

Regular Board of Directors Meeting
Monday, October 10, 2022 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

None this month.

4.C. NARD Report

4.D. NRC Report

With the Columbus Day holiday, Mark will not be in attendance for tonight's meeting. He will combine this month's report with his report at next month's meeting.

4.E. Managers Report

4.F. Education Program

Kyle Overturf will review the Annual Audit with the Board.

5. Approval of Minutes

Are there any additions or corrections to the minutes? If not they will be approved on 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. GMDA Winter Conference

The GMDA Winter Conference is being held January 23-26, 2023 at King and Prince Beach and Golf Resort - St. Simons Island, Georgia. See attached save the date notice.

6.A.2.a.2. 2023 NACD Annual Meeting

The 2023 NACD Annual Meeting is being held February 11-15, 2023 at New Orleans Marriott. See attachment for registration details. (early registration is due December 23)

6.A.2.b. Reports

6.A.2.b.1. NARD Fall Conference and NARD Board Meeting

6.A.3. MANAGEMENT ITEMS

6.A.3.a. Directors Absence

6.A.3.b. Monthly Education Program

Klye Overturf will be presenting the Annual Audit at our October Board Meeting.

6.A.3.c. Long Range Plan

We are requesting any final comments on our FY23 Long Range Plan which will be presented for approval at the October 10th Board Meeting. Attached is the latest draft for your review.

6.A.3.d. Wahoo Creek - JEDI Funding Update

Staff has been in communication with NeDNR to have our Wahoo Creek Project certified through their department. This certification is required to allow DNR to act as funding agent for the project. Once the project is certified, DNR will develop a cooperation agreement between us providing the ability for LPNNRD to utilize the \$22m in JEDI funding and move forward with the projects.

6.A.4. EQUIPMENT

6.A.5. PERSONNEL

6.A.6. FINANCE

6.A.6.a. FY2022 Annual Audit

Kyle Overturf will be available at Board Meeting on October 10th to discuss the Audit Report.

A motion will be needed at Board Meeting to accept and place on file the 2022 Audit Report as prepared and presented by Almquist, Malzahn, Galloway and Luth.

6.A.6.b. Approval of Financial Reports

Attached find the draft August financial statements. Grant will be available for an update.

A motion will be needed at Board Meeting to approve the July and August Financial Statements.

6.A.6.c. Approval of Managers Time and Expense Sheets - Attachment

6.A.6.d. Accounts over 90 Days

6.B. Operations Committee - Action as Required

6.B.1. UNFINISHED BUSINESS

We have no unfinished business to consider.

6.B.2. WILD NE AND OTHER PROGRAMS

Schomer and Heimann met with members of Ducks Unlimited and NE Game & Parks on the Wanahoo Wetland Enhancement Project in the area of our dirt barrow area. A Ducks Unlimited surveyor will get elevations of the entire area sometime before December. Detailed plans will then be developed on how much area will be excavated and where materials will be deposited on site. The NRD and G & P would like to prescribe burn the area in late winter/early spring of 2023. Then control the vegetation by either mowing (if dry) or aerial spraying. Estimated construction in the Fall of 2023. Area map attached.

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

O & M staff continues to remove trees from all of our public grounds and project areas. A beaver dam on the Rawhide Diagonal ditch culverts was removed. Heimann accompanied the Corps of Engineers on their annual inspection of the Clear Creek Levee system. The inspection went well with no major infractions. The RCC crack contractor, Fisher Building Services, is on the job filling cracks in the Wanahoo RCC auxiliary spillway.

6.B.3.a. Wanahoo Stilling Basin - (FEMA)

The Wanahoo stilling basin apron floor project is currently being advertised. A list of contractors have been notified of the project. The design and specs have been reviewed by DNR Dam Safety. A pre-bid site showing took place on Wednesday, Sept. 28th at 10:00 with three contractors present. The bid opening is Oct. 5 at 2:00 pm at the LPNNRD office. LPNNRD approves a bid or rejects all bids at the Board Meeting Oct. 10.

Attached find the Engineers recommendation, bid tabulation and ME Collins bid.

A motion will be needed at Board Meeting if the LPNNRD wants to award the project to M.E. Collins Contracting Co. and begin the contracting process.

6.B.3.b. NRD Owned Thomas Lake Lots

The Thomas Lake Homeowners Association has drafted some new by-laws for the lots the District proposes to sell. Staff will contact the Association's president for more discussion regarding future use. Our new easements allow for removable items such as tents and RV's to be used on the four lots on the Thomas Lakes high ground. New HOA rules will not allow removable items. Not allowing removable items may affect the price of the lots. We may move forward with a sale in the next couple of months or after the first of the year.

