

Regular Board of Directors Meeting
Thursday, February 10, 2022 1:30 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. Report - Director Vacancy - At Large

4.B. Guest Comments

4.C. NRCS Report

4.D. NARD Report

4.E. NRC Report

4.F. Managers Report

4.G. Education Program

Matt Moser from USGS will be present to discuss the stream gages located on Shell Creek, Wahoo Creek and a dedicated GW monitoring well that USGS and LPN have partnered for numerous years

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.b. Reports

6.A.2.b.1. NARD Legislative Conference

The annual Legislative Conference was held in Lincoln January 25-26. Hilger can give an update. The minutes from the NARD Board Meeting and NARD Risk Pool Board Meeting are attached.

6.A.2.b.2. NRD/NARD Employee Intergovernmental Risk Management Pool

Attached find Mountford's report and fund summary reports.

6.A.3. MANAGEMENT ITEMS

6.A.3.a. Directors Absence

None

6.A.3.b. Monthly Education Program

Matt Moser from USGS will be present to discuss the stream gages located on Shell

Creek, Wahoo Creek and a dedicated GW monitoring well that USGS and LPN have partnered for numerous years. The cost for these sites is \$34,265 with LPN share \$17,635.

LPN has partnered with LPSNRD, Papio NRD, M.U.D, LWS and USGS for 6 years in collecting water quality information. The purpose of this site is outlined in the attachment "Leshara Quality Gage at Leshara" under bullet 2. This group is proposing an additional 3 years, with LPN shares as follows: Year 1 (FY23) - \$6,400; Year 2 (FY24) - \$5,320; Year 3 (FY25) - \$4,360

6.A.3.c. Director Vacancy - At-Large

The District has received 4 applications for the Director At-Large Vacancy position. A recommendation from the Executive Committee will be needed.

6.A.3.d. 2022 Election Certification

As a reminder, I have attached a list of directors that are up for reelection in 2022. Incumbants have until February 15 to file and non-incumbents have until March 1. Also, there is a list from the Secretary of State of candidates that have filed.

6.A.3.e. LB406 Update

As was announced last week, Lower Platte North's Wahoo Creek Watershed Project has been awarded \$22 million from the STARWARS Committee and the project will be included in the Governor's budget. Once the budget is approved, we will officially receive notice of award and can proceed with the funding. In the near future we will have multiple discussions regarding how we choose to move forward with the project as this new funding will allow us the potential of building all 10 sites in a much faster construction window.

6.A.3.f. Dodge County - Fremont Beef 2020 Tax Roll Correction

Information was received from the Dodge County Treasurer to inform us that a tax refund to Dodge County is needed. A tax roll correction was approved for Fremont Beef Company 2020 Tax. Dodge County is requesting \$662.42 from the Lower Platte North NRD. The simplest method is to deduct these funds from our next payment from Dodge County. (see attachment)

6.A.3.g. Director Retreat

Topics include

- Wanahoo Recreation Update
- Wahoo Creek - LB406 Funding
- Information and Education Update
- Building RFQ
- Flow Meter Update

6.A.3.h. Building RFQ Update

RFQ's have been sent out to 15 architecture firms and we have heard back from several already with questions and project clarifications. I am expecting a good response by the closing deadline of February 11th.

6.A.4. EQUIPMENT

6.A.5. PERSONNEL

6.A.5.a. Water Resources Technician

We received 9 applications and interviewed 4 candidates for the Water Resources Technician Position. Noah Franzen a former summer intern, has accepted the position. He will work as a part-time employee as his schedule will allow (approx. 30 hrs/week) until he graduates in May. Once he graduates he will begin his full time employment with full benefits.

6.A.5.b. Assistant Manager

Upon closing of the application period we have 10 individuals who have submitted resumes applying for our Assistant Manager position. Discussion is now need on how we will proceed with interviews.

The Sub-Committee will meet on Tuesday, February 8th at 5:00 p.m. to review and setup interview dates.

6.A.6. FINANCE

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

Grant will be available to review the December Financial Statements.

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

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

6.B. Operations Committee - Action as Required

6.B.1. UNFINISHED BUSINESS

There is no unfinished business to consider.

6.B.2. WILD NE AND OTHER PROGRAMS

The tree removal contractor continues to work on the Wanahoo area. Staff met with Biologist Scott Luedtke on Feb. 2 to discuss and update future O & M plans on the Wanahoo wildlife areas. We discussed prescribed burning, haying, and the PATH Program (Youth Mentor Hunting).

