

Water Committee Meeting
Thursday, July 2, 2026 9:30 AM
Lower Platte North NRD Office
1616 County Road 17
Wahoo, NE 68066

1. UNFINISHED BUSINESS

2. REGULATORY

2.A. GROUND WATER MANAGEMENT AREA

2.A.1. Variance Request in the Hydrologically Connected Area (Limited Development Area)

2.A.2. Variance Requests in the Non-Hydrologically Connected Area (Normal Development Area)

2.A.3. Variance Requests in the Restricted Development Areas

2.A.4. Well Permit Program

Bruce Williams has applied for 2-60 GPM livestock wells permit which will be tied together in a series. The wells together will pump 120 GPM, so a well permit is required. These wells are for chicken barns located in NW SW S15-16N-6E, Saunders County. The site is 5 miles NW of Colon or 5 miles SW of Cedar Bluffs. This location is in the Hydrological-Connected Area (Blue), so a stream depletion allotment has been calculated at 5.37 acre feet. This site will have 2 and 1/2 barns with approximately 65,000 total chickens.

Attached is a map and permit.

If the well permit is approved, it has been requested that Netafin Prop meter be used.

Comments from Grosch Irrigation shown:

Looking for approval to use a Netafin prop flow meter for a customer's chicken site to fulfill the NRD's water flowmeter requirement. The max required flow rate is going to be 60 gpm. Therefore, I would prefer to use a Netafim meter instead of a McCrometer meter. This is due to the higher sensitivity of the Netafim meter. The Netafim meter also totalizes in gallon instead of acre-in. This would probably be easier to deal with since we have a smaller pumping rate. Since the McCrometer meter isn't really even listed for flow rates less than 40 GPM. I have a feeling that most of the flow rates encountered at this site will be less than 40 except during the hot summer months.

Thanks for your time.

Spencer Grosch
Grosch Irrigation Co., Inc.

Office: 308 773 2261
Cell: 402 340 2754

2.A.5. Acre Certification

Staff at the LPNNRD met with Troy Brandt over a well location issue. After reviewing the location, it was discovered that the well was in the wrong location and attached to the tract of land to the west of the road. Paperwork was completed to move the well to the right location. (Map attached) Staff discovered that the tract of land was never certified, even though the well had been drilled in 1977 and been used by Troy since 2000. The County Assessor shows that Troy is paying taxes on 9.07 irrigated acres in the SE SE 18-18-2W, Platte County. Troy has documentation showing this as an irrigated tract from FSA. Attached are 2 maps drawn by NRD staff on the acres being considered to be certified. The NRD would certify this tract for 9.07 acres.

The other tract land is Section 32-15N-8E in which this will be certified as surface water irrigation from the lagoon at Darling Inc. Staff made a site visit to confirm that a groundwater well was not being used.

The committee understood the situation and felt this was an appropriate action.

2.A.6. Domestic Well Interference Discussion

Attached is the original well interference form, a new 2026 draft for individuals to fill out with the LPNNRD, and a draft protocol for how to handle complaints internally. Once the form is received, staff evaluates locations, well registrations and make suggestions on what can be done. If a well is not registered, there is no documentation of location, so registering wells that pump less than 50 GPM is beneficial when a well permit is received.

Attached is an example of a cone of depression interference, which will probably be handled differently in both cases.

The Complaint flow chart is how staff handles irrigation runoff and chemigation issues.

The Committee was given a well interference policy and complaint application form for review. It was recommended that a GPS location be included on the form. More discussion will be held on this issue.

2.A.7. Cost Share Programs

2.B. CHEMIGATION

Total renewals: 664

For 2026, we have 227 renewal inspections and 25 new permit applications for a current total of 252. Inspections for 148 renewal permits have been completed. Inspections for 17 new permits have been completed.

As of 6/26/2026.

3. GROUND WATER PROGRAMS

3.A. Longitude 103

The Longitude database was developed for the NRDs in 2022 in which each NRD

contributed \$5,000 for their match with a grant obtained by the NARD. The other payment of \$9,036.59 was to update the database and include online reporting. It was decided as other NRDs started using the database they felt they should be required to contribute. The total invoice is for \$14,036.59 for LPN contributions for matching funds.

3.B. DECOMMISSIONED WELL PROGRAM

3.B.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
Williams Ag Corp	I	\$1,467.40	Butler

3.B.2. Plugged Wells

Roger Nelson's had been approved for \$874. An updated estimate was received changing the cost-share amount.

Well Owner	Type of Well	Cost Share Estimate	County
Roger Nelson	I	\$1,471.95	Saunders
Williams Ag Corp	I	\$1,467.40	Butler

3.C. NEW MONITORING WELLS

Attached are invoice options on the subscription with HydroVu on the monitoring wells data loggers. The subscription ran out on June 30, so the next payment will be needed on July 31. A 1-year subscription for 60 sites is \$6,732. HydroVu is the program to allow the NRD to receive real-time water level measurements from the 60 data loggers throughout the district.

Attached is a quote for extra antennae for data loggers within the district in the amount of \$239.47

3.D. SOURCE WATER PROTECTION

Attached is a quote from InSitu in the amount of \$15,137.32 for data loggers. These loggers will be placed in the Yutan, Wahoo and Newman Grove Wellhead Protection Areas. Through our agreement with the State, these data loggers will be 100% reimbursed.

3.E. LOWER PLATTE NORTH NRD GROUND WATER STUDIES

3.E.1. Phase Area Update

3.E.2. Weather Stations

- Field Climate had 12,237 logins on the website, 1659 on the Android App and 2264 on the IOS App in the last 30 days. This includes staff logins.
- Below are quotes for our current weather station network, if we proceed in 2027 with this service to our district.

If the district moves forward, staff will request funding for half a year as the district will be receiving the equipment for free until the end of this year. This will allow staff and board to evaluate this program for FY27-28.

These sites will be free by agreement with METOs until the end of the year, at which a half-year payment will be paid in January.

3.E.3. Water Flow Meter Summary

Aquifer zones were developed through the Groundwater Management Plan in March 2026. Below shows the number of wells and reporting flow meters per zone. The maps attached give a perspective on what these areas look like. Staff showed the information to the Committee for consideration on the next agenda item.

Aquifer Zone	# Wells	# Flowmeters
Bellwood	293	42
David City	135	71
Fremont	157	43
Fremont East	42	9
Leshara Platte Valley	14	3
Leshara Uplands	67	20
Lower Newman Grove	174	40

Lower Shell Creek	303	144
Middle Shell Creek	339	245
Morse Bluff	50	27
North Bend	883	105
Octavia	378	90
Platte Center	184	113
Platte River Uplands	7	2
Prague	37	14
Schuyler	491	212
Swedeburg	39	13
Todd Valley North	356	125
Todd Valley South	201	65
Upper Newman Grove	278	99
Wann	50	59
Weston	80	21
Yutan	41	16
Yutan South	26	6

3.E.4. AI Discussion

As a means to augment existing flow meters in the district, and not require additional flow meters for irrigation and groundwater monitoring, LPNNRD is evaluating the potential of artificial intelligence (AI) and machine learning to estimate pumping, well interference from new wells, and water level prediction given environmental factors. This would involve using existing data to train an AI model in a phased approach, first starting with the SQS area, then scaling to the rest of the district.

Discussion was held with the committee, staff and Jesse Korus — UNL-CSD. The Committee is interested in seeing how this might work and would like to pursue this project more.

4. SURFACE WATER PROGRAMS

4.A. STATE LAKES, FOR THE WEEK OF

This week's beach HAB and bacteria results are now posted on the DWEE web page ([Current Health Alerts and Sampling Results For This Week](#)).

There are no lakes on Health Alert this week!

Branched Oak Lake at Liebers Point tested high for *E. coli* this week.

There are **0** beaches on Health Alert this week.

Current Lakes on Health Alert

Lake	County	Microcystin (ppb)	Sample Date
None! ??			

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 is **1** beach with *E.coli* testing above 235 colonies/100 ml.

Lakes with High *E.coli* Bacteria

Lake	County	<i>E.coli</i> (MPN)	Sample Date
Branched Oak Lake at Liebers Point	Lancaster	291	6/29/2026

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 water body.

Stay cool and have a great 4th of July weekend!

Justin Haas

State Lakes Coordinator

Department of Water, Energy and Environment

245 Fallbrook Blvd., Suite 100

Lincoln, NE 68509-8922

Direct: 402-471-4224 | Main Office: 402-471-2186

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 <i>E.coli</i> Bacteria			
Lake	County	<i>E.coli</i> (MPN)	Sample Date
Cub Creek Lake	Jefferson	2,420	6/22/2026
Iron Horse Trail Lake	Pawnee	770	6/22/2026
Kirkman's Cove Lake	Richardson	1,414	6/22/2026
Rockford Lake	Gage	770	6/22/2026

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 water body.

Have a good rest of your week!