6.B.3.c. Prescribe Burn Association

Staff would like to become a member of the Pheasant Forever Bohemian Alps Burn Association (\$25). It was also mentioned that the District could possibly make an annual donation to the PBA for their use in purchasing equipment or repairs. A donation may also be an incentive to assist in burns annually on the Wanahoo property. Find their Prescribed Burn Unit Activity Report Form attached.

There is an Interlocal Cooperation Act Agreement between LPNNRD, NGPC and PF for the operation & maintenance of Lake Wanahoo and Pheasant Forever Wetland areas (see attached). Item 3.b. in the agreement states how LPNNRD, G & P, PF will work together to provide labor, technical assistance, and equipment for controlled burns.

Even though there's an interlocal agreement saying they should be assisting, it doesn't mean the district can't contribute to expenses for their work and assistance in helping other landowners care for their grasslands.

6.B.3.d. Olsson Professional Services for Wanahoo Dam

Attached is a proposal from Olsson's for Professional Services Wanahoo Dam Instrumentation Monitoring, (see Scope of Services). The agreement covers three years; January 2023 - December 2025. The cost for this contract for services is \$56,469.35, of which \$1,869.35 is for additional services on the previous contract related to the evaluation and consultation on the pressure relief wells.

In the previous contract, the District did not elect to do Task II unless it was necessary. Olsson's is now stressing that Task II is important for these reasons; 1) Recent changes to the outlet channel, including additional pressure relief wells, will impact the models and warning conditions. 2) The yellow flag elevations are based on now-outdated models and will likely change with respect to reservoir pool elevations. 3) With the history of collected instrumentation measurements, we can now develop a more accurate prediction of the dam's stability based on actual measurements.

A dam is a dynamic system, and understanding and predicting its behavior requires on-going analysis with up-dated data.

6.B.3.e. Grass Drill Rental Schuyler Co-op

The District received payment of \$535.35 from Schuyler Coop for grass drill rental during the first half of the year. Nine cooperators used the grass drill.

6.B.3.f. Cottonwood Dam Assessments 21-A & 7-A

JEO has completed a draft of the dam assessments on Cottonwood 21-A and 7-A through the NRCS Dam Assessment Program. The NRCS cost-share for construction is 65%. We are awaiting DNR Dam Safety review of the reports. The reports will then be reviewed by NRCS. (Attached is a segment of the report explaining the Rehabilitation Alternatives and cost and also an aerial of the design change to the auxiliary spillway.) The Dept. of Natural Resources Dam Safety lists 21-A as "Unsatisfactory Condition". Alternatives for Cottonwood 21-A as follows:

Alt-1 - Restore Auxillary Spillway, Raise Top of the Dam, & account for an additional 100 years of sediment life, estimated cost of \$4,540,000.

Alt-2 - Replace Spillway System with Weir & Box Culvert, & eliminate the auxiliary

spillway, estimated cost of \$4,200,000.

Alt-3 - Realign Auxillary Spillway & Roadway, Evaluate Sediment Storage, estimated cost of \$1,750,000. (\$1,390,000 - \$2,500,000).

Alt-4 - Non-Federal, Replace Principal Spillway w/ Box Culvert & Restore Auxilliary Spillway, Do not Increase Sediment Storage, estimated cost of \$3,340,000.

Alt-5 - Non-Federal, Realign Auxillary Spillway & Roadway, Do not increase sediment storage, estimated cost of \$890,000.

Federal alternatives need a 100 yr design life both for sediment storage and for materials used. JEO has modified Alternative 5, which could potentially get federal dollars, some items or changes can sometimes be negotiable. NRCS will review and in the next phase of Planning & Design some strict criteria may be negotiable and the exact rehab may or may not be one of the ones listed. There are more steps or phases we must discuss with NRCS.

Alternatives for Cottonwood 7-A are as follows:

Alt-1 - Increase Design Life by Increasing Storage Capacity, estimated cost of \$5.5 - 6.5 million.

Alt-2 - Increase Design Life by Periodic Sediment Removal, estimated cost of \$22.1 - 43.1 million.

6.B.3.g. Conservation Tree Price

The District currently charges \$1.00/tree for hand plants and \$2.00/tree for machine planting. Bessey Nursery has raised their prices .05, charging .87/ tree for 2023. In the past two years, Bessey has raised their price .09. The out of state nurseries we order from have also raised their prices and charge anywhere between .83 to over \$1.00/tree.