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

The O & M staff have continued to remove trees at the Homestead & Czechland areas. Perform maintenance on equipment and vehicles.

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

The de-watering wells are working very good. The groundwater is down below the piezometer level. The groundwater is estimated to be down 18-19' or greater. Valley is working on building causeways for working in the basin bottom and establishing the same GPS coordinates with their equipment and FYRA's survey equipment. They will be installing the filter materials by the end of the week.

Change Order #2 is attached.

RFQ's were sent to 16 Engineering Consulting Firms for the Basin Apron Floor repair. A site showing is Friday, February 4 at 10:00 a.m. and proposals are due by Friday, February 18 at Noon. They will be forwarded to directors for review and discussion at the Directors Retreat.

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

The easements for the six lots at Thomas Lakes will be filed with the Deeds Office before the Board meeting. Heimann will then have a Title Company do a title search. The Saunders County Surveyor has agreed to do a stake search/survey for each lot. We can then determine if we will sell them to a political subdivision or go to auction.

6.B.3.c. Wanahoo Relief Well Reconditioning

A site showing was held on Thursday, January 20 with three Well Drilling Companies attending. Another has inquired by phone. Bids are due by 4:00 pm on March 1, 2022.

6.B.3.d. Wanahoo Auxiliary Spillway RCC Crack Repair

Heimann sent a request for bids to Concrete Repair Specialist. Four contractors were shown the spillway steps and the cracks to be filled. Bids are due by 4:00 pm on Tuesday, March 1, 2022

6.B.3.e. No Till Grass Drill Revenue

The District received revenue from Rosendahl Farms of \$1,049.19 and \$1,036.20 from Rezac Seed with each having 11 cooperators use the drills.

This rental period is from July - December.

6.B.4. ROCK AND JETTY

We have not received any new inquiries or applications.

6.B.5. LAKE WANAHOO

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

For the month of January, the District received \$12,837.50 in annual park permit revenue. The year by year breakdown for annual permits sold during the month of January is listed below.

Month	Monthly Total	YTD Total
January 2022	12,837.50	17,882.50
January 2021	12,277.50	17,002.50
January 2020	11,645.00	16,115.00
January 2019	10,372.50	14,957.50

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

For the month of January, the District received \$4,019.50 in camping revenue. For the 2022 camping season (December 1st, 2021 to January 31st, 2022), the District has received a total of \$5,778.73.

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

During the month of January, the building was rented 15 times, with 2 NRD events. Revenue for the month was \$1,000.

6.B.6. INFORMATION AND EDUCATION

6.B.6.a. Information

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

January's KTIC Radio ad featured the upcoming Nitrogen and Water Management Workshop held February 1st in Schuyler. The Wahoo Newspaper e-ad is for Nitrogen certification class lists, visit our website for full details.

6.B.6.a.2. Analytics

FACEBOOK	Total Reach	Engagements	Followers
January	31,463	2,550	1,325
December	2,159	95	1,299
November	2,235	30	1,298

TWITTER	Total impressions	Engagements	Followers
January	5,527	333	353

December	2,024	114	348
November	3,008	78	345

Top Posts on Facebook and Twitter:

- Ice jam/flood monitoring cameras are now available with USGS and partnership with Papio-Missouri NRD, Dodge County and City of Fremont (over 16,000 on Facebook, over 1,000 on Twitter saw, liked, commented or shared the post)
- The Schuyler Nitrogen and Water Management Workshop held February 1
- Bees and Brews event flyer
- Assistant Manager vacancy
- Director at Large vacancy

WEBSITE	Users	Traffic Channel	Top Pages	Devices
January	1,598	Organic 57% Direct 27.1% Referral 13.1% Social 2.9%	Home Lake Wanahoo Downloads Forestry Staff	Desktop 55.63% Mobile 41.30% Tablet 3.07%
December	954	Organic 53% Direct 33% Referral 10.7% Social 3.3%	Home Lake Wanahoo Downloads Staff Contact	Desktop 59.75% Mobile 38.36% Tablet 1.89%
November	809	Organic 52.1% Direct 33.7% Referral 10.4% Social 3.7%	Home Lake Wanahoo Czechland Lake Downloads Forestry	Desktop 50.31% Mobile 46.35% Tablet 3.34%

58 clicks from Game and Parks website.

