Lower Platte North NRD 2018

General geographical area: Lower Platte North NRD

Client Name: Lower Platte North NRD

Year Survey Completed: 2018

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

Survey Type: Block data and recon lines

Total KM data acquired: 2447 km

Geophysical survey company / system: SkyTEM

Configuration: SkyTEM304M

Collection End Date: 14 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, 2019, Airborne Electromagnetic Mapping and Hydrogeologic Framework of Selected Regions of the Eastern Nebraska Water Resources Assessment Area, Chapter on the Lower Platte North Natural Resources District, v. 2, Prepared for the Lower Platte North Natural Resources District, Aug 6, 2019, by Aqua Geo Frameworks, LLC, Mitchell, Nebraska. https://www.dropbox.com/s/isa6wuiquiecetx/LPNNRD_AEM_2018_Final_Report_06Aug2019_v3.pdf (accessed December 3, 2019)

Total km of retained data: 2371 km

Number of layers in model: 39

Thickness of first layer: 3.3 ft

Factor by which thickness increases: 1.07 to 1.13

Type of inversion result: Resistivity depth

Basic Inversion Scheme performed: spatially constrained inversion (SCI)

ESPG: 26822 and 32104