6.B.3.h. Recresation Area Hay Harvest

Dan Kadavy completed haying the Homestead Lake area. He had 66 bales at a total weight of 42 tons. He over paid at a rate of \$82.50/ton, his bid was \$81.00/ton. He will be reimbursed \$57.59. His total payment to the district is \$3,421.44.

Ken Cejka hayed a portion of Wanahoo. He had 83 bales at a total weight of 51 tons. His bid was \$88.00/ton, he paid the District \$4,488.00.

6.B.4. ROCK AND JETTY

We have not received any requests for payment or applications. Information regarding 404 permitting was sent to one cooperator.

6.B.5. LAKE WANAHOO

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

For the month of August, the District received \$2,902.50 in park permit revenue. The

year by year break down of annual permit sales is listed below.

Month	Monthly Total	YTD
August 2022	\$2902.50	\$71,768.00
August 2021	\$2700.00	\$82,262.50
August 2020	\$5035.00	\$92,507.50
August 2019	\$4302.50	\$79,612.50

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

For the month of August, the District received \$15,626.91 in camping revenue. The year by year comparison is listed below.

Month	Month Total	YTD
July 2022	15,626.91	95,366.97
July 2021	11,405.61	93,918.37
July 2020	18,197.95	105,843.35
July 2019	14,509.18	75,425.64

6.B.5.c. Clint Johannes Education Building

During the month of September, the building was rented 24 times, with 2 NRD events. Revenue for the month was \$1,460.

6.B.6. INFORMATION AND EDUCATION

6.B.6.a. Information

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

September's KTIC Radio ad and Wahoo Newspaper e-ad continued with the variance request applications, then switched after the 15th to promote the NRD's three recreation areas.

6.B.6.a.2. Analytics

Analytics

The LPNNRD Facebook/Twitter pages, and the website are the fastest and low-cost ways to get information out to the public. Tracking analytics are a way to see if people are seeing the information and what ways seem to be most effective. If you are on Facebook or Twitter, 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.

FACEBOOK	Total Reach	Engagements	Followers
September 1-26	2,893	104	1,408
August	17,232	387	1,408
July	8,613	214	1,388

TWITTER	Total impressions	Engagements	Followers
September 1-26	2,348	149	381
August	4,784	207	380
July	3601	158	377

Top Posts on Facebook and Twitter:

- Pictures from the Range Judging contest at Camp Moses Merrill
- Pictures and an article from the Highboy Cover Crop Interseeding Project (HiCCIP) demonstrations
- PATH program open at Wanahoo
- Drought monitor comparison to 2012

WEBSITE	Users	Traffic Channel	Top Pages	Devices
September 1-27	1,547	Organic 74.3% Direct 19.6% Referral 5.8% Social 0.3%	Lake Wanahoo Home Czechland Lake Outdoor Recreation Staff	Mobile 59.21% Desktop 38.98% Tablet 1.81%
August	2,270	Organic 66.6% Direct 24.6% Referral 7.6% Social 1.3%	Lake Wanahoo Home Czechland Lake Outdoor Recreation Downloads	Mobile 59.73% Desktop 37.77% Tablet 2.51%
July	1,844	Organic 70.8% Direct 20.6% Referral 7.5% Social 1.2%	Lake Wanahoo Home Czechland Lake Outdoor Recreation Homestead	Mobile 60.68% Desktop 37.36% Tablet 1.95%

Traffic channels: organic traffic means they use a search engine then choose an option that includes lpnrd.org, direct traffic means they type in lpnrd.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).

Social clicks: 5 from Facebook, 0 from Twitter.

Referral clicks: 16 from NARD, 10 from Visit Nebraska, 4 from ad on Wahoo Newspaper's site.

6.B.6.a.3. Long Range Plan

The Long Range Plan recent draft is attached. The final copy will be prepared for approval at the October Board Meeting.