56 from NARD's website.

14 clicks from our ad on Wahoo-Ashland-Waverly newspaper website.

39 clicks from Facebook to our website and 9 clicks from Twitter to our website.

6.B.6.a.3. News Channel Nebraska Advertising

The :60 I & E video is running on News Channel Nebraska through January and will continue through February.

6.B.6.b. Education

6.B.6.b.1. January Events

- January 6th: Coffee, Lakeside: hibernation.
- January 19th: Bees & Brews
 - Close to 65 people attended this event!

- January 20th: St. Wenceslaus Pre-K meeting: Ice Fishing
- January 24th: I & E meeting in Lincoln.
- January 26th: Career Fair at Newman Grove High School
- January 27th: Wahoo Middle School Survival Club

Attended 2 different educational workshops & conferences this month.

6.B.6.b.2. February Events

- February 2nd: Test your well night prep @ East Butler.
- February 8th: Lions club education update.
- February 9th: Test your well night and career Fair @ East Butler.
- February 10th: Coffee, Lakeside: Migration.
- St. Wenceslaus Pre K; survival club; and more classroom visits TBD during this month.

6.B.7. RURAL WATER SYSTEMS

The RWD will be following the legislature's progress is allocating American Rescue Plan Act (ARPA) funds as there will be funds earmarked for rural infrastructure. LB1014e currently up for debate has \$60 million (\$30 million over 2 fiscal year allotments) allocated to NDEE under the Drinking Water Facilities Loan Fund.

The RWD has been working with NDEE to rollover pertinent documentation from DHHS format.

RWD completed the requisite paperwork to qualify for DHHS Low Income Household Water Assistance Program. The program is to launch the first week of March. Under this program any approved household (currently behind payment more than 2 months) will qualify to have their accounts paid up to date with a direct payment to the utility.

6.B.7.a. Colon System

The Village Board voted to increase the sewer rate by \$3.00 for the effective April billing period. The RWD will include a notice in this month's bill.

Routine sampling completed, meters read and bills mailed 2/1.

6.B.7.b. Bruno System

Routine sampling completed, meters read and bills mailed 2/1.

6.B.7.c. Other

6.C. Water Committee - Action as Required

6.C.1. UNFINISHED BUSINESS

6.C.2. USGS STREAM FLOW GAUGING SITES

Matt Moser from USGS presented to the Committee on the Leahara water quality gage and streamgages located on Shell Creek, Wahoo Creek, along with a dedicated GW monitoring well. Matt will be at the Board Meeting on February 10th to update the full Board.

The USGS and LPN have partnered for numerous years on streamgages and GW monitoring well. The cost for these sites is \$34,265 with LPN share \$17,635.

LPN has partnered with LPSNRD, Papio NRD, M.U.D, LWS and USGS for 6 years in collecting water quality information. The purpose of this site is outlined in the attachment "Leshara Quality Gage at Leshara" under bullet 2. This group is proposing an additional 3 years, with LPN shares as follows: Year 1 (FY23) - \$6,400; Year 2 (FY24) - \$5,320; Year 3 (FY25) - \$4,360

6.C.3. REGULATORY

6.C.3.a. GROUND WATER MANAGEMENT AREA

6.C.3.a.1. Well Permit Program

6.C.3.a.1.A. Duane Johnson Well Permit Application

Duane Johnson has submitted an application to drill a new well in the NW1/4 S14-T15N-R8E, Saunders County. This well will irrigate ~55 certified irrigated acres that are currently serviced from well G-004921, located in the SW1/4 of the same section. Attached is a map of the section and the surrounding area, as well as AEM profiles flown through the section.

Committee and staff discussed that the second well potentially could make Duane more efficient, as the original well would not run 7 days a week. It was suggested that a test hole be drilled as the AEM flight results show where aquifer bearing material could be limited.

Also added is a Geo-physical E-log for a well being proposed by Duane Johnson south of Ithaca.

The e-log was discussed and the concern that when pumping occurs, would salt begin to expand into the aquifer? Duane plans on installing a monitoring well to collect water samples.

6.C.3.a.1.B. Lyle Alswager Well Permit Application

Lyle Alswager has submitted an application to drill a new irrigation well in the SE1/4 NE1/4 S1-T18N-R1W, Platte County, SQS #2. The well will irrigate 121 certified irrigated acres that are currently serviced from well G-073135 located in

the NW1/4 of the same section. Attached are two AEM profiles that were flown over the proposed well location, as well as a three-dimensional view of SQS #2.

