Lower Elkhorn NRD 2018

General geographical area: Lower Elkhorn NRD

Client Name: Lower Elkhorn NRD

Year Survey Completed: 2018

Institution oversaw survey planning, collection and data processing: Aqua Geo Frameworks LLC

Survey Type: Recon lines with block sections

Geophysical survey company / system: SkyTEM

Configuration: SkyTEM304M

Collection End Date: 20 July, 2018

Institution responsible for data processing and inversion: Aqua Geo Frameworks LLC

Geophysicists who performed inversion and interpretation: Ted Asch, Jared Abraham

Software version: Aarhus Workbench 5.8.3.0

Citation of Report: AGF, 2017, Airborne Electromagnetic Mapping and Hydrogeologic Framework of Selected Regions of the Eastern Nebraska Water Resources Assessment Area, Chapter on the Lower Elkhorn Natural Resources District, Revision 1, Prepared for the Lower Elkhorn Natural Resources District, Jan 18, 2019, by Aqua Geo Frameworks, LLC, Mitchell, Nebraska. https://www.dropbox.com/s/lvourge7eo12jy1/LENRD_2018_AEM_Chapter_Report_Rev1_18Jan2019.pdf?dl=0 (accessed November 21, 2019)

Total KM data acquired: 2745.7

Total km of retained data: 2143.3 km

Number of layers in model: 29

Thickness of first layer: 9.8 ft

Factor by which thickness increases: 1.08

Modifications or processing performed following delivery: None

Type of inversion result: Resistivity depth

Basic Inversion Scheme performed: spatially constrained inversion (SCI)

ESPG: 26822 and 32104