Justin Haas
State Lakes Coordinator
Department of Water, Energy and Environment
245 Fallbrook Blvd., Suite 100
Lincoln, NE 68509-8922
Direct: 402-471-4224 | Main Office: 402-471-2186

[Access the DWEE-BEACHWATCH Home Page and Archives](#)

[Unsubscribe from the DWEE-BEACHWATCH List](#)

5. OTHER
 Budget and groundwater video review.

X:\I & E\Marketing\Videos\Water Video\2026 Water Dept
 Video\lpn_26_001_final (1080p).mp4

**APPLICATION FOR A PERMIT TO CONSTRUCT A WATER WELL
IN THE LOWER PLATTE NORTH NATURAL RESOURCES DISTRICT**

DNR & NRD USE ONLY			
Permit No. _____	Date Approved/Denied _____	NRD Representative _____	
Permit Type: New, Replacement or Late _____	Date Received _____	Paid: Cash or Check _____	
Date Post-inspected _____	Registration No. _____	Updated Form June 2012	

ALL APPLICANTS SEEKING A WATER WELL PERMIT MUST COMPLETE PAGES 1 AND 2, AND THE APPROPRIATE SECTION BASED ON THE PURPOSE OF THE WELL. (CLASS 1 - 4 WELL PERMIT)
 WATER WELL PERMITS FOR IRRIGATED ACRES GREATER THAN 160 ACRES IN SIZE OR TOTAL ANNUAL WATER USE BETWEEN 150 AND 300 ACRE FEET PER YEAR MUST COMPLETE PAGES 1, 2, AND 3, AND THE APPROPRIATE SECTION BASED ON THE PURPOSE OF THE WELL. (CLASS 3 WELL PERMIT)
 WATER WELL PERMITS FOR TOTAL ANNUAL WATER USE EQUAL TO OR GREATER THAN 300 ACRE FEET PER YEAR, REGARDLESS OF NUMBER OF IRRIGATION ACRES, MUST COMPLETE PAGES 1, 2, AND 4, AND THE APPROPRIATE SECTION BASED ON THE PURPOSE OF THE WELL. (CLASS 4 WELL PERMIT)

1. NAME AND ADDRESS OF <u>LAND OWNER</u>: <u>Bruce & Amy M Williams</u> <u>2350 CR 4</u> <u>Morse Bluff NE 68648</u> Phone: <u>402 720 7416</u>	NAME AND ADDRESS OF <u>CONTACT</u>: <u>Bruce Williams</u> <u>2350 CR 4</u> <u>Morse Bluff NE 68648</u> Phone: <u>402 720 7416</u>
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2. PURPOSE OF NEW WATER WELL (indicate one):

☐ Irrigation (Complete section A)	☐ Dewatering (Over 30 days, Complete section B)
☒ Livestock (Complete section C)	☐ Domestic (Irr. on one acre or larger, Complete section D)
☐ Industrial (Complete section E)	☐ Public Water Supply (Complete section F)
☐ Recovery or Remediation (Complete section G)	
☐ Other (specify) _____	(Complete section H)

3. IDENTIFY LOCATION OF PROPOSED WELL:

A. Saunders County, NW $\frac{1}{4}$ of the SW $\frac{1}{4}$ of Section 15, Township 16 North, Range 6 East/West. (circle one)

B. The box at the right represents one square mile, (section). Indicate with an "X", the proposed location of the well. Outline the proposed water use area. If the water is to be used outside the above written legal description, give legal description of water use area, _____ $\frac{1}{4}$ of the _____ $\frac{1}{4}$ of Section _____, Township _____ North, Range _____ East/West.

C. The well will be located 11021 feet from the North/South section line, and will be 75 feet from the East/West section line. Or enter Lat. / Long. Latitude Degree 41 Minute 21 Second 19.5 Longitude Degree 96 Minute 44 Second 11.1

1 mile 1/2 mile 1/4 mile	NWNW	NENW	NWNE	NENE
	SWNW	SENW	SWNE	SENE
	NWSW	NESW	NWSE	NESE
	SWSW	SESW	SWSE	SESE

-Z-7

1320'
2640'
5280'

(2 Wells; 1 permit A+B)

4. REPLACEMENT AND ABANDONED WELL INFORMATION:

A. Is this a replacement well? ☐ Yes, ☒ No If yes, fill out the rest of this section.

B. Registration number of well to be replaced: _____

C. Well to be replaced was last operated (month/year): _____

D. Replacement well is _____ feet from original well.

E. Decommissioning of Original well on (month/day/year): _____

F. If water use is for irrigation, list the number of acres watered by the original well: _____

G. If water use is for irrigation, will replacement well, water the same tract of land as the decommissioned well?
☐ Yes, ☐ No: If No, list the number of additional acres _____ and legal description _____ $\frac{1}{4}$ of the _____ $\frac{1}{4}$ of Section _____, Township _____ North, Range _____ East/West. (circle one)

- A replacement water well must deliver water to the same tract of land as the original water well, pump from a comparable aquifer, and yield approximately the same gallons per minute and total annual water use as the original water well.

5. SPECIFICATIONS OF INTENDED WELL AND PUMP:

- A. Approximate date when construction will begin (month/day/year): ASAP
- B. Expected total well depth: 150' feet.
- C. Well Casing Diameter: 8 inches.
- D. Pump Column Diameter: 2 inches.
- E. Estimated pumping capacity: 60 GPM.
- F. Expected total annual water use in Acre Inches / Year _____ or Total Gallons / Year _____
- G. The system is to be powered by Electric Fuel _____
- H. Will the well be used in a system with other wells? ☒ Yes, ☐ No. If Yes, How many 2
List well registration number and legal description of each well in Section 6 below.
- I. Name of Well Driller: Grosch - Silver Creek (Please attach test hole log, if available.)

6. List additional information requested in this Section or attached additional sheet.

7. Addition information and requirements for Lower Platte North NRD review.

- Attach current tax assessor records including map, parcel number, and current land use such as irrigated acres.
- Attach aerial photo showing location of water source(s) and area water or reuse water is to be used.
- All new and replacement water wells must install a District approved flow meter and report water pumped annually to the LPNNRD by January 31st of the following year. See approved list in this packet.
- Water well permit conditions maybe required for approval by the Lower Platte North NRD for each individual well.

8. I certify that I am familiar with the information contained in this application, and it's restrictions, rules and regulations and that to the best of my knowledge and belief such information is true, complete and accurate.

Date 10 JUN 26 Signature of Applicant Brian S. Williams
Signature of Well System Operator, if different than Applicant _____
NRD Certification Number of Landowner or Operator 7910 (Required for irrigation, livestock,
domestic (with irrigation on one acre or more of land), industrial, and public water supply wells.)

9. Lower Platte North NRD Use Only. Comments by District Representative.

**APPLICATION FOR A PERMIT TO CONSTRUCT A WATER WELL
IN THE LOWER PLATTE NORTH NATURAL RESOURCES DISTRICT**

PURPOSE OF WELL

IRRIGATION WELLS (SECTION A)

- A. How many acres will be irrigated? _____ acres
B. Crops to be planted: _____ Crop rotation schedule _____
C. Type of irrigation system. ___ Center Pivot, ___ Gravity, ___ Other (specify) _____
D. The irrigation system is to be powered by ___ Electric ___ Fuel
E. Expected total annual consumptive water use in Acre Inches / Year _____ or
Total Gallons / Year _____
F. Will Fertilizer, Chemicals or Animal waste be applied through the system? ___ Yes, ___ No

DEWATERING WELLS OVER 30 DAYS (SECTION B)

- A. Purpose of dewatering well, such as installation of building foundation, etc. _____
B. Expected total number of days the dewatering well will be in use _____
C. Approximate dates (month/day/year) in operation: Start _____ End _____
D. Legal description of water discharge location: ___ 1/4 of the ___ 1/4 of Section ___, Township ___ North,
Range ___ East/West and name of river, stream or water body _____
E. Will discharge water be used for another purpose, such as livestock, irrigation, etc.? ___ Yes, ___ No
If Yes, list purpose, location and expected total amount of water use in acre-inches / year or total gallons / year.

LIVESTOCK WELLS (SECTION C)

- A. Name of facility Perchlight Poultry
B. Type of Livestock: ___ Feeder Cattle, ___ Dairy Cattle, ___ Swine over 55 lbs., ___ Swine under 55 lbs.,
___ Sheep, X Poultry, ___ Horses
C. Average number of livestock per year _____ and average weight per animal _____ lbs.
D. Peak number of livestock _____ and time of year All year
E. Is facility approved by Nebraska Department of Environmental Quality? ___ Yes, ___ No. If Yes, list NDEQ
certification IIS number _____. If No, complete the rest of this section.
F. Type of facility: ___ Open lot, X Covered Building
G. If facility is Open lot, list soil type _____
H. Estimated depth to ground water under feedlot _____ ft.
I. Describe manure collection system of feedlot _____
J. Name and distance of nearest surface watercourse from feedlot _____
K. For each manure land application site, list legal description and size in acres, method of application, and distance
from feedlot operation. _____

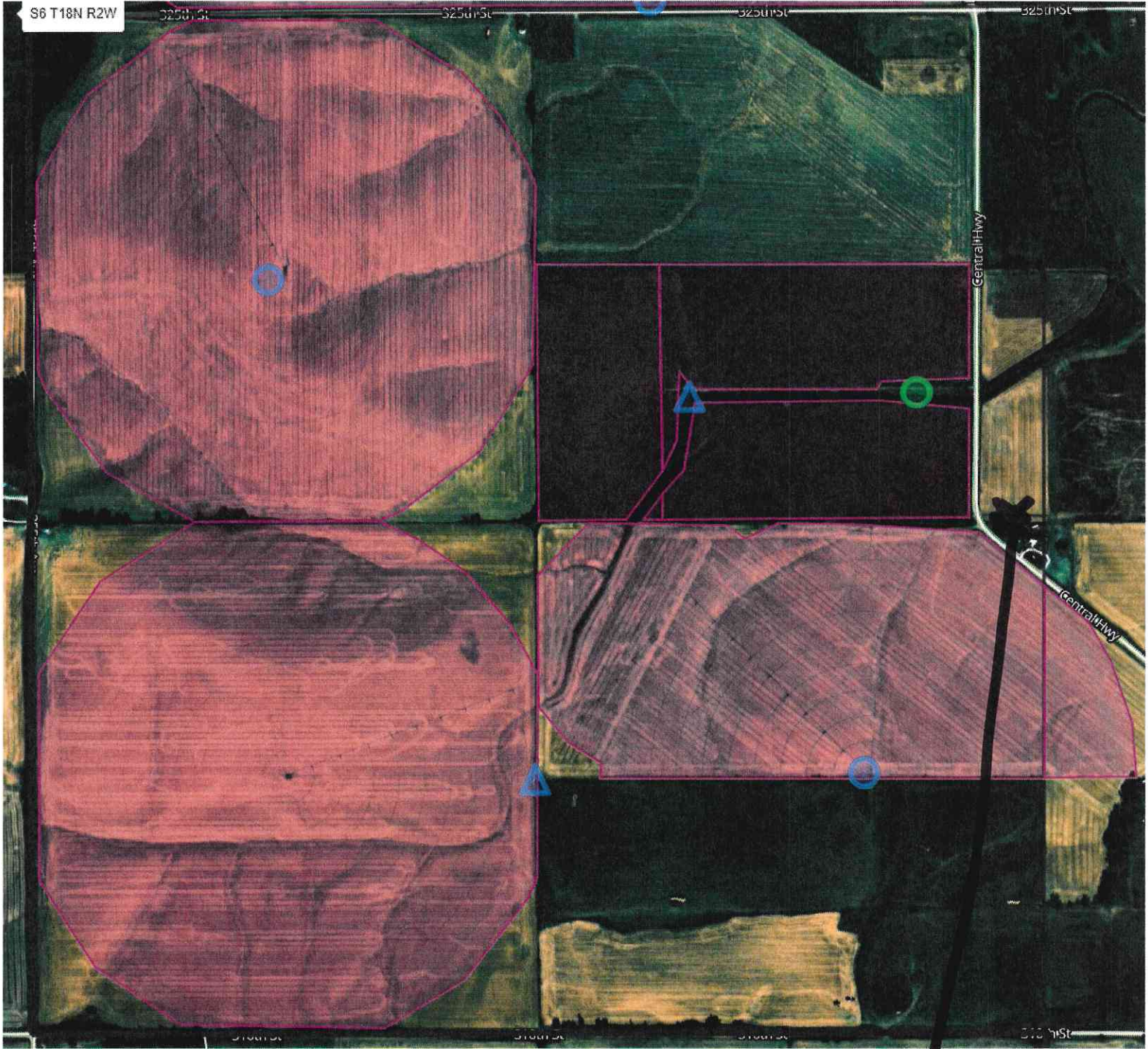
DOMESTIC WELLS WITH IRRIGATION ON ONE ACRE OR MORE (SECTION D)

