

## WSF 2019 Annual Report # 5189

**PROJECT:** Eastern Nebraska Aquifer Framework Mapping –WSF Application #5189 (awarded November 2017)

**DATE:** MARCH 29, 2019  
(ANNUAL REPORT DUE ON OR BEFORE APRIL 1, 2019)

### See Application 5189 Section D #2 For Project Scope Summary and Timeline

#### PROJECT PROGRESS APRIL 2018 TO APRIL 2019:

Between June 13, 2018 and July 26, 2018 approximately 7,000 line miles (~11,336 line kilometers [km]) of Airborne Electromagnetic Survey (AEM) flights were flown in eastern Nebraska under contract with Aqua-geo Frameworks LLC (AGF) on behalf of the Eastern Nebraska Water Resources Assessment (ENWRA) NRDs for the above-referenced eastern Nebraska Aquifer Framework mapping project (WSF #5189). The six ENWRA (Lewis and Clark, Lower Elkhorn, Lower Platte North, Lower Platte South, Nemaha, and Papio-Missouri River) NRDs issued media releases and held several AEM-related presentation and meeting sessions throughout 2018 and early 2019. The Lewis and Clark and Lower Elkhorn NRDs each signed separate side contracts with AGF for additional AEM lines beyond the flight line coverages planned in the WSF #5189 application. Those additional lines are/will be included in the reporting products for the WSF #5189 framework mapping project thus exceeding the originally planned local match and associated project scope benefits for those district areas. The first two of the six chapter report deliverables (Lower Elkhorn NRD on December 31, 2018 and Nemaha NRD on March 21, 2019) and a partial reporting presentation and results delivery for the Lewis and Clark (side contract focus areas on February 14, 2019) were provided by AGF as planned. Additional to the side contract amounts (totaling around 600 line miles), approximately 1,557 to 2,368 line-miles of bonus survey flight lines were accomplished above and beyond the 4,076-4,890 line-miles [6,560-7,865 km] estimated in the project contract and grant application.

#### ANTICIPATED ACTIVITIES FROM NOW UNTIL NEXT ANNUAL REPORT DUE APRIL 1, 2020:

The remaining four report chapter deliverables are in progress and should be completed, along with an over-arching ENWRA report text deliverable, prior to the next April 1, 2020 WSF Annual status report. AGF has indicated the next chapter report for the Papio-Missouri River NRD is underway and expected to be delivered in June 2019. The Lower Platte North NRD chapter report will be delivered in August 2019 and the remaining Lewis and Clark (main contract focus areas) and Lower Platte South NRD chapter reports will be staggered after those accordingly. The overarching ENWRA text deliverable is anticipated to be delivered in December 2019 or early 2020.

#### ANTICIPATED CASH FLOW FOR REMAINDER OF THE PROJECT:

The initial three reimbursement claims, Claim 1 through 3 totaling \$1,652,400.00, have been submitted and received (60% of the initial \$984,000 down incurred, \$1,640,000 incurred after flights and \$130,000 Lower Elkhorn Chapter report deliverable). The next five claims (#4 to #8) **totaling \$315,600.00** (60% of the remaining \$526,000 planned reporting costs) will be staggered as the next chapter reports are delivered by AGF until the entire \$1,968,000 award (60% of \$3,280,000.00 total project cost) is satisfied, which is anticipated before the next April 1, 2020 status report is due.

#### LIKELIHOOD THAT BENEFITS PROJECTED IN APPLICATION 5189 WILL BE REALIZED:

Based on previous project results provided by AGF, the project is on target for achieving the benefits as described in the application.

# 2018 Airborne Electromagnetic (AEM) Survey Transects

## Eastern Nebraska Water Resources Assessment (ENWRA)

<https://lpsnrd.maps.arcgis.com/apps/View/index.html?appid=99817a294fba4c96aed670e2e9b2df75&extent=-98.3488,40.9344,-95.0089,42.6987>

### Legend

— WSF #5189 Flights Completed 2018

— Major Eastern Nebraska Rivers

□ County Boundaries

### ENWRA NRDs

□ Lewis & Clark

□ Lower Elkhorn

□ Lower Platte North

□ Lower Platte South

□ Nemaha

□ Papio-Missouri River

Map Created August 9, 2018

By: Katie Cameron, ENWRA Project Coordinator

0 5 10 20 30 40  
Miles