6.B.6.b. Education

6.B.6.b.1. Past Events

- September 1st: **First Presbyterian Church group meeting.**
- September 6th: First **Survival Club** meeting with Wahoo Public Middle School. Opening it up to 6th & 7th was a great idea because no 8th graders came to the first meeting.
- September 7th: **District Greenhand Day** in Columbus. I talked about careers in natural resources and then I brought in native grasses and wildflowers for a prairie jeopardy game.
- September 8th: **Fremont Middle School Outdoor Day.** Over 200 students attended.
- September 12th: **St. Wenceslaus Pre-k** classroom visit. We talked about water and made another raindrop collage featuring pictures the students found in magazines that showed water being used or things that needed water. Picture attached. They also got to meet Elton.
- September 15th: I helped Papio NRD run a nature walk station for 3rd graders. Roughly 60 students.
- September 22nd: **Range Judging Contest.** It went really well--around 260 students competed.

6.B.6.b.2. Future events

- September 29th: Wachiska Prairie Day. I'll be helping out with an elementary educational day learning about prairie ecosystems.
- October 5th: **East Central Land Judging Contest.** As of right now, we have close to 260 students attending. Pits will be dug by the O&M crew on Monday the 3rd. For those that are volunteering, you'll be receiving an email soon with details of the event. We will be scoring the contest in the office the next day.
- Monday October 10th: Wahoo 3rd grade field trip at Lake Wanahoo.
- October 12th: Aquinas Catholic 8th grade classroom visit.
- October 13th: Coffee Lakeside.
- October 17th: Fremont Trinity Middle Schoolers at Lake Wanahoo.
- October 25-26th: I & E meeting.

6.B.7. RURAL WATER SYSTEMS

6.B.7.a. Colon System

On 9/12 the RWD was notified of a leak in the village of Colon. ME Collins repaired the leak.

The village has been upgrading the phone lines the past month which has required more line locations (19 total locates) and construction inspection as the new lines were bored. Routine monthly sampling completed, meters read and bills in the mail 9/30.

6.B.7.b. Bruno System

On 9/2 the RWD was notified of a leak at the Waste Connections landfill. The leak was caused by a failed gasket within the meter pit. The gasket was replaced by RWD staff. The RWD has been working with JEO and Black Hills Energy over the past month planning for gas line expansion that will cross/parallel our water line east of David City. Routine monthly sampling completed, meters read and bills in the mail 9/30

6.B.7.c. Other

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)

The deadline for applications was September 15. The NRD received 27 new applications and 10 carry-overs from 2021 for a total of 37 applications. Total acres were 2105.14 for a total consumption of 345.769 AF (acre feet) of groundwater. The NRD GW Rules and Regulations allows 200 AF of water per year for new irrigated acres.

The staff have attached the variance list. .

Committee and staff discussed the variances and the drought situation. Staff pointed out that the majority of the variances are in the better aquifers within the District.

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

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

6.C.2.a.4. Well Permit Program

6.C.2.a.4.A. Scott Sukstorf Well Permit Application

Scott Sukstorf has applied for a new well in the NE1/4 of S3-T16N-R7E, Saunders County, Todd Valley Subarea. He currently irrigates approximately 180 acres under two pivots off of well G-071465 and would like a second well for easier management of the system. If approved, the new well will irrigate 60 acres but will be tied together with the existing well in the event of well failure.

Attached is a map of the system.

6.C.2.a.4.B. Norman Kavan Jr Well Permit Application

Norman Kavan Jr has applied for a new well in the S 1/2 of S31-T16N-R8E, Saunders County, Todd Valley Subarea. They currently irrigate 178.3 acres under two pivots off of well G-052570 and would like a second well for easier management of the system. If approved, the new well will irrigate 40 acres but will be tied together with the existing well in the event of well failure.

Attached is a map of the system.

6.C.2.a.4.C. Supplemental Irrigation Well

Paul Thorson representing Todd Valley Farms (Kim and Wayne Thorson) is requesting a new irrigation well for NW SE S26-15N-8E. The property already has 71 certified irrigated acres from G-062082. Paul would like to keep the existing well to irrigate about 5 acres in the corner that the pivot does not reach. He would continue using an irrigation gun from the existing well. He does not plan on increasing irrigated acres and will be contacting the Village of Mead, as this falls within the Village Wellhead Protection Area.

Attachments.

6.C.2.a.4.D. Well Permits Approved

Wells Permits Approved: #

Landowner	Number of Wells	Number of New Irrigated Acres	Type of Well	County	Subarea

The total number of approved permits for 2022 is #

Location of Approved Well Permits for 2022: Correct as of #####

County	Irrigation - New	Irrigation - Replacement	Stock	Commercial	Municipal	Other	Total
Butler							
Colfax							
Dodge							
Boone							
Madison							
Platte							
Saunders							
Total							

6.C.2.a.5. Lower Platte Basin Modeling Project

The group of LPS, Papio, NeDNR and LPN met to discuss the progress. Attached is a

draft inter-local agreement for all agencies that Papio NRD has completed. If the WSF grant is approved for the modeling project in December, the project could start in January. The plan is to complete the model in the 2024-25 calendar year time frame.