- A. Check all that apply:
a. Water use: ___ Lawn and number of acres to be irrigated _____ acres.
b. Water use: ___ Commercial garden and number of acres to be irrigated _____ acres.
c. Water use: ___ Tree Farm and number of acres to be irrigated _____ acres.
d. Water use: ___ Type of livestock _____ and number _____
B. Type of irrigation system. ___ Sprinkler, ___ Drip Tape, ___ Other (specify) _____
C. If applicable, give Street address and town _____

* One acre equals 43,560 square feet.



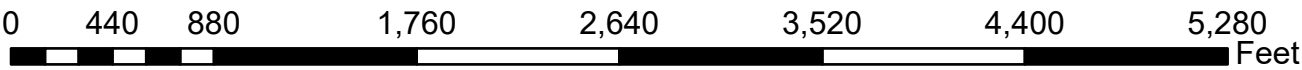
NW SE S 15-16N-6E
Location



G-057387

Correct
Well Location

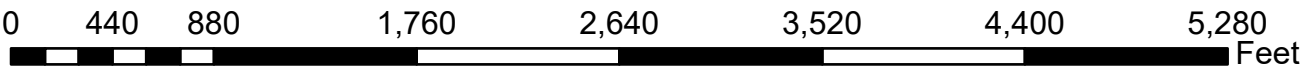
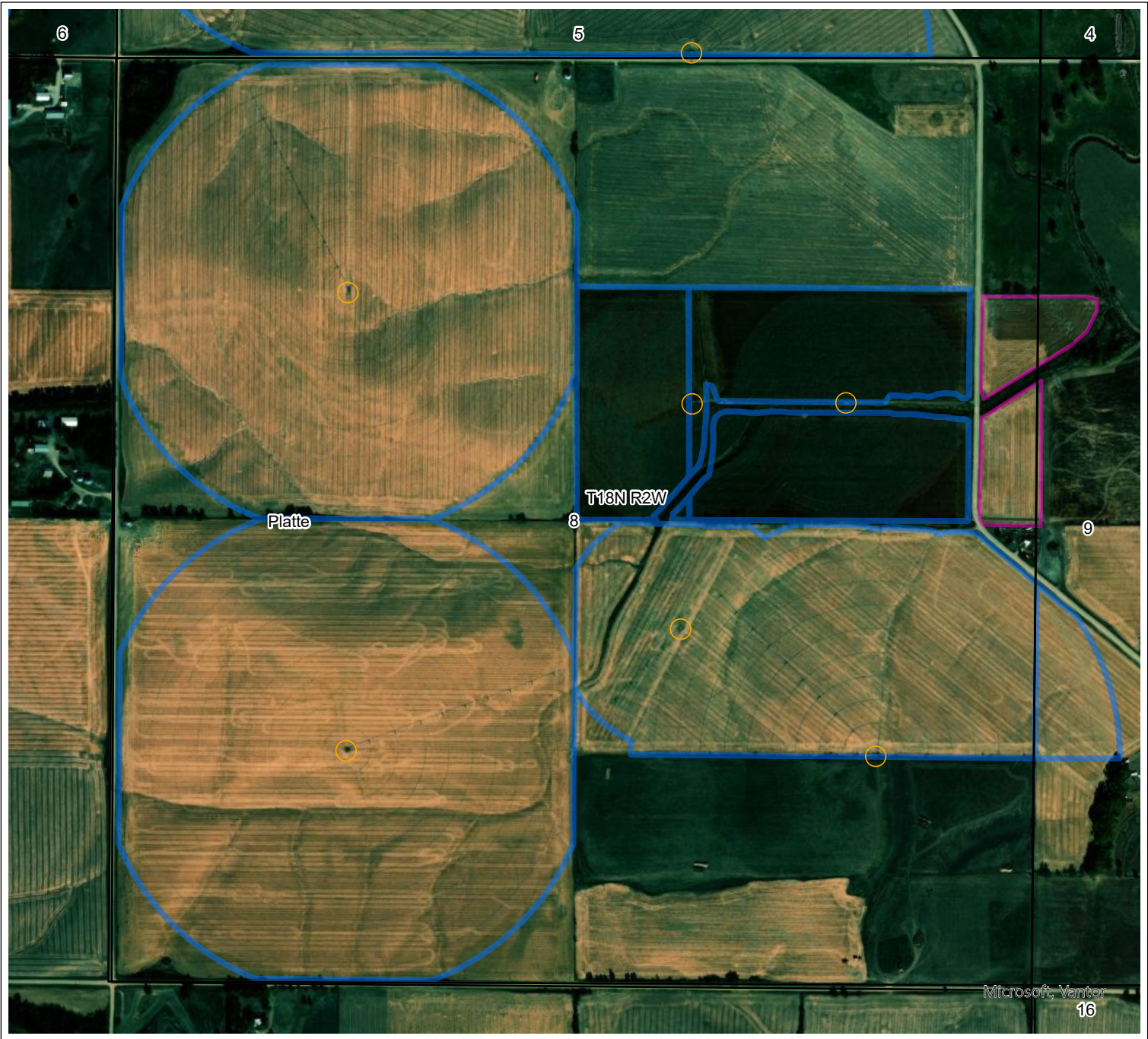
T18N R2W S8



LOWER PLATTE NORTH
Natural Resources District



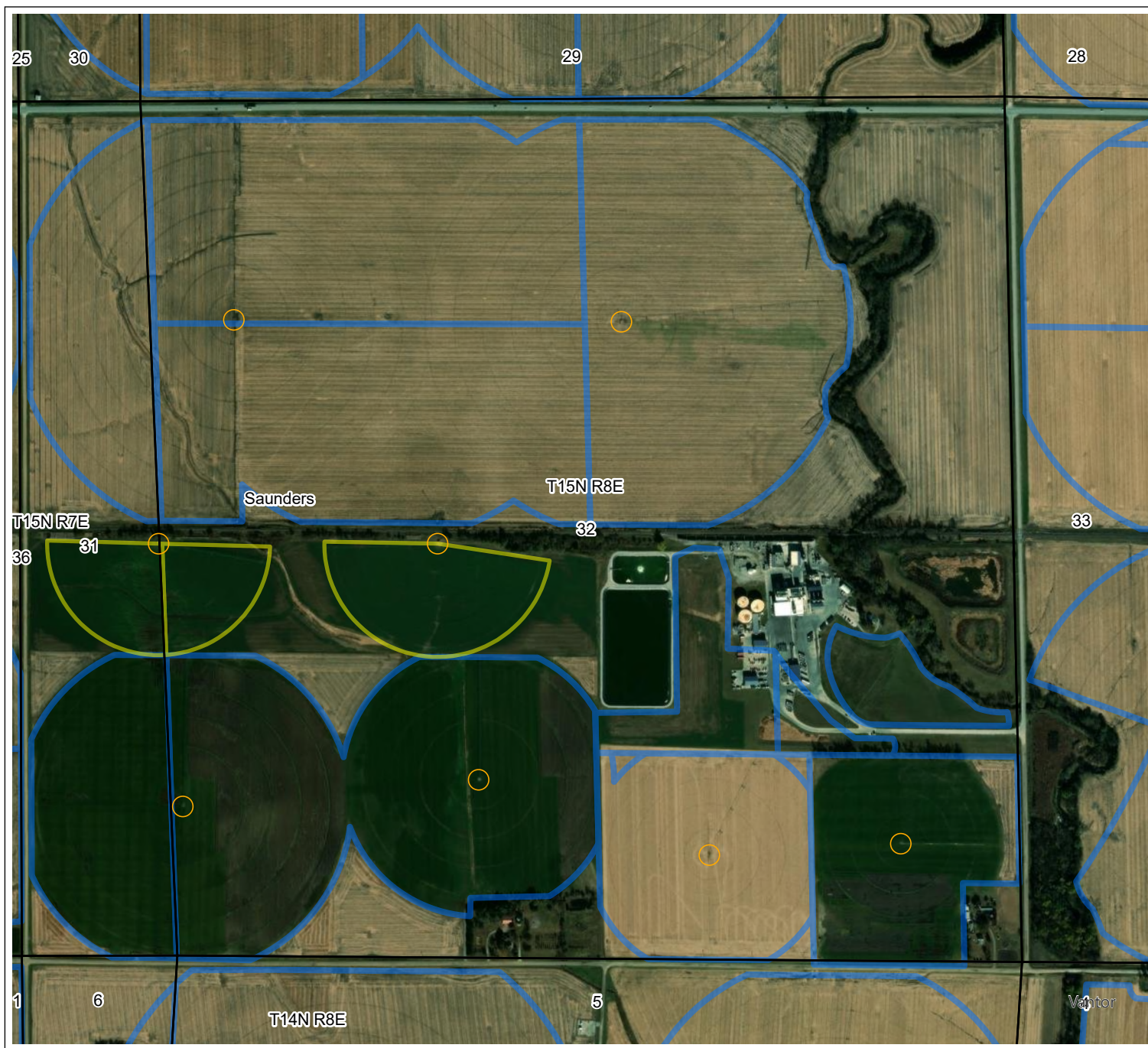
T18N R2W S8



LOWER PLATTE NORTH
Natural Resources District



T15N R8E S32



0 440 880 1,760 2,640 3,520 4,400 5,280 Feet



LOWER PLATTE NORTH
Natural Resources District



LPNNRD Well Interference Complaint Form 2022

Date of Complaint to LPNNRD:	
Taken by NRD Personnel (list name):	