Well G-073135 is irrigating 2 pivots on 244 acres and has used 7.45 inches/acre over the last 2 years. Committee and staff discussed the efficiency side of 1 well, handling 2 pivots and trying to get over all of the acres in a 1 week's time. The committee reviewed the amount of water used over the last 2 years and commented on the producer's efficiency. The AEM flights show that this area has a better aquifer than other parts of the SQS #2 area. The committee wanted to make sure no increase in acres would occur and allow this because of family estate planning.

6.C.3.a.1.C. 2021 Approved Well Permit Summary

Location of Approved Well Permits for 2021

County	Irrigation - New	Irrigation - Replacement	Stock	Commercial	Municipal	Other	Total
Butler	0	3	0	0	0	0	3
Colfax	2	5	0	0	0	0	7
Dodge	2	4	0	0	0	0	6
Boone	1	0	0	0	0	0	1
Madison	0	1	0	0	0	0	1
Platte	2	2	0	0	0	1	5
Saunders	1	4	0	0	1	0	6
Total	8	19	0	0	1	1	29

6.C.3.a.2. CERTIFIED IRRIGATED ACRES TRANSFER POLICY

Staff has attached a draft policy for discussion. (Updated Number 5 from Committee Meeting). The last 3 pages are the application forms.

6.C.3.a.3. Variance Scoring Sheet

The staff is working on a draft for review.

Committee and staff discussed the logistics of adding best management practices into the scoring system. The issue is enforcement of the variance conditions in future years. Staff will continue to evaluate the point systems on new wells and expansion of acres.

6.C.3.a.4. LPNNRD Operator Certification

Upcoming Classes

Feb 3 - Wahoo at 10 am

Feb 7 - Lindsay at 1 pm
Feb 15 - David City at 9:30 am
Feb 24 - Columbus at 10 am

6.C.3.a.5. Lower Platte River Basin Water Management Plan Coalition (LPRBC)

John Engel from HDR made a presentation to the Board in January. Attached are the recommended numbers for the next 5 years.

The proposal that is presently being discussed is a 25-year analysis, which would allow LPN 2,759 for the next 5 years. The previous allotment was 2,276, which the LPN will carry over 982 AF from the previous 5 years. That will allow 3,941 new AF+Carryover from 2022 thru 2026.

The Coalition Board, of which Bob Hilger is LPN representative, will be meeting in April.

Committee discussed municipal and industrial use and how it is reported to the Coalition. They also discussed whether the District is too conservative about the amount of allotment allowed per year. At the present time, the District allows 200 Acre Feet of new water use for irrigated acres.

6.C.3.a.6. Flow Meter Program

The staff has been receiving calls from producers on meters that don't consistently work. Two meters that have been a problem are GrowSmart and Senninger. The staff plans on presenting a new approved meter list at the March Committee Meeting.

Another issue is timely water use reports. Would the Committee consider that after 45 days from the reporting deadline, staff would read the producer's meter but charge them \$50?

As of today (2/1/2022), the district has recorded 1,149 meter readings. Out of the 1,149 meter readings recorded, 1,023 are irrigation wells. There are around 40 irrigation meter readings that have not been recorded yet. The deadline for reporting meter readings is December 15th. Out of the 1,149 meter readings that have been recorded, 247 came in from December 16th-30th and around 260 were reported after January 1st. So just over half are reporting by the deadline. Should we look into a better way of contacting the producers for this information, such as text alerts? Just looking to improve our communication with producers and patrons of our district. Any discussion?

Attached is the invoice for \$12,980.00 from Tri City for performing their routine maintenance on the flow meters within Zone 2 of the LPNNRD District. 213 flow meters were maintained in late November-early December. Out of the 213 meters maintained, 211 of those were mechanical meters and two others were electronic meters. The battery changes are also included on the invoice, which in turn gets billed

to the producer for those battery changes for reimbursement to the LPNNRD. There were 5-10 that needed repair beyond the regular maintenance. The extra meter repair billings is handled directly between the producer and Tri City if they so choose to have them do the repairs. The producers with the extra repairs have all been contacted and are allowing Tri City to do the repairs. Tri city also has their contact information.