An education component is planned for all parties to learn MODFlow. Each agency will identify staff to attend, so when the model is complete, the potential is to run some basic modeling efforts.

Legal Counsel reviewed, with changes from the group shown in the updated inter-local agreement (attached). NeDNR left 7.01.2 as is, where it reads "all decisions shall be made by unanimous consensus of the Collective Parties". NeDNR consensus is required on any decision they will disburse money for (contractor hiring and/or model creation/design decisions).

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

2022 is the twentieth year for this Phase 2 Area.

Year	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
2004	0 to 25 ppm	46.3% (44 of 95)	8.4% (8 of 95)	45.3% (43 of 95)	
2005	0 to 25 ppm	47% (44 of 94)	15% (14 of 94)	38% (36 of 94)	
2006	0 to 24 ppm	41% (29 of 71)	14% (10 of 71)	45% (32 of 71)	
2007	0 to 31 ppm	48% (48 of 100)	9% (9 of 100)	43% (43 of 100)	
2008	0 to 28 ppm	53.75% (43 of 80)	7.5% (6 of 80)	38.75% (31 of 80)	
2009	0 to 22 ppm	45.5% (41 of 90)	15.5% (14 of 90)	39% (35 of 90)	
2010	0 to 35.7 ppm	48.65% (54 of 111)	11.71% (13 of 111)	39.64% (44 of 111)	
2011	0 to 26.6 ppm	51% (56 of 110)	6% (7 of 110)	43% (47 of 110)	
2012	0 to 28.9 ppm	57% (61 of 107)	9% (10 of 107)	34% (36 of 107)	
2013	0 to 25.8 ppm	50% (53 of 107)	9% (10 of 107)	14% (44 of 107)	26%
2014	0 to 22.3 ppm	51% (55 of 108)	13% (14 of 108)	18% (39 of 108)	20%
2015	0 to 32.3 ppm	43% (31 of 72)	8% (6 of 72)	14% (35 of 72)	33%
2016	0 to 35.1 ppm	34% (25 of 74)	11% (8 of 74)	26% (41 of 74)	26%
2017	0 to 23.5 ppm	36% (27 of 74)	15% (11 of 74)	19% (36 of 74)	22%
2018	0 to 30.9 ppm	40% (25 of 63)	11% (7 of 63)	22% (31 of 63)	28%

2019	0 to 24.5 ppm	46% (22 of 48)	10% (5 of 48)	28% (21 of 48)	22%
2020	0 to 20.5 ppm	33.33% (20 of 60)	13.33% (8 of 60)	35% (21 of 60)	18.33% (11 of 60)
2021	0.12 to 27.7	40.6% (26 of 64)	15.6% (10 of 64)	25% (16 of 64)	18.8% (12 of 64)
2022	0.13 to 23.0	43.75% (28 of 64)	12.5% (8 of 64)	25.56% (17 of 64)	17.19% (11 of 64)

All sample results are in from LPN sampling kits.

6.C.2.a.7. Richland - Schuyler Phase 3 Area

2021 is the seventh 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.

The committee and staff discussed the nitrate results for this area. Committee asked staff what phase 4 would look like and how big an area? They asked staff to attach Phase 4 rules and a map of what area would be considered at the next GW Committee Meeting. It was pointed out that the results shown in the chart are from producer samples and to develop a management area, NRD staff would have to collect them. This will be a discussion item at the Water Retreat tentatively scheduled for November 30th for all Board members.