Landowner Name:	
Landowner Mailing Address:	
Town, State, Zip code:	
Landowner Phone:	

Legal Description of well	_____ of _____	Section	T _____ N	R _____ E or W
Well Registration Number	A or G _____			

Type of Well: (Circle type)	Domestic	Stock	Irrigation	Public Water Supply	Other (List)
Type of Well: (Circle type)	Sand Point	Drilled			

Age of Well:		Depth of Well:	
Water level in well under normal Conditions:		Current water level in the well:	
When was the last time you had problems with the well?			

Name of Well Driller:	
Water Issue: (ie. Well problem vs Aquifer Problem, etc.)	
Work done by Well driller: (ie. Lower Bowls vs Drilling New Well, etc.)	
Cost:	

Comments:	
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WELL INTERFERENCE COMPLAINT FORM

To be completed by Lower Platte North Natural Resources District Staff

Complaint Number:

Date Received:

Received By:

SECTION 1- LANDOWNER INFORMATION

Full Name:

Mailing Address:

City:

State:

Zip:

County:

Primary Phone:

Email Address:

SECTION 2- LANDOWNER WELL INFORMATION

2A. Well Type

Primary Well Use:

☐ Domestic

☐ Irrigation

☐ Municipal

☐ Livestock

☐ Industrial/Commercial

☐ Other

If 'Other', please describe:

Well Construction Type:

☐ Drilled

☐ Bored

☐ Sand Point/Driven

2B. Well Identification

DWEE Well Registration Number:

A- _____ or G- _____

Well Location (Legal Description):

_____ of _____ Section _____ T _____ N R _____ E / W

2C. Well Details

Well Drilling Contractor:

Well Driller's License #:

Well Drilling Date:

Well Depth:

Casing Depth:

Pump Depth:		Top of Screen:	
Bottom of Screen:		Screen Slot Size:	
Pump Manufacturer:		Year Installed:	
Rated Capacity (GPM):		Motor Horsepower:	
Date of Last Service or Inspection:		Inspected or Serviced by:	

SECTION 3- DESCRIPTION OF WELL INTERFERENCE

Type of Issue:

☐ Turbid / discolored water	☐ Reduced flow	☐ Well went dry
	☐ Sand or sediment in water	☐ Other

If 'Other', please describe:

Date issue began:

Frequency: ☐ Continuous ☐ Intermittent

Describe the issue in detail (when it occurs, duration, frequency):

Describe what you believe is causing the issue:

SECTION 4- SUSPECTED INTERFERING WELL

Owner Name (if known)	
Owner Address (if known)	
DWEE Well Registration Number:	A- or G-
Well Location (Legal Description):	of Section T N R E / W
Estimated Depth:	

Estimated Capacity (GPM):

SECTION 5- DOCUMENTATION

Please include the following documents with this form. Incomplete submissions may delay the investigation.

Required documents checklist:

- | | |
|--|---|
| ☐ Well completion report/ driller's log | ☐ DWEE well registration record |
| ☐ Pump service or inspection records | ☐ Pump test data |
| ☐ Photos of well and surrounding area | ☐ Map or aerial photo showing well locations |

