

WSF 2017 Annual Report # 4143

PROJECT: Mapping Aquifer Characteristics of the Lewis and Clark NRD using Aero Electromagnetics – WSF Application #4143 (awarded April 2016)

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

[See Application 4143 Section D #2 For Project Scope Summary and Timeline](#)

PROJECT PROGRESS APRIL 2016 TO APRIL 2017:

- The Lewis and Clark Natural Resources District (LCNRD) Airborne Electromagnetic Survey (AEM) flights were flown between July 21, 2016 and July 26, 2016. Aqua-geo Frameworks LLC (AGF) conducted the AEM flights (approximately 192 linear miles) and associated preliminary quality control data inversions on behalf of LCNRD in accordance with their subcontractor agreement with LCNRD dated May 19, 2016. Flight line refinement activities conducted in April through June 2016 expanded the flight coverage area to include as much of Cedar County with 3-mile grid pattern as possible with the line miles available. Additionally, AGF was able to get a better than anticipated per line mile rate for the flights allowing the district to fly an additional 43 line miles above the contract amount of 149 miles. The **preliminary** image file deliverables for each flight line summarizing the initial AEM survey results were provided to the LCNRD on July 18, 2016.

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

- The final LCNRD AEM Report from AGF is anticipated on or before June 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:

- The final Invoice from AGF for **\$20,400.00** is anticipated by June 30, 2017. Reimbursement Claim #2, last and final claim, is anticipated on or before June 30, 2017 and will request **\$12,240 from WSF (60% of final invoice).**

LIKELIHOOD THAT BENEFITS PROJECTED IN APPLICATION 4143 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 LCNRD as described in the application.