

## WSF 2017 Annual Report # 4141

**PROJECT:** Lower Elkhorn NRD Aquifer Framework Mapping –WSF  
Application #4141 (awarded April 2016)

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

### See Application 4141 Section D #2 For Project Scope Summary and Timeline

#### PROJECT PROGRESS APRIL 2016 TO APRIL 2017:

- The LENRD Airborne Electromagnetic Survey (AEM) flights were flown between July 20, 2016 and July 26, 2016. Aqua-geo Frameworks LLC (AGF) conducted the AEM flights (approximately 659 linear miles) and associated preliminary quality control data inversions on behalf of the LENRD in accordance with their subcontractor agreement with the LENRD dated May 25, 2016. Flight line refinement activities were conducted in April through June 2016. Additionally, AGF was able to get a better than anticipated per line mile rate for the flights allowing the district to fly an additional 51 line miles. The **preliminary** image file deliverables for each flight line summarizing the initial AEM survey results were provided by AGF on July 18, 2016.

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

- The final LENRD AEM Report from AGF is anticipated on or before May 22, 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 **\$83,333.00** ANTICIPATED MAY 30, 2017. REIMBURSEMENT CLAIM #2, LAST AND FINAL CLAIM, ANTICIPATED ON OR BEFORE APRIL 30, 2018: REQUESTING **\$49,999.80 FROM WSF (60% OF LAST INVOICE).**

#### LIKELIHOOD THAT BENEFITS PROJECTED IN APPLICATION 4141 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 LENRD as described in the application.