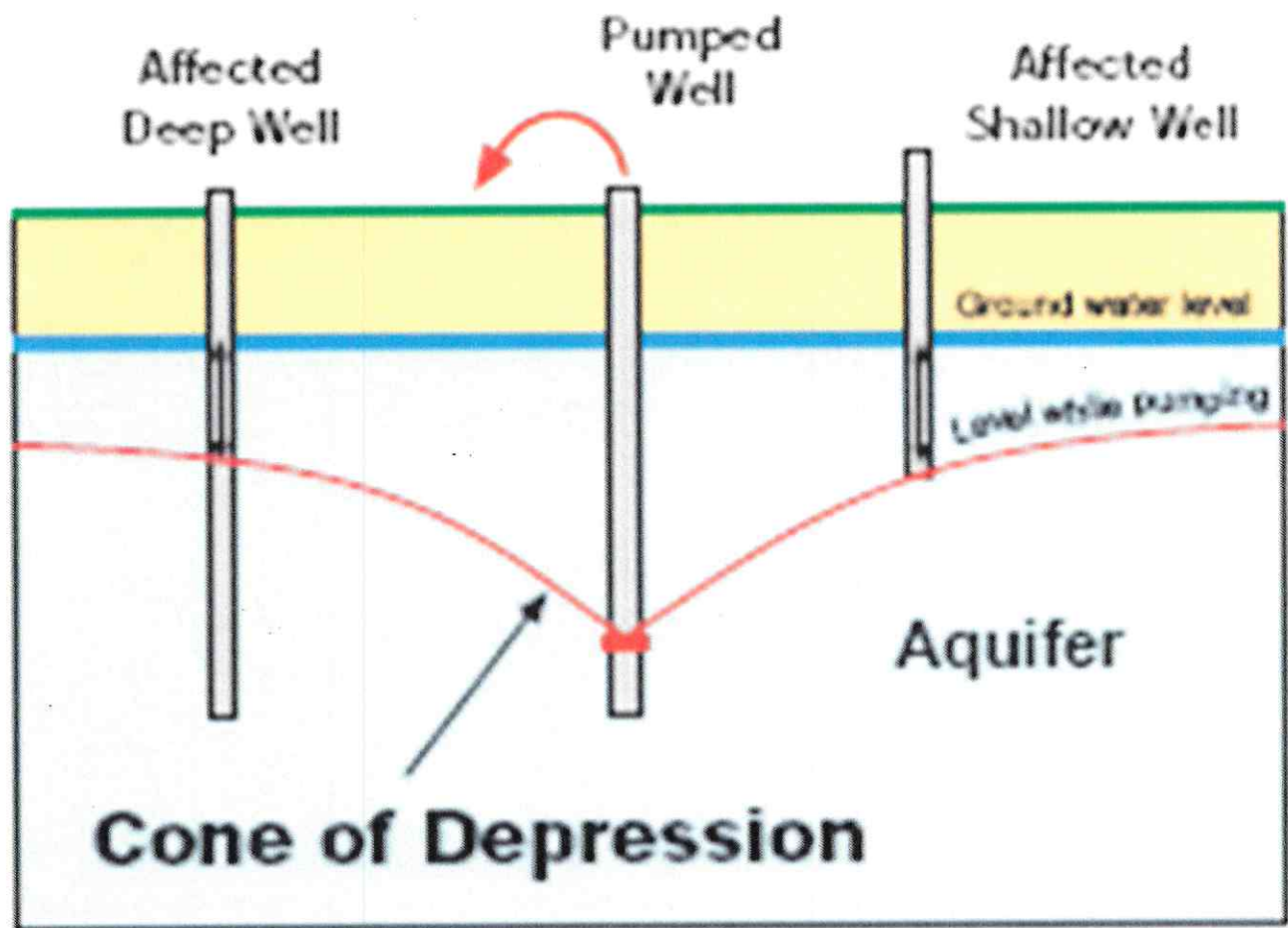
SECTION 6- CERTIFICATION AND SIGNATURE

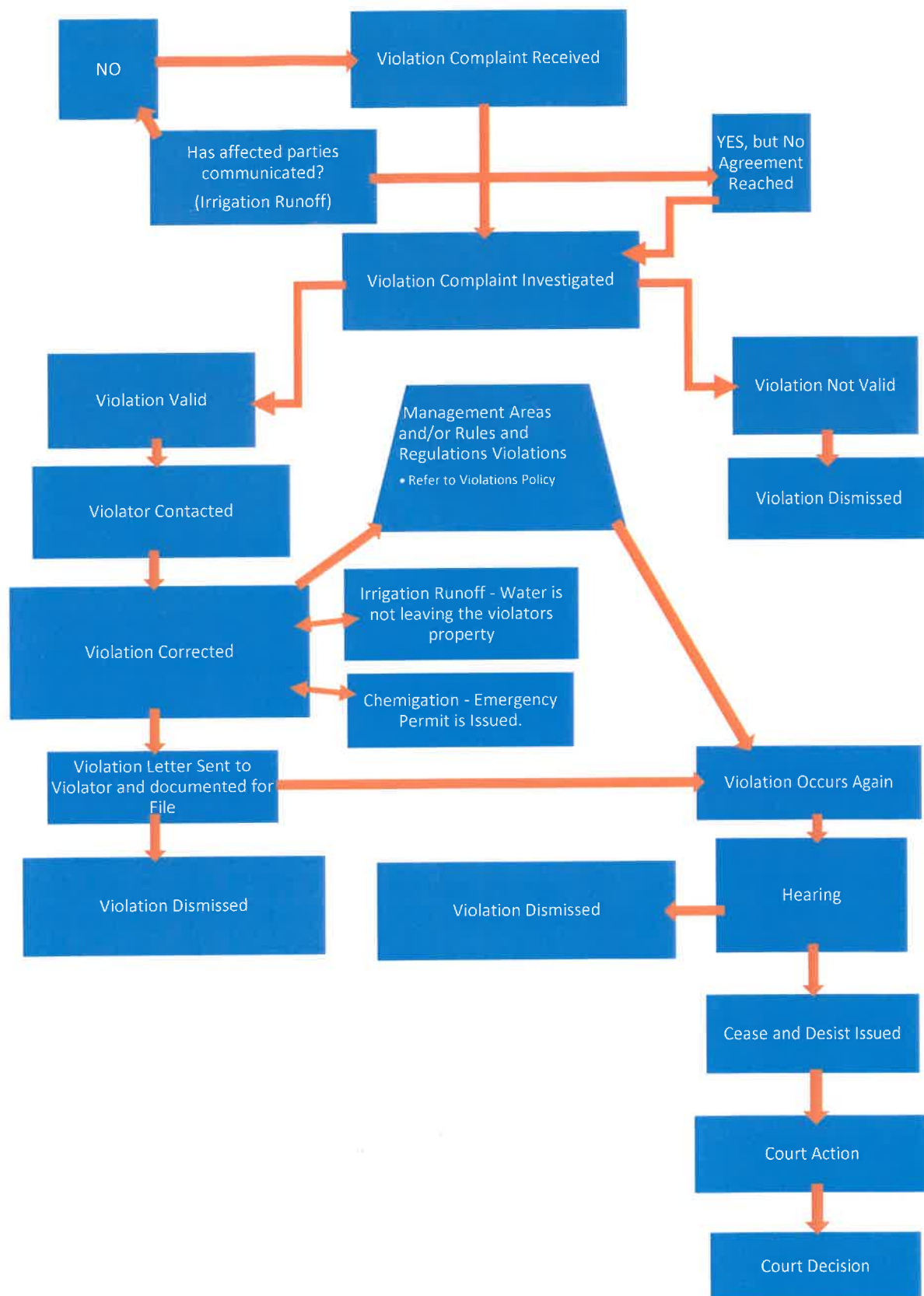
By signing below, the complainant certifies that all information provided is true and accurate to the best of their knowledge, and that they consent to Lower Platte North Natural Resources District staff and/or contractors accessing their property and well for investigation purposes.

Complainant Signature

Printed Name

Date







WELL INTERFERENCE RESPONSE PROTOCOL

To be completed by Lower Platte North Natural Resources District Staff

Complaint Number:	Date Received:	Received By:
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This protocol establishes the standard process for reviewing, investigating, and resolving well interference complaints filed with the Lower Platte North Natural Resources District (LPNNRD). All staff involved in complaint investigations shall follow these procedures. This protocol applies to all well types including domestic, irrigation, livestock, municipal, and industrial/commercial wells.

IMPORTANT: No regulatory action, including shut-off orders, shall be issued against any well operator until the investigation is complete and interference is verified. This applies to all wells, including those with shut-off stipulations in their permits. Premature shut-off requests may create legal liability and may not be supported by evidence.

PHASE 1 — INTAKE & INITIAL REVIEW

	Log and Acknowledge the Complaint
1.1	Upon receipt, assign a unique complaint number and log all information in the LPNNRD complaint tracking spreadsheet. Send written acknowledgment of receipt of the complaint within one business day (?), including the assigned complaint number, the name of the assigned investigator, and an estimated timeline for initial review.
1.2	Review Submitted Documentation The assigned investigator shall review all submitted documents including the well completion report, registration records, and any water level data. Identify any missing documentation and contact the complainant to obtain it. Check the LPNNRD and Nebraska DWEE databases for registration records of both the complainant's well and any suspected interfering wells.
1.3	Identify Permit Stipulations Pull permit records for all potentially involved wells. Flag any well that carries an interference or shut-off stipulation. Document this in the case file. Note: the existence of a shut-off stipulation does not authorize immediate action.
1.4	Inform Suspected Interfering Well Owner

	Within 2 business days of completing Step 1.3, the assigned investigator shall provide written notice to the owner of any well identified as potentially involved in the complaint. Notice shall be sent via certified mail. The notice shall inform the owner that a complaint has been received and their well has been identified for review, that no determination of fault or interference has been made, that no action is required at this time, and that LPNNRD staff may request access to their property or pump records as part of the investigation. If the well's permit contains a shut-off or interference stipulation, the notice shall reference that stipulation without implying it will be enforced. Staff shall document the date of notice and method of delivery in the case file
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PHASE 2 — FIELD INVESTIGATION

2.1	Initial Site Visit The investigator shall conduct an initial on-site visit to the complainant's property. • Verify well construction details against the submitted completion report. • Photograph the wellhead, controls, and surrounding area. • Interview the complainant to obtain additional details not captured in the written complaint. • Measure the static (non-pumping) water level in the complainant's well using a calibrated electric tape or steel tape. If the complainant's well is a domestic or municipal well, this must be done by a certified well driller or well inspector so proper disinfection protocols are adhered to. • Compare measured levels to historical records if available.
2.2	Site Visit with Certified Well Inspector or Well Driller If the initial investigation does not clearly identify the cause, or the well is a domestic or municipal well, the investigator may authorize a more thorough inspection with a certified well inspector or well driller. The certified well driller or inspector should do the following: • Determine and document whether any of the following causes may explain the complaint: ○ Pump or mechanical failure ○ Well screen issues ○ Regional water table decline due to drought or seasonal conditions ○ Water quality change unrelated to neighboring pumping • Measure the static (non-pumping) water level in the complainant's well using a calibrated electric tape or steel tape. • Compare measured levels to historical records if available. • If deemed necessary, perform a camera down-hole inspection. This inspection will assess casing condition and continuity, screen integrity

	and position, the presence of sediment or debris, and signs of casing corrosion or clogging. • Provide a written inspection report to add to the case file.
2.3	Hydrogeological Review For complex cases involving multiple affected wells, regional aquifer concerns, significant economic impacts, or disagreement between parties, the LPNNRD shall engage a licensed hydrogeologist for independent technical review. The hydrogeologist shall evaluate aquifer characteristics in the affected area, review all water level data collected, assess the hydraulic relationship between wells, and provide a written opinion. The hydrogeologist's report shall be obtained before final determination in these situations.

PHASE 3 — RESOLUTION

3.1	Internal Review and Determination The investigator shall compile all field data, inspection reports, and expert opinions into a case summary. The summary shall be reviewed by the LPNNRD Manager (or water committee??). A formal determination shall be made as to whether: (a) Well interference has been confirmed (b) An alternative cause is responsible (c) Insufficient evidence exists for determination
3.2	Notification of Findings Both the complainant and any implicated well operator(s) shall receive written notification of the determination within 10 business days of the conclusion of the investigation. Notification shall include a summary of findings, any supporting data, and available resolution options.
3.3	Resolution — Wells WITH Shut-Off Stipulation If interference is confirmed and the interfering well's permit contains a shut-off or interference stipulation, the LPNNRD may issue a formal order to cease pumping or reduce pumping as specified in the permit conditions. The order shall specify the effective date and time, pumping restrictions or schedule modifications required, conditions under which restrictions may be lifted, and the process for appeal. Orders shall be delivered in writing via certified mail and/or personal service.
3.4	Resolution — Wells WITHOUT Shut-Off Stipulation If the interfering well does not carry a shut-off stipulation, the NRD shall pursue resolution through: (a) Voluntary mediation or negotiated pumping schedule between the parties (b) Recommendation that the complainant consider deepening or rehabilitating their well

	(c) Legal referral if the parties cannot reach agreement and the LPNNRD's regulatory authority does not extend to mandatory action. The LPNNRD shall document all resolution attempts in the case file.
3.5	Case Closure A case shall be formally closed when: (a) The complaint is resolved by mutual agreement (b) A regulatory order has been issued and complied with (c) The complainant withdraws the complaint (d) or no interference is found. A case closure letter shall be sent to all parties. All documentation shall be retained in the NRD records system per the established records retention schedule.

Invoice

Bill To
Lower Platte North NRD PO Box 126 Wahoo, NE 68066

Date	Invoice #
6/9/2026	224

Quantity	Description	Rate	Amount
	Longitude 103 - Producer Connect App	5,000.00	5,000.00
	Producer Connect Annual Fee	9,036.59	9,036.59
Please remit payment to NARD Research - 8100 S. 15th St., Suite B, Lincoln, NE 68512		Total	\$14,036.59

Grosch Irrigation Co., Inc.
P.O. Box 337
3110 33rd Road
Silver Creek, NE 68663

308-773-2261 or 800-509-2261

Invoice

Date	Invoice #
6/29/2026	18710

Bill To
Williams Ag Corp. Jeff Hough 6011 Rolling Hills Blvd. Lincoln NE 68512

Project
130' Well Abandonment G-047495 NW1/4SW1/4 20-16-2E Butler County

Terms

Quantity	Description	Rate	Amount
19	HTH Powder	8.00	152.00T
1	Gravel	359.40	359.40T
1	Surface Seal/Bentonite Casing Seal	386.00	386.00T
3	Labor Decommissioning Well	150.00	450.00
2	Backhoe Service	175.00	350.00
1	Mobilization - None done while drilling	0.00	0.00
	Taxable Sales \$897.40		1,697.40
	Non - Taxable Service \$800.00		
	NE Sales Tax	5.50%	49.36
Thank You for your business. We appreciate your prompt payment. Net 30		Total	\$1,746.76



Quote – Q-166859

In-Situ, Inc.
221 E. Lincoln Avenue
Fort Collins, CO 80524
U.S.A.

