

WSF 2017 Annual Report # 4144

PROJECT: Lower Loup NRD Aquifer Framework Mapping –WSF
Application #4144 (awarded April 2016)

DATE: APRIL 1, 2017
(FIRST ANNUAL REPORT DUE ON
OR BEFORE APRIL 1, 2017)

See Application 4144 Section D #2 For Project Scope Summary and Timeline

PROJECT PROGRESS APRIL 2016 TO APRIL 2017:

- The LLNRD Airborne Electromagnetic Survey (AEM) flights were flown between July 14, 2016 and August 18, 2016. Aqua-geo Frameworks LLC (AGF) conducted the AEM flights (approximately 679 linear miles) and associated preliminary quality control data inversions on behalf of LLNRD in accordance with their subcontractor agreement dated May 25, 2016. Flight line refinement activities were conducted in April through June 2016, expanding the flight coverage area to include portions of Nance County (LLNRD "Area 28"). Additionally, AGF was able to get better than anticipated per line mile rate for the flights allowing the district to fly an additional 71 line miles (tighter spaced lines and adding in Nance County lines). The **preliminary** image file deliverables for each flight line summarizing the initial AEM survey results were provided to LLNRD by AGF on July 18, 2016.

ANTICIPATED ACTIVITIES FROM NOW UNTIL NEXT ANNUAL REPORT DUE APRIL 1, 2018:

- The final LLNRD AEM Report from AGF is anticipated on or before April 15, 2017. The final report will summarize the AEM survey results and incorporate the results with existing cross section and Conservation and Survey Division (CSD) test-hole data, GIS spatial data, and NDNR registered well data (select logs of registered wells will be used for general reference and comparisons) to produce finalized hydrogeologic framework segments along the planned transects and 3-D block area views.

ANTICIPATED CASH FLOW FOR REMAINDER OF THE PROJECT:

- Final Invoice from AGF for **\$83,333.00** is anticipated April 15, 2017. Reimbursement Claim #2, the last and final claim, is anticipated on or before April 30, 2017 and will be requesting **\$49,999.80** from WSF (60% of last invoice).

LIKELIHOOD THAT BENEFITS PROJECTED IN APPLICATION 4144 WILL BE REALIZED:

- Based on preliminary results provided by AGF in mid-July 2016, the project is on target for achieving the benefits to the LLNRD as described in the application.

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NATURAL RESOURCES