

WSF 2017 Annual Report # 4142

PROJECT: Lower Platte North NRD Aquifer Framework Mapping –
WSF Application #4142 (awarded April 2016)

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

See Application 4142 Section D #2 For Project Scope Summary and Timeline

PROJECT PROGRESS APRIL 2016 TO APRIL 2017:

- The LPNNRD Airborne Electromagnetic Survey (AEM) flights were flown between July 14, 2016 and July 26, 2016. Aqua-geo Frameworks LLC (AGF) conducted the AEM flights (approximately 655 linear miles) and associated preliminary quality control data inversions on behalf of LPNNRD in accordance with their subcontractor agreement with LPNNRD dated June 17, 2016. Flight line refinement activities conducted in April through June 2016 expanded the flight coverage areas slightly for the targeted special quantity subareas (SQS #1 and SQS #2). AGF was able to provide an additional 47 line miles (spaced lines) than contracted and the team focused on getting the best spacing possible utilizing the miles available for the management concerns specific to those two areas. The **preliminary** image file deliverables for each flight line summarizing the initial AEM survey results were provided to LPNNRD by AGF on August 2, 2016.

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

- The final LPNNRD AEM Report from AGF is anticipated on or before August 30, 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 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 September 15, 2017. Reimbursement Claim #2, the last and final claim, is anticipated on or before September 30, 2017 and will be requesting **\$49,999.80** from WSF (60% of last invoice).

LIKELIHOOD THAT BENEFITS PROJECTED IN APPLICATION 4142 WILL BE REALIZED:

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