Tel: (800) 446-7488
Fax: (970) 498-1598
Email: sales@in-situ.com
Web: www.in-situ.com

Issued By: Elizabeth Cook
Date: June 1, 2026
Quote Valid for 30 days

Sales Manager	Customer ID	Payment Terms	Shipping Method	INCO Terms	Final Destination
Elizabeth Cook	C004961	NET 30 DAYS	FedEx Ground		United States Nebraska

Quote To:
Lower Platte North NRD 1616 CR 17 Wahoo, Nebraska 68066 United States
Attn:
Jake Pittman jpittman@lpnrd.org (402) 443-4675

Ship To:
Lower Platte North NRD 1616 CR 17 WAHOO, Nebraska 68066 United States
Comments:

Equipment

Line	Product Description	Part Number	Unit of Sale	Qty.	Unit List Price	Total List Price	Disc.	Customer Total Price
1.	HydroVu Basic Prepaid Code (Months)	0102500	Each	720	\$11.00	\$7,920.00	15.00%	\$6,732.00
Subtotal:								\$6,732.00

Quote Total

*Tax is not normally quoted due to State & local variability. If you need to have Tax included in this quotation, please contact us.
If your organization is a tax-exempt entity, please email or fax a copy of your tax-exempt certificate to taxcerts@in-situ.com or fax to (970) 498-1598.
Tax rates will be based on delivery address of the order. If your organization qualifies for GSA pricing, please verify eligibility requirements on the GSA website at [GSA Eligibility Determinations](#) and confirm if you intend to use the GSA contract for this purchase.*

Sales Tax: \$0.00

For further information regarding the Warranty or Terms and Conditions, please refer to our website at <https://in-situ.com/us/terms-conditions/>

All quoted product & service prices are in U.S. Dollars unless specifically noted otherwise.

Shipping: \$0.00

Total Amount (Excludes Optional Items): USD \$6,732.00



Quote – Q-168606

In-Situ, Inc.
221 E. Lincoln Avenue
Fort Collins, CO 80524
U.S.A.

Tel: (800) 446-7488
Fax: (970) 498-1598
Email: sales@in-situ.com
Web: www.in-situ.com

Issued By: Elizabeth Cook
Date: July 1, 2026
Quote Valid for 30 days

Sales Manager	Customer ID	Payment Terms	Shipping Method	INCO Terms	Final Destination
Elizabeth Cook	C004961	NET 30 DAYS	FedEx Ground		United States Nebraska

Quote To:
Lower Platte North NRD 1616 CR 17 Wahoo, Nebraska 68066 United States
Attn:
Jake Maslonka jmaslonka@lpnrd.org 4024434675

Ship To:
Lower Platte North NRD 1616 CR 17 WAHOO, Nebraska 68066 United States
Comments:

Equipment

Line	Product Description	Part Number	Unit of Sale	Qty.	Unit List Price	Total List Price	Disc.	Customer Total Price
1.	VuLink 4G/LTE/2G Cellular Antenna with 1.5m cable (IP67, recommended for VuLink CI)	0043630	Each	5	\$45.00	\$225.00	23.98%	\$171.05
2.	4G/LTE/2G High Gain Whip Antenna (IP67, 250mm)	0100120	Each	2	\$42.00	\$84.00	18.55%	\$68.42
Subtotal:								\$239.47

Quote Total

*Tax is not normally quoted due to State & local variability. If you need to have Tax included in this quotation, please contact us.
If your organization is a tax-exempt entity, please email or fax a copy of your tax-exempt certificate to taxcerts@in-situ.com or fax to (970) 498-1598.
Tax rates will be based on delivery address of the order. If your organization qualifies for GSA pricing, please verify eligibility requirements on the GSA website at [GSA Eligibility Determinations](https://www.gsa.gov) and confirm if you intend to use the GSA contract for this purchase.*

Sales Tax: \$0.00

For further information regarding the Warranty or Terms and Conditions, please refer to our website at <https://in-situ.com/us/terms-conditions/>

All quoted product & service prices are in U.S. Dollars unless specifically noted otherwise.

Shipping: \$0.00

Total Amount (Excludes Optional Items): USD \$239.47



Quote – Q-166886

In-Situ, Inc.
221 E. Lincoln Avenue
Fort Collins, CO 80524
U.S.A.

Tel: (800) 446-7488
Fax: (970) 498-1598
Email: sales@in-situ.com
Web: www.in-situ.com

Issued By: Elizabeth Cook
Date: June 1, 2026
Quote Valid for 30 days

Sales Manager	Customer ID	Payment Terms	Shipping Method	INCO Terms	Final Destination
Elizabeth Cook	C004961	NET 30 DAYS	FedEx Ground		United States Nebraska

Quote To:
Lower Platte North NRD 1616 CR 17 Wahoo, Nebraska 68066 United States
Attn:
Daryl Andersen dandersen@lpnrd.org (402) 443-4675

Ship To:
Lower Platte North NRD 1616 CR 17 WAHOO, Nebraska 68066 United States
Comments:

Equipment

Line	Product Description	Part Number	Unit of Sale	Qty.	Unit List Price	Total List Price	Disc.	Customer Total Price
1.	HydroVu Basic Prepaid Code (Months)	0102500	Each	120	\$11.00	\$1,320.00	15.00%	\$1,122.00
Subtotal:								\$1,122.00

Quote Total

*Tax is not normally quoted due to State & local variability. If you need to have Tax included in this quotation, please contact us.
If your organization is a tax-exempt entity, please email or fax a copy of your tax-exempt certificate to taxcerts@in-situ.com or fax to (970) 498-1598.
Tax rates will be based on delivery address of the order. If your organization qualifies for GSA pricing, please verify eligibility requirements on the GSA website at [GSA Eligibility Determinations](#) and confirm if you intend to use the GSA contract for this purchase.*

Sales Tax: \$0.00

For further information regarding the Warranty or Terms and Conditions, please refer to our website at <https://in-situ.com/us/terms-conditions/>

All quoted product & service prices are in U.S. Dollars unless specifically noted otherwise.

Shipping: \$0.00

Total Amount (Excludes Optional Items): USD \$1,122.00



In-Situ, Inc.
221 E. Lincoln Avenue
Fort Collins, CO 80524
U.S.A.

Tel: (800) 446-7488
Fax: (970) 498-1598
Email: sales@in-situ.com
Web: www.in-situ.com

Quote – Q-168601

Issued By: Elizabeth Cook

Date: July 1, 2026

Quote Valid for 30 days

Sales Manager	Customer ID	Payment Terms	Shipping Method	INCO Terms	Final Destination
Elizabeth Cook	C004961	NET 30 DAYS	FedEx Ground		United States Nebraska

Quote To:
Lower Platte North NRD 1616 CR 17 Wahoo, Nebraska 68066 United States
Attn:
Jake Maslonka jmaslonka@lpnrd.org 4024434675

Ship To:
Lower Platte North NRD 1616 CR 17 WAHOO, Nebraska 68066 United States
Comments:

Equipment								
Line	Product Description	Part Number	Unit of Sale	Qty.	Unit List Price	Total List Price	Disc.	Customer Total Price
1.	Level TROLL 500, Level Sensor Range - 70m, 231 ft (100 Psig)	0089030	Each	5	\$1,425.00	\$7,125.00	15.98%	\$5,986.55
2.	VuLink CI (Global Cellular, does not include antenna)	0094840	Each	5	\$1,195.00	\$5,975.00	30.75%	\$4,137.45
3.	VuLink 4G/LTE/2G Cellular Antenna with 1.5m cable (IP67, recommended for VuLink CI)	0043630	Each	5	\$45.00	\$225.00	23.98%	\$171.05
4.	VuLink Lithium Battery Set (Lithium MnO2)	0103050	Each	5	\$95.00	\$475.00	18.25%	\$388.30
5.	Rugged Twist-Lock Cable Vented Poly Twist-Lock No Adapter SM Spool	0052000 VENTED POLY TWISTLOCK NO_ADAPTER SM_SPOOL	182ft	1	\$1,092.70	\$1,092.70	15.00%	\$928.80
6.	Rugged Twist-Lock Cable Vented Poly Twist-Lock No Adapter No Reel	0052000 VENTED POLY TWISTLOCK NO_ADAPTER NO_REEL	85ft	1	\$607.25	\$607.25	15.00%	\$516.16
7.	Rugged Twist-Lock Cable Vented Poly Twist-Lock No Adapter SM Spool	0052000 VENTED POLY TWISTLOCK NO_ADAPTER SM_SPOOL	195ft	1	\$1,155.75	\$1,155.75	15.00%	\$982.39
8.	Rugged Twist-Lock Cable Vented Poly Twist-Lock No Adapter SM Spool	0052000 VENTED POLY TWISTLOCK NO_ADAPTER SM_SPOOL	255ft	1	\$1,446.75	\$1,446.75	15.00%	\$1,229.74



Quote – Q-168601

In-Situ, Inc.
221 E. Lincoln Avenue
Fort Collins, CO 80524
U.S.A.

Tel: (800) 446-7488
Fax: (970) 498-1598
Email: sales@in-situ.com
Web: www.in-situ.com

Issued By: Elizabeth Cook
Date: July 1, 2026
Quote Valid for 30 days

9.	Rugged Twist-Lock Cable Vented Poly Twist-Lock No Adapter SM Spool	0052000 VENTED POLY TW ISTLOCK NO_ADA PTER SM _SPOOL	150ft	1	\$937.50	\$937.50	15.00%	\$796.88
Subtotal:								\$15,137.32

Quote Total

*Tax is not normally quoted due to State & local variability. If you need to have Tax included in this quotation, please contact us.
If your organization is a tax-exempt entity, please email or fax a copy of your tax-exempt certificate to taxcerts@in-situ.com or fax to (970) 498-1598.
Tax rates will be based on delivery address of the order. If your organization qualifies for GSA pricing, please verify eligibility requirements on the GSA website at [GSA Eligibility Determinations](https://www.gsa.gov) and confirm if you intend to use the GSA contract for this purchase.*

Sales Tax: **\$0.00**

*For further information regarding the Warranty or Terms and Conditions, please refer to our website at <https://in-situ.com/us/terms-conditions/>
All quoted product & service prices are in U.S. Dollars unless specifically noted otherwise.*

Shipping: **\$0.00**

Total Amount (Excludes Optional Items): **USD \$15,137.32**



In-Situ, Inc.
221 E. Lincoln Avenue
Fort Collins, CO 80524
U.S.A.