6.C.4. GROUND WATER PROGRAMS

6.C.4.a. DECOMMISSIONED WELL PROGRAM

6.C.4.a.1. Well Estimates

of Wells that have applied for cost-share and have received an estimate within the last 3 months that are awaiting to be decommissioned.

Well Owner	Type of Well	Cost Share Estimate	County
Martin Ernst	Stock	\$449.90	Colfax
Nicholas Schmit	Irrigation	\$1,000.00	Butler
Nicholas Schmit	Irrigation	\$1,000.00	Butler
Dwaine Schmit Trust	Irrigation	\$1,000.00	Butler
Mark Treptow	Irrigation	\$892.50	Saunders
Walter Bohaty	Irrigation	\$1,000.00	Butler
Gillwell Foundation	Domestic	\$744.75	Saunders
Jason Lutjens	Irrigation	\$1,000.00	Platte

6.C.4.a.2. Plugged Wells

Two (2) wells have been plugged, reviewed, and ready for cost share payment approval this month.

Well Owner	Type of Well	Cost Share Estimate	County
Justin Krafka	Irrigation	\$1,000.00	Butler
Kerry Knuth	Stock	\$968.18	Saunders

6.C.4.b. LOWER PLATTE NORTH NRD GROUND WATER STUDIES

6.C.4.b.1. Phase Area Update

A producer within the Schulyer-Richard Nitrogen Management Area was wondering about cost-share on iron chlorosis chemistry on soybean for 120 acres of soybeans. At the present time, the NRD still has \$3,000 left on the NET grant for demonstration fields. Is this an item that the NRD wants to cost-share in the future? Other items that should be considered for future cost-share?

Committee discussed that if this practice encourages corn-soybean crop rotation, it will decrease the amount of nitrogen fertilizer applied. The area around Richland-Schulyer is a challenge for growing soybeans because of higher ph and iron levels. They asked staff to work with the producer to set up a demonstration field for this product.

If the NRD is interested in working with the NRCS, the RCPP grant deadline is coming up on April 13. A survey that was conducted by staff at the online meetings is attached.

Staff went over the survey from meetings held in November and December. They directed staff to investigate an RCPP grant with NRCS with the practices identified in the survey.

Attached is a study conducted by Lower Loup NRD on age dating the water, which can assist in nitrogen loading and management. LLNRD has asked if LPN is interested in doing a similar study from Columbus to Fremont. USGS is obtaining a price for this study and then the NRDs could jointly apply for a grant.

6.C.4.b.2. Eastern Nebraska Water Resources Assessment (ENWRA)

ENRWA long range plans are shown below along with an attachment of area of interest for recharge projects. ENWRA agreement ends in June and wanting to extend this for another 5 years. Katie Cameron will be at the March 1st Water Committee Meeting.

Long Range Plan related: We have mapped like \$10 Million of priority areas with AEM projects for the ENWRA area using ENWRA as a vehicle for grants and cooperation while spending in an efficient manner because of good planning and pooling funds and resources (CSD/USGS/DNR partners) so a high quality framework is mostly built now (not just AEM but all existing studies are part of the framework, there are some remaining infills still needed in places too - reference Word doc of LPN related Dropbox folder links attached too). , the

water budget would be the next goal to focus on but regional water budget very long term but maybe we can use ENWRA to get at complexities encountered by the current model work and/or help build NRD scale water budget components (water budget pilot areas to identify for each NRD? To see how DNR LPMT model and/or your geologic models did with incorporating the AEM). Here is what we had from the last Long Range Plan update meeting in Dec. 2019 (dated Mar 2020):