Year	Nitrate-nitrogen Range	Percent	Percent	Percent	Percent
		Nitrate-nitrogen 0 to 8.0 ppm	Nitrate-nitrogen 8.01 to 10.00 ppm	Nitrate-nitrogen 10.01 to 15 ppm	Nitrate-nitrogen greater than 15 ppm
2004	0 to 47 ppm	30% (42 of 139)	10% (14 of 139)	60% (83 of 139)	
2005	0 to 120 ppm	31.3% (74 of 236)	10.2% (24 of 236)	58.5% (138 of 236)	
2006	0 to 53 ppm	28% (50 of 181)	14% (26 of 181)	58% (105 of 181)	
2007	0 to 99 ppm	32% (75 of 231)	10% (22 of 231)	58% (134 of 227)	
2008	0 to 46 ppm	28% (53 of 190)	12% (23 of 190)	60% (114 of 190)	
2009	0 to 57 ppm	33% (72 of 216)	6% (13 of 216)	61% (131 of 216)	
2010	0 to 57.5 ppm	31% (70 of 229)	7% (15 of 229)	62% (142 of 229)	
2011	0 to 65.8 ppm	28% (67 of 241)	9% (21 of 241)	63% (153 of 241)	
2012	0 to 52.6 ppm	29% (70 of 241)	9% (21 of 241)	30% (150 of 241)	31%
2013	0 to 94.0 ppm	25% (63 of 252)	9% (23 of 252)	31% (166 of 252)	36%
2014	0 to 101.0 ppm	27% (68 of 251)	9% (22 of 251)	27% (161 of 251)	37%
2015	0 to 53.3 ppm	23% (55 of 238)	12% (29 of 238)	25% (154 of 238)	41%

2016	0 to 50.5 ppm	25% (58 of 228)	10% (22 of 228)	26% (148 of 228)	40%
2017	0 to 53.4 ppm	25% (60 of 238)	6% (14 of 238)	29% (164 of 238)	41%
2018	0 to 56.9 ppm	26.5% (50 of 189)	6.3% (12 of 189)	25% (127 of 189)	42%
2019	0 to 39.4 ppm	25% (53 of 209)	11% (22 of 209)	23% (134 of 209)	42%
2020	0 to 50.8 ppm	26% (69 of 261)	6% (15 of 261)	26% (66 of 257)	43% (110 of 257)
2021	0 to 43.0	25.5% (67 of 263)	8.4% (22 of 263)	24.3% (64 of 263)	41.8% (109 of 263)
2022	0 to 58.5	23.0% (57 of 248)	6.45% (16 of 248)	29.44% (73 of 248)	41.13% (102 of 248)

14 water samples for this area have been received in the past week; some of these are at the lab and some (this week) will be taken to the lab. Three sample kits are outstanding.

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

2022 results from state network wells

The nitrate range was from 0 - 18.7 ppm.

% Nitrate-nitrogen 0-8.0 ppm	% Nitrate nitrogen 8.01-10.0 ppm	% Nitrate nitrogen > 10 ppm
69% (36 of 52)	15% (8 of 52)	15% (8 of 52)

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
Randall E Nelson	Stock/Domestic (Unregistered)	\$819.20	Madison

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

wells have been plugged, reviewed, and ready for cost share payment approval this month.

Well Owner	Type of Well	Cost Share Estimate	County

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

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

Staff is planning a couple of meetings with producers to assist in submitting their reports online. The plan is for November 21 or 22 and December 14 or 15.

Attached is a letter to request the phase area data to update UNL dashboard on nitrogen efficiency. LPN had given data to this group prior to 2015 for analysis. In 2015, UNL lost funding and personnel to continue this process. They would like to obtain LPN data from 2016 - 2021 and then give a presentation to the Committee/Board this winter.

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

The first interlocal has expired and the group would like to extend the agreement. The group meets at least annually and virtually monthly during the summer, discussing drought situations.

Below is some information from the interlocal. No money is outlined in the agreement unless a specific project is brought forward. Each Board then would have to approve the project.

3.01 The Parties hereby create the Lower Platte River Consortium ("Consortium"). The Consortium shall be governed by the terms of this Agreement and the Drought Plan. The Consortium shall carry out the purposes as set forth in Section 5 of this Agreement. The Consortium shall be responsible for the administrative, technical, and financial affairs of the Consortium and the Drought Plan. The Consortium shall not be considered a joint entity separate and distinct from the respective Parties to this Agreement, but rather a collaborative working arrangement of the Parties.

4.01 The duration of this Agreement shall be for a period of one (1) year from the execution date of this Agreement by the last Party. This Agreement may be extended

for successive one (1) year terms by the mutual agreement of all Parties hereto. The Parties may only extend this Agreement for ten (10) additional terms.

6.01 The Consortium will be financed by the Parties as needed for certain projects or activities the Consortium decides to pursue. Some years the Consortium will not have a budget because projects will not be pursued in that fiscal year. In years when the Consortium decides to pursue projects or activities, an annual budget will be adopted as described in other portions of Section 6 of this Agreement. Proportions of payments by each Party will be determined at the time the annual budget is adopted.