Tel: (800) 446-7488
Fax: (970) 498-1598
Email: sales@in-situ.com
Web: www.in-situ.com

Quote – Q-168601

Issued By: Elizabeth Cook
Date: July 1, 2026
Quote Valid for 30 days

Managing your data has never been this easy!

Our intuitive [VuSitu Mobile App](#) allows you to view data from the field on your smartphone or tablet. For long-term or remote sites, integrate In-Situ instruments with our [remote wireless monitoring](#) and cloud-based [HydroVu Data Services](#) for real-time, decision-quality data. Ask your sales rep for more information.



Metos USA, LLC

3239 Monier Cir #3
Rancho Cordova, 95742, CA
Phone +1 559-753-0490

Date June 19, 2026

Quote # Q006499

Payment Terms:

Bill To

Account name Lower Platte North Natural Resources District
Address 511 Commercial Park Road
City, Prov Wahoo, NE, 68066
Contact person
Email
Phone

Ship To

Company Lower Platte North Natural Resources District
Address Lower Platte North NRD
City, Prov , ,
Contact person
Email
Phone

QUANTITY	PRODUCT CODE	PRODUCT NAME	MSRP	SALE PRICE	TOTAL
67.00	Annual Fee - ECO D3 / IMT 3.3	Annual Fee - ECO D3 / IMT 3.3 - Data Processing, LTE Cell Service, Help Desk, API Access	\$170.00	\$153.00	\$10,251.00
SUBTOTAL					\$10,251.00
TOTAL					\$10,251.00

Order Notes:

THANK YOU FOR YOUR BUSINESS!

Name:

Signature:

Metos USA, LLC

3239 Monier Cir #3
Rancho Cordova, 95742, CA
Phone +1 559-753-0490

Date June 16, 2026

Quote # Q006479

Payment Terms:

Bill To

Account name Lower Platte North Natural Resources District
Address 511 Commercial Park Road
City, Prov Wahoo, NE, 68066
Contact person
Email
Phone

Ship To

Company Lower Platte North Natural Resources District
Address Lower Platte North NRD
City, Prov , ,
Contact person
Email
Phone

QUANTITY	PRODUCT CODE	PRODUCT NAME	MSRP	SALE PRICE	TOTAL
1.00	900026	Hyt / PI Air Sensor With Convection Cap	\$375.00	\$375.00	\$375.00
1.00	900208	900208 PI Rain GAUGE MODULE: 0,2 MM RESOLUTION)	\$375.00	\$375.00	\$375.00
1.00	900000	Pessl Instruments Pyranometer (Solarimeter)	\$315.00	\$315.00	\$315.00
1.00	900169	PI SINGLE LEAF TEMPERATURE SENSOR MODULE for IMT	\$235.00	\$235.00	\$235.00
1.00	600246	MWS - PI Mechanical Wind Speed Sensor	\$275.00	\$275.00	\$275.00
1.00	600247	MWD - PI Mechanical Wind Direction Sensor	\$750.00	\$750.00	\$750.00
1.00	Annual Fee - ECO D3 / IMT 3.3	Annual Fee - ECO D3 / IMT 3.3 - Data Processing, LTE Cell Service, Help Desk, API Access	\$170.00	\$170.00	\$170.00
1.00	800002 - User Activated Code	User Activated Code - Annual Weather Forecast + Work Planning & Animal Production Services	\$250.00	\$250.00	\$250.00
1.00	800005 - User Activated Code	iMETOS - Virtual Weather Station Subscription (Activation & Annual Subscription)	\$270.00	\$270.00	\$270.00
1.00	800008 - Metos Activated	Metos Extended - iMETOS Virtual Weather Station Extension Of Annual Subscription	\$230.00	\$230.00	\$230.00
SUBTOTAL					\$3,245.00
TOTAL					\$3,245.00

Order Notes:

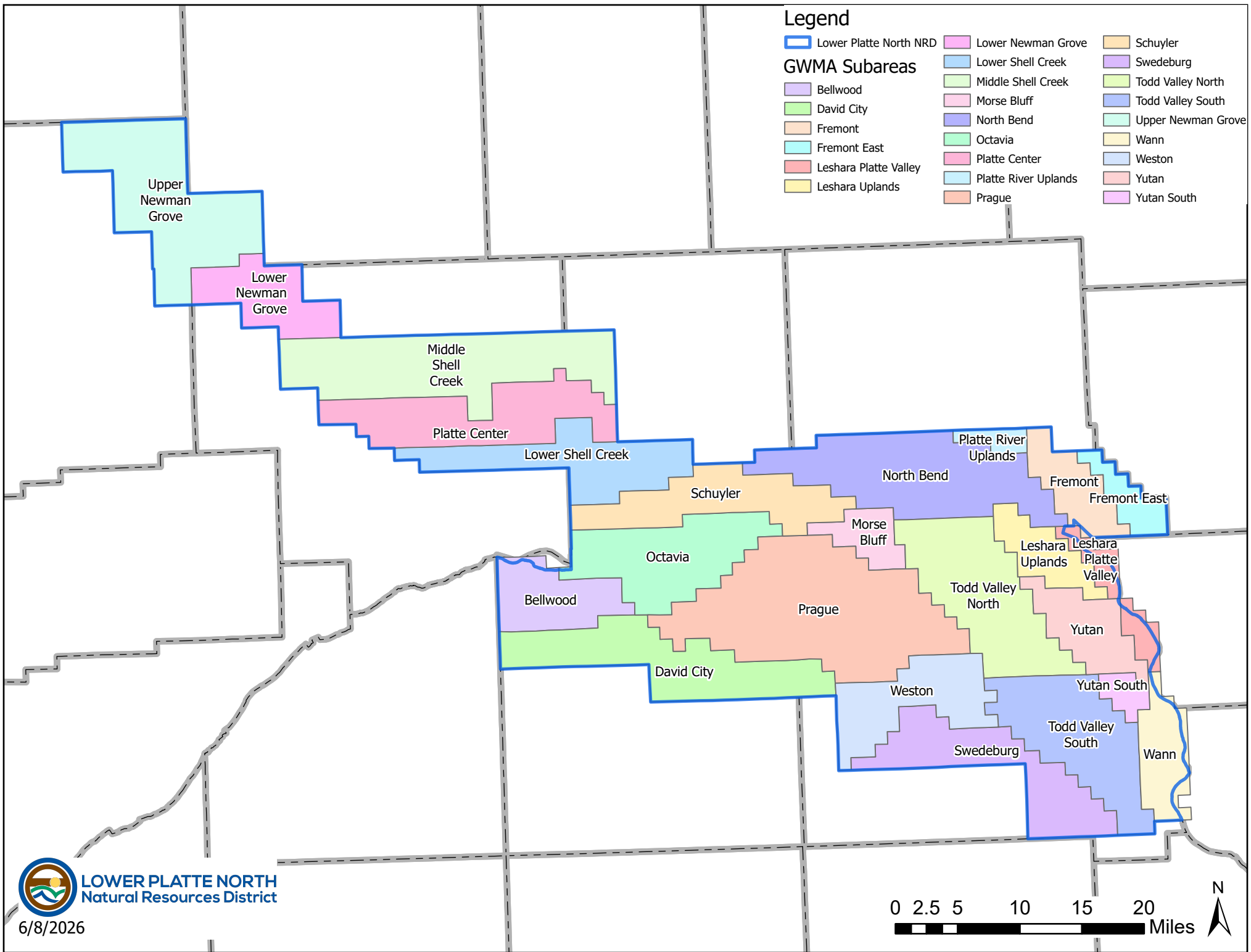
THANK YOU FOR YOUR BUSINESS!

