

Appendix 1:

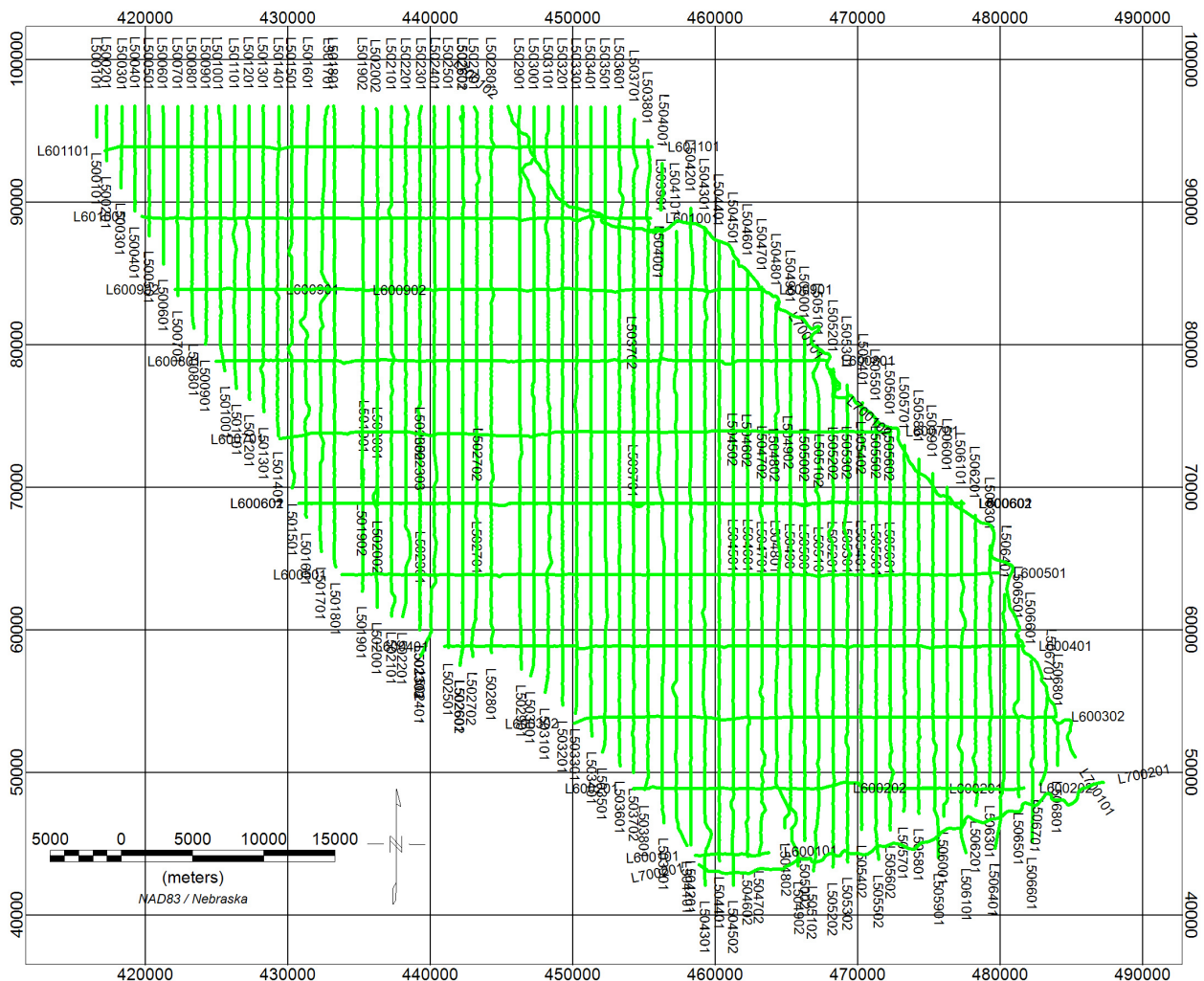
2D Profiles – 2022 Middle Republican Natural Resources District Inverted AEM Resistivity