- Map Isolated/limited quantity aquifers (all NRDs)
- ~~Fremont to Arlington~~ - this one covered in the current grant
- ~~Map Upper Shell Creek Subarea~~. We got rid of this one at the 2019 meeting.
- Advance geologic test holes, maintain and add monitoring wells (\$9150 back to each NRD on 2-3 yr cycle for these and other hydrogeo assessment work) - do you have more areas in mind, you are scheduled for FY23
- Continuing Sponsorship of the Nebraska GeoCloud - covered by ENWRA, consultants have been using it, NRDs have projects in Nebraska viewer, new visual tools created for the public
- Map recharge areas add recharge stations - the current grant is the first step toward this component. It is important for models, maybe use ENWRA for new aquifer test grants and possibly put new ground truthing stations in
- Eval HCAs - update CSD datasets; work with DNR to get the Lower Platte Missouri River Tribs model (LPMT) updated with AEM and NGC frameworks - CSD data is always in progress, even more critical to have more done when new maps come out
- Map saline groundwater - map salt spring & stream reaches and the salt/fresh (Maha) boundary in the Dakota formation using a variety of methods. It would be important maybe we pick a year for LPSNRD/LPNNRD to get a GIS salt surface (2D grid) I could make a rough example map for discussion.
- Alluvial AQ- identifying gaining/losing reach, streambed characteristics, potential cross aquifer connections - is always needed. Maybe take a known area you have done assessment work in and put an example of future ENWRA project ideas together.
- Water budget
- Groundwater Quality concerns
- Website development to promote further scientific uses of the data and benefits to water managers - our website will need revamping in the next 5 year cycle, maybe with better link-ups with Nebraska GeoCloud and more tutorials. What about new products from the geologic model? Keep tabs on new technology or applications

6.C.4.b.3. GMDA Winter Conference 2022

Attached is a report from the conference.

6.C.5. OTHER

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

6.D. Projects Committee - Action as Required

6.D.1. UNFINISHED BUSINESS

None

6.D.2. SWCP

Attached is the current SWCP policy for review. We will plan to approve the 2022 SWCP policy, with any changes, at our March Board meeting.

Also attached is the current 2022 DNR Conservation Practice Payment Schedule. Under our SWCP policy we need to have an approved cost docket, historically we have used the DNR table as that is what NRCS follows. The plan will be to approve the cost docket at the same time as the SWCP policy.

6.D.2.a. SWCP Application Approvals

None

6.D.2.b. SWCP Payments

None

6.D.2.c. SWCP Cancellations

None

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

None

6.D.3. WATERSHEDS

6.D.3.a. Shell Creek

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

Completion of the Shell Creek South Channel Improvement/Benching Project is underway and expected to be completed in February. Bill Bos is working on various landowner projects that will be completed by June 30, 2022. Colfax County is also working on a potential stabilization project on a tributary to Shell Creek on road "J", between roads 1 and 2.

JEO continues to work with NDEE on finishing the Shell Creek Watershed Water Quality Plan soon. The final invoice from JEO will be submitted upon completion of the contract.

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

Our most recent approved grant funding we have been working with for Shell Creek Watershed projects, combined \$591,000 of EPA 319 funds and \$114,688 from the Nebraska Environmental Trust. We presently have \$277,466 of 319 grant funds available for Shell Creek Watershed Projects to be used by June 30, 2022. An additional \$176,364.16 local match is required if all available 319 funds are used. All NET funds have been used.

Looking ahead, it is estimated that \$205,000 will be needed for completing the South Shell Creek Channel Improvement/Benching Project, which should be completed in February. In addition, Colfax County is working on a new channel stabilization project proposal and Bill Bos continues to line up landowner land treatment and septic system projects. LPNNRD has budgeted approximately \$100,000 of our local funds to supplement the required 40% match as needed.

6.D.3.a.1.B. Tom Sprunk Bank Stabilization/Project

Tom Sprunk is working with NRCS on another possible Bank Stabilization along Shell Creek. NRCS is evaluating wetland designations at the site. It is unknown if and when this project will come forward for assistance, but if so, it will likely be in the next grant cycle (after July 1, 2022) for consideration. Attached are recent photos of Tom's previous bank stabilization/wetlands projects completed in 2021.

6.D.3.a.2. Shell Creek Septic System Upgrade Applications

CRAIG NELSON **\$4,800.00**

6.D.3.a.3. Shell Creek Septic System Upgrade Payment

MARK ETLING **\$6,964.85**

6.D.3.b. Wahoo Creek Watershed

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

As reported last month, LPNNRD and NRCS have posted the 30 day public review period for the Wahoo Creek Watershed Plan which formally ended January 23, 2020. After comments are considered, we anticipate NRCS approval of the plan in early 2022. To date, they have received only one agency letter from the Nebraska Games & Parks Commission suggesting that the reservoirs are constructed with permanent pools for future fish habitat.

NRCS has placed the final draft of the Wahoo Creek Watershed Plan on NRCS's website: <https://www.nrcs.usda.gov/wps/portal/nrcs/detail/ne/technical/engineering/?cid=nrcseprd1492259>

6.D.3.b.2. Olsson Design Update and Invoice - Andrew Philips @ 8:00 a.m.