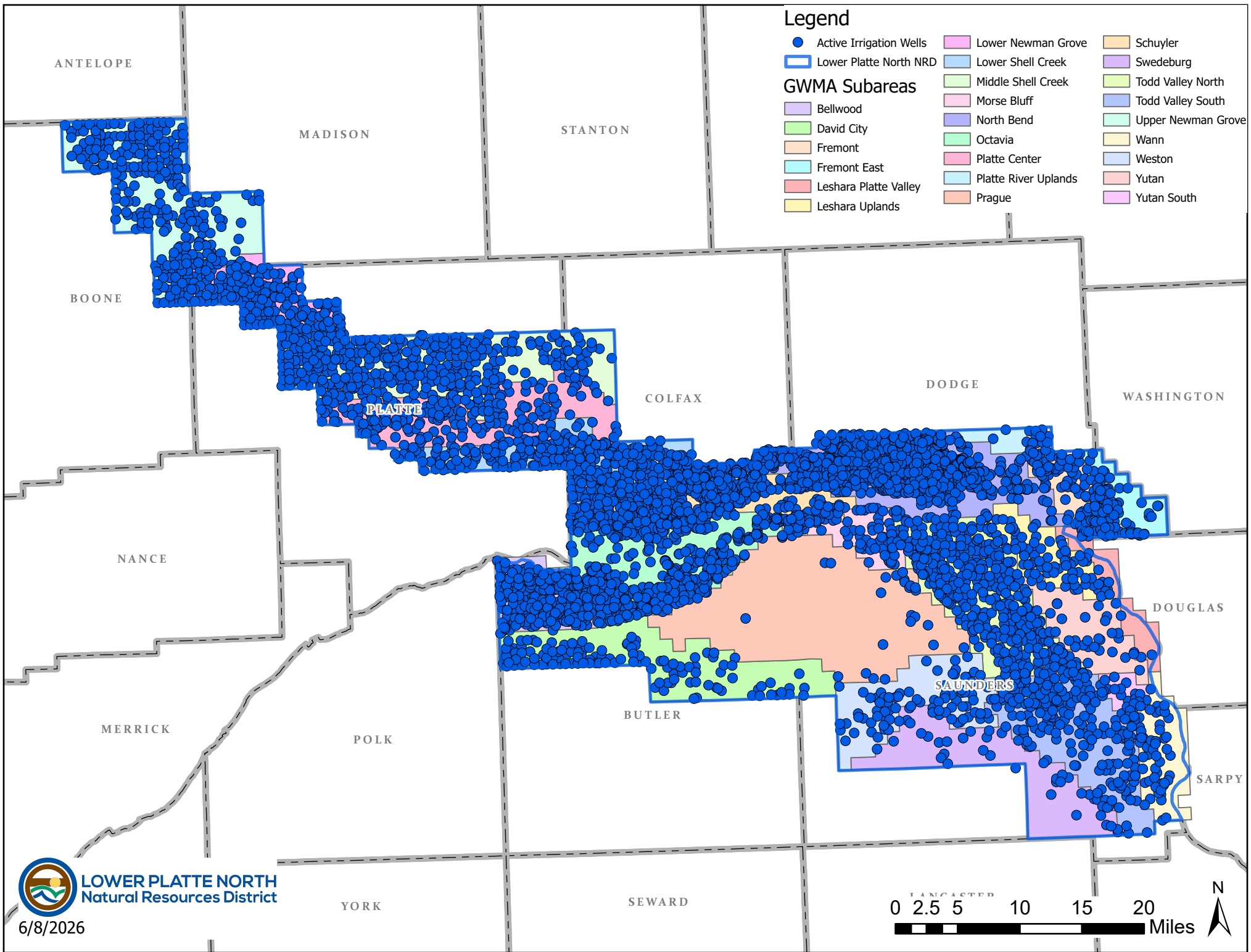
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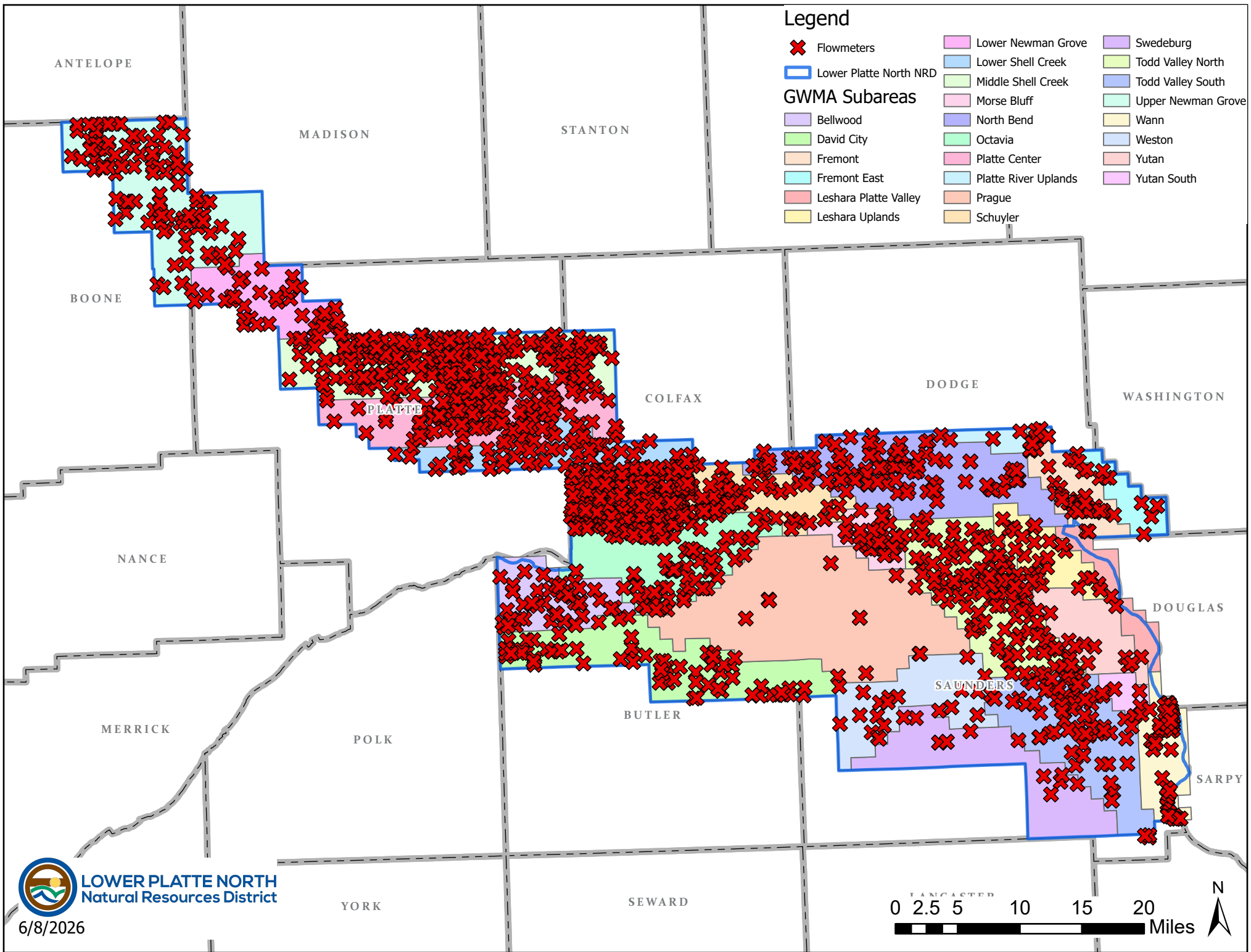
Signature:

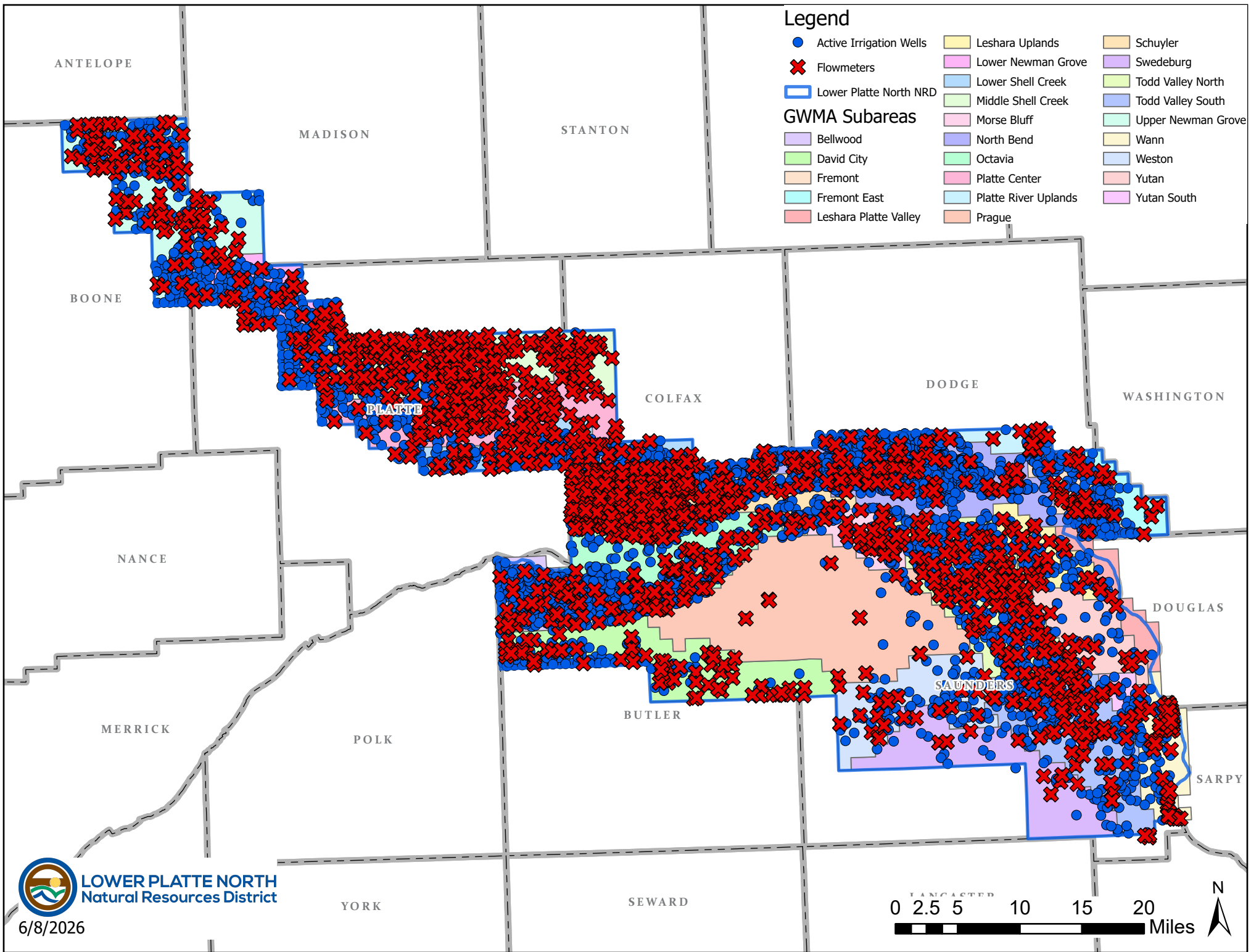
Legend

- | | | |
|------------------------|----------------------|--------------------|
| Lower Platte North NRD | Lower Newman Grove | Schuyler |
| GWMA Subareas | Lower Shell Creek | Swedeburg |
| Bellwood | Middle Shell Creek | Todd Valley North |
| David City | Morse Bluff | Todd Valley South |
| Fremont | North Bend | Upper Newman Grove |
| Fremont East | Octavia | Wann |
| Leshara Platte Valley | Platte Center | Weston |
| Leshara Uplands | Platte River Uplands | Yutan |
| | Prague | Yutan South |









Legend

- Active Irrigation Wells
 - ✕ Flowmeters
 - ▭ Lower Platte North NRD
- ### GWMA Subareas
- 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 North
 - Todd Valley South
 - Upper Newman Grove
 - Wann
 - Weston
 - Yutan
 - Yutan South



LOWER PLATTE NORTH
Natural Resources District

6/8/2026