

## WSF 2022 Annual Report #5303

**PROJECT:** P-MRNRD and LPNNRD 3D AEM Hydrogeologic Framework –WSF Application #5303 (awarded November 2020)

**DATE:** MARCH 31, 2022  
(FIRST ANNUAL REPORT DUE ON OR BEFORE APRIL 1, 2021)

[See Application 5303 For Project Scope Summary and Timeline](#)

### PROJECT PROGRESS NOV 2020 TO APRIL 2022:

The P-MRNRD acts as the administrative agent for this project through an Interlocal Agreement with LPNNRD. The P-MRNRD signed a professional services agreement with Leonard Rice Consulting Water Engineers, Inc. (LRE) to synthesize and analyze AEM and other geologic data into a 3D software, Leapfrog. This agreement with LRE was executed in Dec. 2020.

LRE began work in January and has completed data collection and started assembling the 3D model. Results and deliverables were provided by Dec. 2021. Review by both NRDs and NDNR has been completed and final revision are being made by LRE.

### ANTICIPATED ACTIVITIES FROM NOW UNTIL NEXT ANNUAL REPORT DUE APRIL 1, 2022

LRE completed the 3D Hydrogeologic Framework in both the P-MRNRD and LPNNRD. Final deliverables from this effort will be provided in April 2022.

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

The P-MRNRD will submit reimbursement Claim #1 in June 2022 for actual expenses paid to LRE through May 2022. This will likely be the only Claim required before the project can be closed out in June 2022.

### LIKELIHOOD THAT BENEFITS PROJECTED IN APPLICATION 5303 WILL BE REALIZED:

It is anticipated that all benefits detailed in the WSF application will be realized after completing this project. This enhanced data produces the geologic layers necessary to run groundwater models of the glaciated geology found in eastern Nebraska.