Andrew Phillips, Olsson, was present to update the Committee on Geo-technical activities at Wahoo Creek dam sites 77, 84, 55, 85, 66, 82 & 86. Geotechnical soil sampling has been going well on the remaining seven of ten dams (Geotech was completed on Sites 26a., 26b. & 27 two years ago) and all this work should be completed this month. Andrew said that they are now ready to move forward with final design and permitting on Dam sites 26a., 26b. and 27, once given the notice to proceed. Attached is Olsson's January 13, 2022, \$63,244.43 Invoice and progress report. After this payment, \$1,648,087.61 will remain on our \$1,999,978 contract. NRCS will reimburse LPNNRD for this expense.

Andrew Phillips reviewed his analysis (attached) of our contract with Olsson for services on the Wahoo Creek flood reduction dams. Since we placed Olsson "on hold" for 2 ½ - 3 years to complete most of this work (waiting for NRCS to approve the watershed plan). As indicated, the delay has increased costs, but this is offset by the removal of Dam Site 83. Andrew mentioned that updating the present contract should wait until we have better knowledge of how the \$22 million of "StarWars" funding will come forward and how we can accelerate the project schedule. Also attached is our original contract approved November 14, 2018.

Andrew reviewed a preliminary schedule for moving forward with the 10 dam schedule through 2026, as attached. Also attached is Mountford's scenario showing completing the dams over the next six fiscal years.

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

6.D.3.b.4. Wahoo Creek Septic System Upgrade Payment

RON SABATKA

\$4,881.00

6.D.4. JOINT WATER MANAGEMENT ADVISORY BOARD

6.D.4.a. North Bend Drainage District Project Assessment

On January 20, Mountford participated in a meeting at NEMA regarding FYRA's modeling and cost/ benefit analysis of the North Bend Drainage District Project (NBDD). Also participating were representatives from NDNR, Dodge County and North Bend. The modeling analysis has been looking at justifying improvements to the four mile drainage ditch that could be impacted by potential floodwater from Rawhide Creek, overflow from Shell Creek and the Platte River. It is FYRA's opinion that the project scope should be expanded to investigate improvements to the North Bend Levee from the drainage ditch to HW 79 to obtain a positive cost/benefit outcome. FEMA/NEMA .

6.D.4.b. Platte River Cameras/Gauges Project Update

USGS has placed four Platte River cameras that are functioning on HWs 64, 77, 79 and 15. There are also two additional gauges placed on HW 77 and 15 bridges as well. USGS has been working with the Loup Power Canal to place a final camera on their property which is scheduled to be up and running the week of January 24th. The USGS link for viewing the cameras/gauges is <https://apps.usgs.gov/hivis/> .

Attached is USGS's \$14,700 invoice for their work under our agreement. This expense will be shared by PMRNRD, Dodge County and Fremont. There is some renewed hope to use FEMA grant funding for this project. A partner Zoom meeting is being scheduled for February 7th to discuss this topic. If successful, we would replace our existing agreement with USGS with two separate agreements to hopefully allow use of FEMA assistance.

6.D.4.c. Rawhide Creek WFPO Watershed Plan-EA

On January 31st, Elliott and Mountford participated in the Rawhide Creek WFPO meeting to discuss the status of Hydrology/ Hydraulic models that will be used (Agenda Attached). The models will not only need to focus on Rawhide Creek floodwater flows, but also the influence of the Platte River and Shell Creek flooding. The next scheduled meeting is at the Dodge County Emergency Managers Office at 1:00 p.m, February 21, 2022.

6.D.5. EROSION AND SEDIMENT RULES AND REGULATIONS

No new updates.

6.D.6. NARD Legislative Conference Report

Elliott reviewed his report on the NARD Legislative Conference as attached.

6.D.7. OTHER

6.D.7.a. NRD/NRCS Local Work Group Meeting

We are working with NRCS to schedule the annual Local Work Group Meeting to give input on priorities for allocating federal program funds for various conservation practices. The meeting will be held in February or March at the Lake Wanahoo Education Building. Once the meeting date is finalized, we will notify board members.

7. Additional Action Items

7.A. Shell Creek Septic System Upgrade Application

Steven Bender - \$6,000

At motion will be needed at Board Meeting - To approve a Shell Creek Septic System Upgrade application for Steven Bender - \$6,000

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.