6.C.3.b.3. Cover Crop Project Update

Attached are a few of the fields that cover crops were planted by a HiBoy in August and September. One producer will be installing soil moisture sensors over the winter to evaluate soil moisture uptake from cover crops.

Link below shows an excellent video that Lacey put together about the project. Copy the link into a web browser to view.

https://youtu.be/Zg_AqTAwAh0

6.C.3.b.4. Long Range Plan

Attached is draft 2 of the Long-Range Plan.

6.C.3.b.5. Soil Moisture Sensors

The graph attached shows a field using Field Climate Soil Moisture Sensors. Staff read the flow meter on this field and the producers put on 4.5722 acres-inches of water.

6.C.3.c. NEW MONITORING WELLS

Dvorak Well Drilling drilled the monitoring well on September 23. An invoice received on 10/4/2022 is attached for \$12,360, per quote approved at the October 2021 Board Meeting.

Motion is needed to pay the invoice.

6.C.4. SURFACE WATER PROGRAMS

6.C.4.a. STATE LAKES, FOR THE WEEK OF

Fremont Lake No 10 (SRA) is on the list for E-coli for the week of September 23. Go to the NDEE website for a complete list of lakes on the Health Alerts.

6.C.5. OTHER

GMDA Winter conference will be held January 23-26 at Simons Island, Georgia.

6.C.5.a. Land Applications

6.C.5.b. COMMENTS FROM THE PUBLIC

6.D. Projects Committee - Action as Required

6.D.1. UNFINISHED BUSINESS

6.D.2. SWCP

Elliott contacted NRCS field office inquiring about summer job status. NRCS reports that the Widman project will proceed as a grassed waterway only.

Current drought conditions are not allowing for adequate soil compaction in some cases and will continue as such until field conditions change. Fall construction will proceed on a field by field basis.

6.D.2.a. SWCP Application Approvals

6.D.2.b. SWCP Payments

6.D.2.c. SWCP Cancellations

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

6.D.3. WATERSHEDS

6.D.3.a. Shell Creek

6.D.3.a.1. Shell Creek Environmental Enhancement Plan Implementation

6.D.3.a.1.A. Shell Creek Grant Funding Update

Current 319 grant ends 9/30/2022. The final reimbursement, match, and report are in progress.

New NET grant was submitted on September 6th. Preliminary recommendations are typically out the end of January, with official decisions in April.

New 319 grant workplan and plan update is in progress.

6.D.3.a.1.B. Shell Creek Septic System Payment

STEVE BENDER: \$7,341.44

6.D.3.b. Wahoo Creek Watershed

6.D.3.b.1. Wahoo Creek Dam Site Planning Update & FYRA Invoices

We are still waiting for contract from DNR to proceed with JEDI funds. We are also still waiting for official signed Wahoo Creek Watershed Plan from NRCS National in DC.

6.D.3.b.2. Wahoo Creek Watershed Water Quality Plan Phase II

6.D.3.b.3. Olsson Design Update and Invoice

Olsson submitted two invoices for Wahoo Creek design:

Invoice # 433395 (Sites 55, 66, 77, 82, 84, 85, 86): \$14,093.33

Invoice #434493 (Sites 26AB, 27): \$44,188.81

Also attached is the current Progress Report:

- Sites 26AB, 27: 60% design completed and submitted to NRCS for review.
- Remaining 7 sites: Primarily geotechnical analysis
- Continuing the permitting process and mitigation discussions with ACOE

Staff has reached out to several landowners about potential mitigation projects with varied degrees of success. As a reminder, the whole project will require ~2.5 miles of stream mitigation as well as ~14 acres of wetland mitigation.

6.D.4. JOINT WATER MANAGEMENT ADVISORY BOARD

6.D.4.a. Breach Lake; Rod and Gun Levee Project

We received word back from the Northeast Economic District, they are not able to secure any funding to cover or offset the budget overrun for the Breach Lake (Rod and Gun Levee Project). Attached is a summary of the budget overrun with each entities invoice. The cost was split similar to the original agreement percentages

6.D.4.b. Rawhide WHPO

Sean & Ryan attended 9/19 Rawhide WFPO monthly meeting. Benefit Cost Ratio looks good with all alternatives factored in together. The next step is to factor them individually. At this point, the largest benefit is the proposed detention cell near Merlyn England and another near the airport. Cutoff ditch road improvements also look promising. JEO will contact NRCS to get their initial thoughts on costs and how to

proceed. A one year extension on the planning grant will also be requested. Next meeting is 10/17.

