

## WSF 2017 Annual Report # 4132

**PROJECT:** Lower Platte South NRD Aquifer Framework Mapping –  
WSF Application #4132 (awarded April 2016)

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

### See Application 4132 Section D #2 For Project Scope Summary and Timeline

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

- The Lower Platte South Natural Resources District (LPSNRD) Airborne Electromagnetic Survey (AEM) flights were flown between July 27, 2016 and August 2, 2016 for the above-referenced project. Aqua-geo Frameworks LLC (AGF) conducted the AEM flights (approximately 661 linear miles) and associated preliminary quality control data inversions on behalf of LPSNRD in accordance with their subcontractor agreement with LPSNRD dated June 17, 2016 (fully executed July 20, 2016). Flight line refinement activities conducted in April through June 2016 expanded the survey block areas to cover the 10 WHPAs with 5 blocks. Additionally, AGF was able to get a better than anticipated per line mile rate for the flights allowing the district to fly an additional 53 line miles (closer spaced block lines and supplementary recon lines). The preliminary image file deliverables for each flight line summarizing the initial AEM survey results were provided by AGF to the LPSNRD on August 2, 2016.

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

- The final LPSNRD AEM Report from AGF is anticipated on or before November 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 **\$83,333** ANTICIPATED NOVEMBER 30, 2017. REIMBURSEMENT CLAIM #2, LAST AND FINAL CLAIM, ANTICIPATED ON OR BEFORE DECEMBER 10, 2017: REQUESTING **\$50,000 FROM WSF (60% OF THE FINAL INVOICE)**.

#### LIKELIHOOD THAT BENEFITS PROJECTED IN APPLICATION 4132 WILL BE REALIZED:

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