Page

A1-2 – A1-105

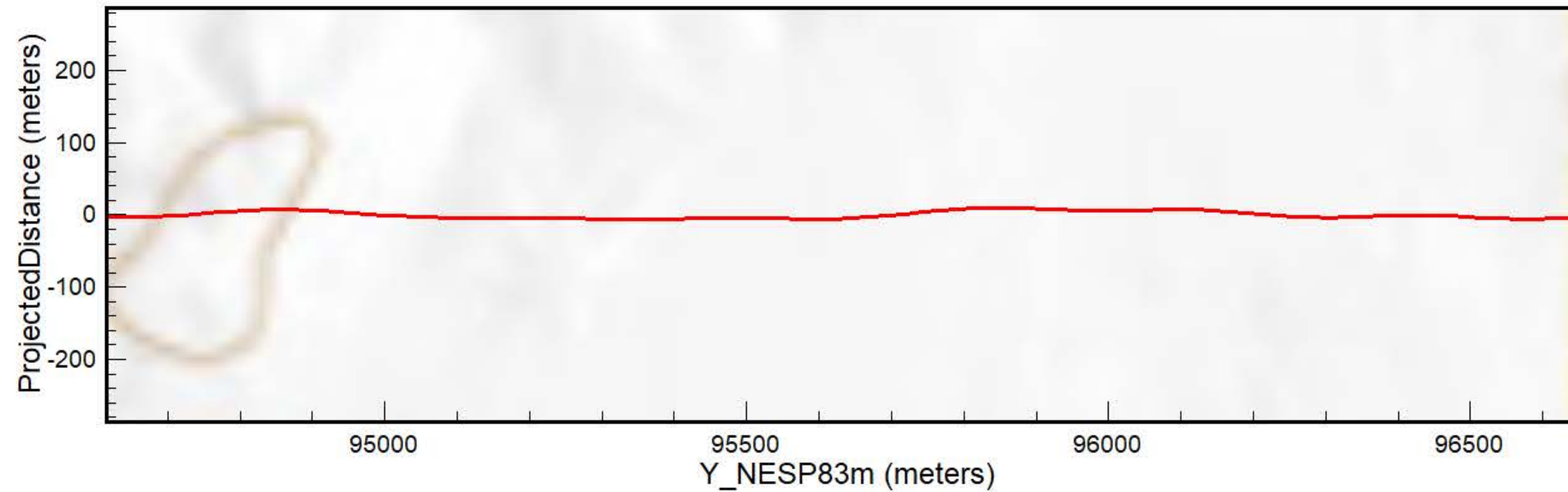
This document contains 2D Profiles of the 2022 Middle Republican NRD AEM survey.

Each page has a flight line map at the top right and a flight line location view above an inverted resistivity profile.