An NRCS site tour is also scheduled for 10/24. JEO is developing an agenda and coordinating the tour.

6.D.4.c. E. Fremont/Elkhorn Township Drainage Improvements

Eric, Sean, Ryan and Directors Pollard, Thompson, Olson, and Saeger attended a meeting on 9/22 with other senior officials. The project was summarized and discussed. The general consensus was to pursue the retention basin alternative along with investigating a partnership with the proposed Inland Port Authority and look into options and benefits for existing ditch cleanouts. The next scheduled meeting is October 3rd with NEMA/FEMA.

In the near future FEMA, as a requirement of their Advanced Assistance grant, will require that all local, partnering entities send a letter agreeing to account for the local 25% match. The current estimate for the NRD's share (based on equal 1/3 division among partners) is ~\$5 million. Further discussions between NRD, City of Fremont, and Dodge county will determine financial commitment portions.

6.D.5. HAZARD MITIGATION PLAN UPDATE

RFPs due 10/26/2022

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

6.D.7. Leshara Drainage Improvements

JEO provided an update regarding the Leshare Drainage project:

The project received CDBG funding that was released in July. It is divided into three primary efforts:

1. The project will study the drainage of the entire community and identify culvert and ditch sizes throughout
2. The project will include preliminary design of a Phase I designated area starting at the downstream areas, see the attached exhibit
3. The project will construct those designed areas from #2

The NRD approved the motion "To budget \$31,000 in FY 2022 and another \$31,000 in FY2023 to assist Lashara with their Drainage Improvement Project" at the 7/12/2021 Board Meeting. JEO was informed of the reimbursement process and requested to provide a brief update at an upcoming Committee Meeting.

6.D.8. NEBRASKA BUFFER STRIP PAYMENTS

Below are the current buffer strip contracts up for annual payment

Contract Holder	Acres	NDA #	Annual Payment
Janice Wilke Trust	2.98	99400a	\$190.16

Mary Theresa Norton Trust	8	20062	\$1,757.44
Mary Theresa Norton Trust	13.7	20062	\$3,009.62
Mary Theresa Norton Trust	11.2	20059	\$2,399.04
Tom Sprunk	2.1	16010	\$472.50
Mark Wilke	4.81	99400b	\$457.91
Ronald Anderson*	6.9		\$593.61
Ronald Anderson*	6		\$166.32
Charles Barjenbruch	9.5	100	\$2,033.00
Randall Brabec	1	22010	\$250.00
James Barjenbruch	8.2	362	\$1,661.98
Ed Luetkenhaus	4.5	10058	\$967.50
Larry Bruhn	4.7	21007	\$876.36
Tom Sprunk	2.1		\$472.50
Dean Klug Family Trust	6.3	99074a	\$232.72
Norman Lindgren	2.1	20027	\$83.16
Rod Julsen	23.1	451	\$5,197.50
Kaye Lidolph	7.8	20037	\$1,381.30
Rezac Farms Inc	4.7		\$1,057.50
Rezac Farms Inc	3.6		\$786.96
Rezac Farms Inc	1		\$218.60
Rezac Farms Inc	1.4		\$306.04
Rezac Farms Inc	1.7		\$371.62
Rezac Farms Inc	3.5		\$787.50
Dan Gehring	8.9	21020	\$2,148.46
Reece/Beau Klug	11.7	21024	\$2,632.50
David Luckey	12.7	21022	\$2,818.89
Diann Svatora	5.5	21023	\$1,327.70
Sam Welch	4.9	21025	\$1,050.32
River Road Land INC	13	00143a	\$3,250.00
Total	197.59		\$38,958.71
6.D.9. OTHER			

7. Additional Action Items

7.A. Shell Creek Septic System Upgrade Payment

Earleen Potmesil

\$4,370.08

A motion will be needed at Board Meeting

To approve and make payment of \$4,370.08 to Earleen Potmesil for a completed septic system upgrade

7.B. Supplemental Well Permit

Tony Birkel is requesting a well permit to drill a new supplemental well for the NW of the SE1/4 Section 29-16N-3E, Butler County. He will be converting 19 acres from a gravity irrigated field to sub-surface drip irrigation system. The well driller contacted Tony and said they would have time to drill in the upcoming week. Attached is the permit with a map.

A motion will be needed at Board Meeting

To approve a supplemental well permit for Tony Birkel - NW-SE1/4 Section 29-16N-3E, Butler County - converting 19 acres from a gravity irrigated field to sub-surface drip irrigation system.

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.