Path for NRD/Ed Building	$ 54.58
Dworak Agribusiness LLC	Decommissioned Well Pmt	$ 753.77
Eakes Office Solutions	Toner for Printer	$ 116.99
Eric Gottschalk	Cell Phone Reimbursement	$ 45.00
Erin Peterson	Flow Meter Cost-Share	$ 1,000.00
Fremont Sanitation	NRD/Wanahoo Garbage	$ 318.63
Google	Google Email	$ 414.00
HBE LLP	Professional Service Accounting	$ 7,700.00
HDR Engineering Inc.	Cottonwood 21-A	$ 4,076.67
Helm Connected	Computer Consultant	$ 398.00
Hergert Oil	Fuel Expense	$ 2,366.64
Intermedia	Long Distance Fees	$ 168.18
Jacob Stover	Cell Phone Reimbursement	$ 45.00
JEO Consulting Group, Inc.	NRD Office	$ 11,597.50
JEO Consulting Group, Inc.	Hazard Mitigation	$ 17,523.00
Jill Breunig	Cell Phone Reimbursement	$ 45.00
John Deere Financial	Equipment Upkeep	$ 367.60
Johnathon Speichinger	Cell Phone Reimbursement	$ 45.00
Karen Rezac	Cell Phone Reimbursement	$ 45.00
Kim Homes	Education Building Cleaning	$ 150.00

Lower Platte North NRD
Bills Pending
September 9, 2024

Kiwanis	Dues and Membership	$ 150.00
KTIC 840 Rural Radio	Radio eAds	$ 224.00
Lacey Sabatka	Mileage Reimbursement/Conference Fee	$ 585.00
Lacey Sabatka	Cell Phone Reimbursement	$ 45.00
LRE Water	Nitrate Assessment	$ 10,702.75
Midwest Laboratories, Inc	GW Quality	$ 907.50
MJM Farms Inc.	Flow Meter Cost-Share	$ 2,000.00
Municipal Supply, Inc. of Omaha	Rural Water Billing Software	$ 12,570.00
NARD	Personnel/Director Meeting	$ 3,235.00
NARD Risk Pool Association	Flex Benefits	$ 914.97
NARD Risk Pool Association	Employee Benefits	$ 41,150.87
Nebraska Public Health Environmental Lab	Producer Kits/GW Quality	$ 1,015.00
Nebraska Public Health Environmental Lab	Producer Kits/GW Quality	$ 2,725.00
Nebraska Public Health Environmental Lab	Producer Kits/GW Quality	$ 1,169.00
Nebraska Public Health Environmental Lab	Producer Kits/GW Quality	$ 1,260.00
Nebraska Public Health Environmental Lab	Producer Kits/GW Quality	$ 1,168.00
Olsson Associates	Wahoo Creek 7 Dam Sites	$ 16,343.48
Olsson Associates	Wahoo Creek 3 Dam Sites	$ 1,545.78
Olsson Associates	Wahoo Creek Real Estate Services	$ 7,139.18
Omnify	Flex Benefits	$ 20.00
One Call Concepts, Inc	One Call Expense	$ 39.50
OOP Inc	Normal O & M	$ 343.00
Otte Oil & Propane	Diesel Fuel	$ 619.90
Papio-Missouri River NRD	Water Strategies Reimbursement	$ 2,200.00
Pitney Bowes	Property Tax on Postage Meter	$ 18.24
Roger Gehring	Alternate Water/pipeline Cost-Share	$ 14,353.55
Ryan Chapman	Cell Phone Reimbursement	$ 45.00
Sam's Club	Office Other/Membership	$ 117.97
Saunders County Treasurer	License Boat Trailer/Goose Neck Trailer	$ 62.50
Scheele-Kayton Construction LLC	New Office	$ 275,726.25
Sean Elliott	Cell Phone Reimbursement	$ 45.00
Simons Home Store	Vehicle Expense	$ 11.98
State of Nebraska DEE	Chemigation	$ 5.00
Sydney Abbott	Cell Phone Reimbursement	$ 45.00
Ty's Outdoor Power & Service	Equipment Upkeep	$ 575.99
U.S. Geological Survey	USGS Stream Gauges	$ 19,010.00
U.S. Geological Survey	Platte River Cameras	$ 20,395.00
UBT	Bi-Weekly Payroll - 8/16/24	$ 56,874.51
UBT	Bi-Weekly Payroll - 8/30/24	$ 55,723.32
UBT - VISA	Wanahoo Rec/Equipment/Promo Materials	$ 4,896.41
Union Bank	Bank Fees	$ 45.28
Village of Lindsay	Pond Project Cost-Share	$ 25,000.00

Lower Platte North NRD
Bills Pending
September 9, 2024

Wahoo Auto Parts	Vehicle Expense	$ 165.21
Wahoo Utilities	Utilities Expense	$ 2,719.11
Wahoo-Waverly-Ashland Newspapers	Eads	$ 140.00
Wells Fargo Financial Leasing, Inc.	Lease Payment	$ 209.00
Windstream/Kinetic	Internet Expense	$ 611.21
Grand Total		$ 664,088.75

Consent Agenda
September 9, 2024

5.	Approval of Minutes
6.A.3.e.	Sub-District #8 Vacancy
6.A.6.b.	Approval Manager Time and Expense Sheets
6.B.5.c.	Wanahoo Camping
6.C.3.a.2.	Plugged Wells
6.C.3.b.1.	Phase Area Update
6.D.2.a.	SWCP Application Approvals
6.D.e.	North Bend Levee
6.D.4.b.	Septic System Upgrade Payment
6.D.7.	Lindsay Pond Restoration
8.	Authorize General Manager to approve and then treasurer to pay monthly recurring expenses pursuant to April 11, 2011 board policy.