

Minutes
ENWRA Spring Meeting
Tuesday, April 18, 2017 1:30-3:30 pm
Lower Platte North NRD
Wahoo, NE

Attendees (21):

Ginny McGuire (USGS), Chris Hobza (USGS), Amanda Flynn (USGS), Dustin Wilcox (NARD), John Miyoshi (LPNNRD), Dan Schulz (LPSNRD), Daryl Andersen (LPNNRD), Dick Ehrman (LPSNRD), Mike Sousek (LENRD), Tom Mountford (LPNNRD), Jesse Bradley (NeDNR), Dave Miesbach (NDEQ), Brian Bruckner (LENRD), Annette Sudbeck (LCNRD), Miles Lammers (LCNRD), Bob Hilske (NNRD), Chuck Wingert (NNRD), Paul Woodward (PMRNRD), Jesse Korus (UN-L CSD), Josh Schnitzler (LENRD), Jim Cannia (AGF) AEM discussions, Katie Cameron (Coordinator)

January Meeting Follow-ups:

Water Sustainability Fund (WSF) Projects: annual reports sent to Kent Zimmerman by 3/31/17

USGS JFA signed for \$20k recharge project work

Nebraska GeoCloud (NGC) Interlocal in place [UPDATE: all related NGC agreements are in place]

ENWRA interlocal [UPDATE: LPSNRD signed]: need all 6 NRDs signed by end of May 2017

Current Project Review:

Test Holes: 3 more NRDs left for CSD THs along AEM lines (some NRDs are doing more on their own). The Group decided to put ~\$18,300 in the annual routine ENWRA budget for test holes.

WSF 4125 - Secondary Bedrock Aquifer Sampling: ~26 wells were sampled, some of the age-dating results are partially in and we reviewed results (primarily Dakota, limestone in the southern areas) indicating the % of modern water across the areas sampled (recharged since 1950: <10%, 10-50%, 50-75%, >75%). Will start work on interpretative report this summer.

WSF 4164 - Nebraska GeoCloud: Jesse Korus recapped the February Webinar, CSD/USGS/ENWRA have been working on contracting and getting IGIS scope defined, August workshop/roundtables planned. Show of hands indicated equal amount technical user and administrative user interest in attendance – discussed potentially Grand Island as the location since they are set-up for and host GIS workshops and pretty central for NRDs in the interlocal.

USGS JFA Recharge Project - Preliminary results: Chris Hobza went over John Nimmo's initial runs of the NRD transducer data. ~ 220 transducer datasets, ~24 were culled out where episodic signals could be observed without pumping or surface water interference. Two examples near Firth and two near Valley were presented: example tables with reference recharge rates in comparison with ENWRA's previous recharge numbers from John Gates' work. Good questions/discussion by the group, USGS will work on tables/reporting to incorporate wells with meaningful signals and then try to put together what we learned, where data gaps are, what works for what settings and, and frame up a potential next phase. Need input from NRDs on priority areas - stations are \$30k plus misc. install/sampling, includes \$15k weather station and \$15 new recharge equipment. [UPDATE: will shoot for May 2017 web call on results, next step planning – added placeholder in ENWRA FY18 budget]

ENWRA Financials:

Reviewed Last Spring Fiscal Year (FY) 2017 planned VS spent budget tables and FY18 and FY19 budget tables. [UPDATE: an updated FY18 table that will be going through LPSNRD board April 17th on ENWRA behalf was circulated to technical committee – included recharge/weather station placeholder and minor updates].

2016 Airborne Electromagnetic (AEM) Flights and AEM Future Planning:

Report schedules 2016 surveys: Bazile – Delivered 1/10/17, P-MRNRD – Delivered 3/1/17, LLNRD – Delivered 4/10/17, LENRD – Next 5/22/17, LCNRD – 6/15/17, LPNNRD – 8/30/17, LPSNRD – 11/15/17

Future AEM Planning: Reviewed areas that each NRD would like to fly. LCNRD, LENRD, LPSNRD applied for WSF last year and budgeted match funds but did not get funded, discussed funding/budgeting and potential flight plans. [UPDATE: working through scenarios based on NRD specific budgeting & planning for next few FYs]

WSF and Nebraska Environmental Trust (NET) applications: Group plans to coordinate through the budgeting process prior to grant submittals.

Upcoming Meetings, Partner Agency Updates:Upcoming Meetings:

- Nebraska GeoCloud August Workshops/Roundtable
- Next Recharge Project Update – May 2017
- AGF presentations to the NRD boards (2 official visits per AEM contract) Papio was April 13th
- ENWRA presentations to the NRD Boards in calendar 2017 Papio is May 9th , LPNNRD in Sept or Oct

NeDNR: Dan asked about Missouri River Tributaries model. Contractor is finishing Northern model using 2005 CSD datasets. A future effort will be to better refine, subdelineate and do water budgets. Parallel plans to pilot test LENRD areas with more dense spacing of AEM, but there are budgeting issues with timeframes and how to use more refined datasets - it depends on funding.

ENWRA test holes: LCNRD & LENRD planned for May 2018, LPSNRD FY19 (calendar summer 2018). The group decided to add test holes with ENWRA funds to the routine budget (\$18,300 – ~2 NRDs/year at \$9,150 each)

Upcoming Spring Pilot Study Sampling: June 2017 for Oakland, Ashland, Firth

ENWRA Website Updates:

New Partner Project Tab: Bazile data will be posted, could post other NRD non-ENWRA AEM or other related project data [UPDATE- Bazile report is online]. Also converted to linking to ENWRA Dropbox. Weather Station, Sampling and Transducer Data available from ENWRA website linked to Dropbox.

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