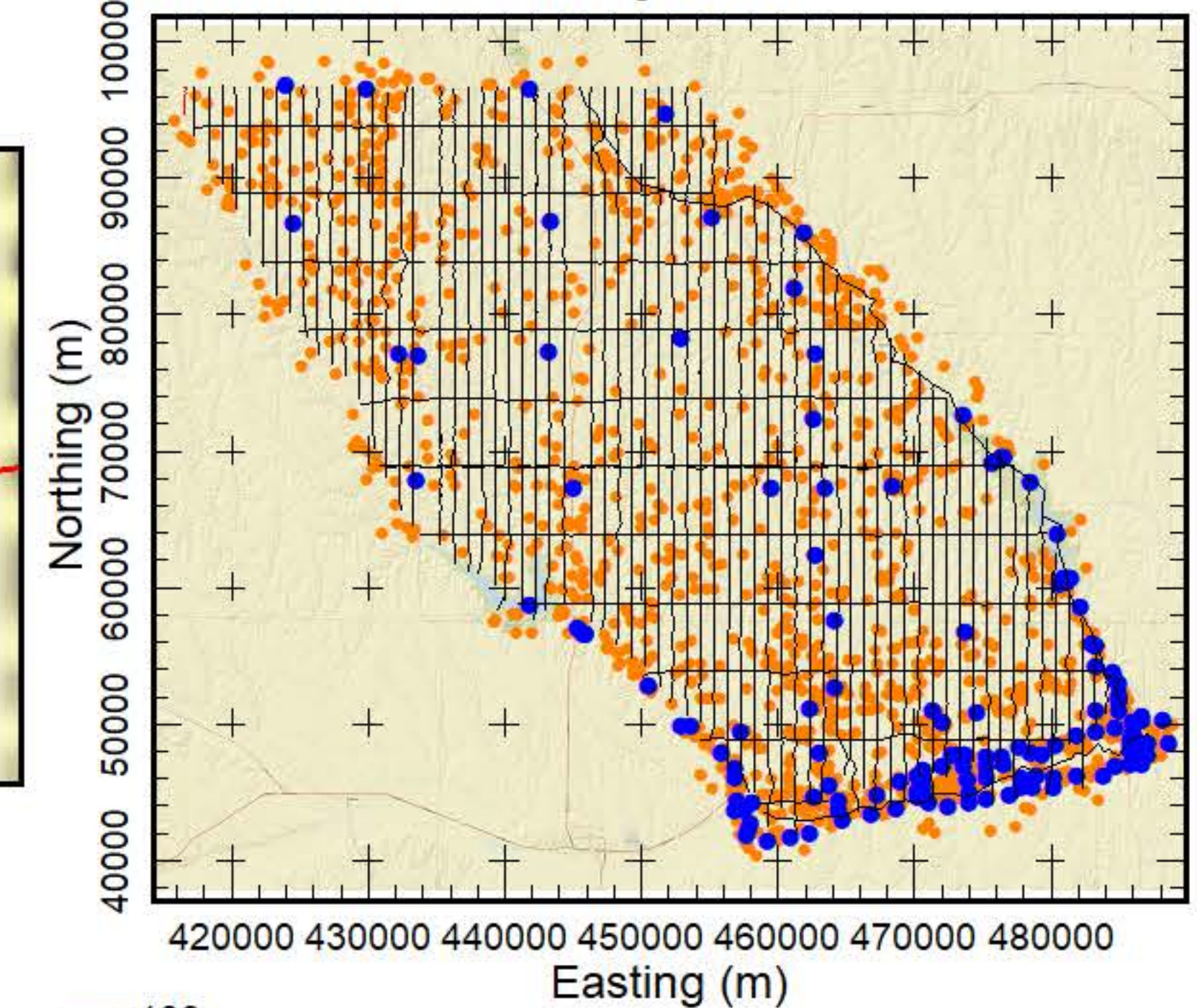




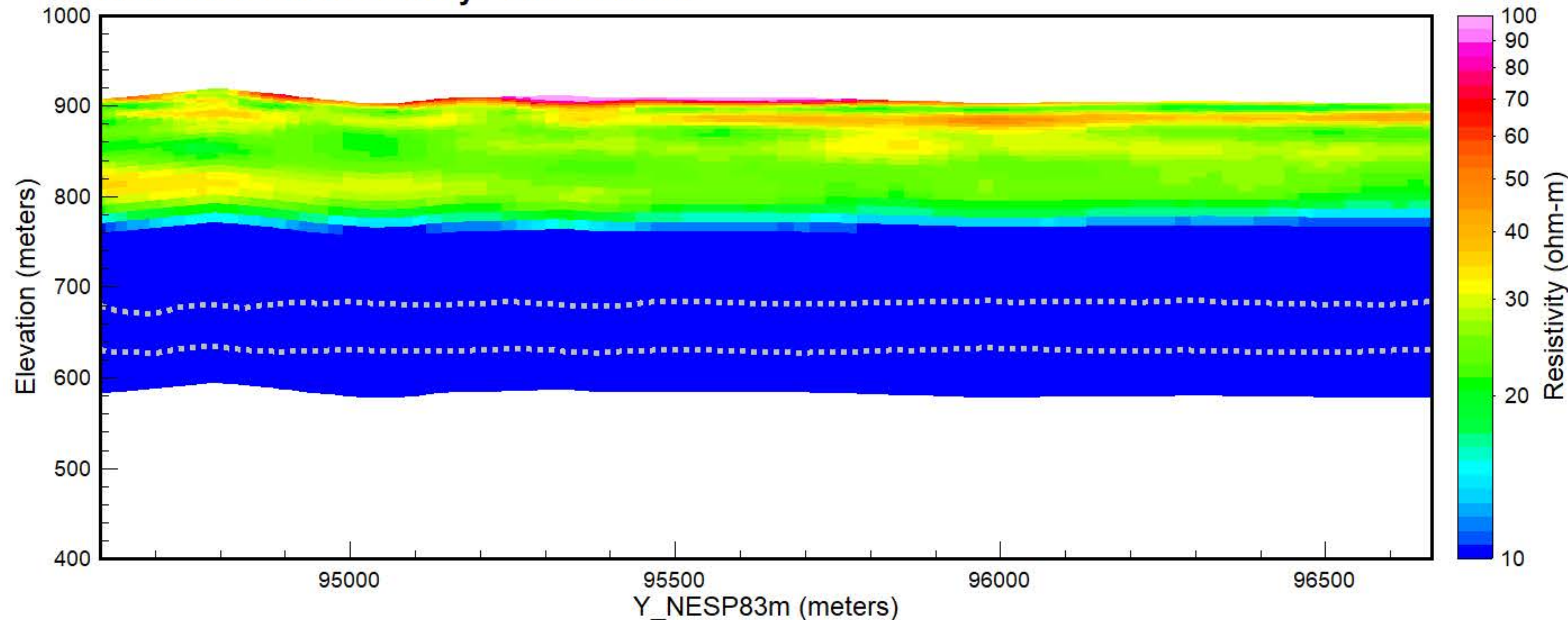
Flight Path Line L500101



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L500101



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

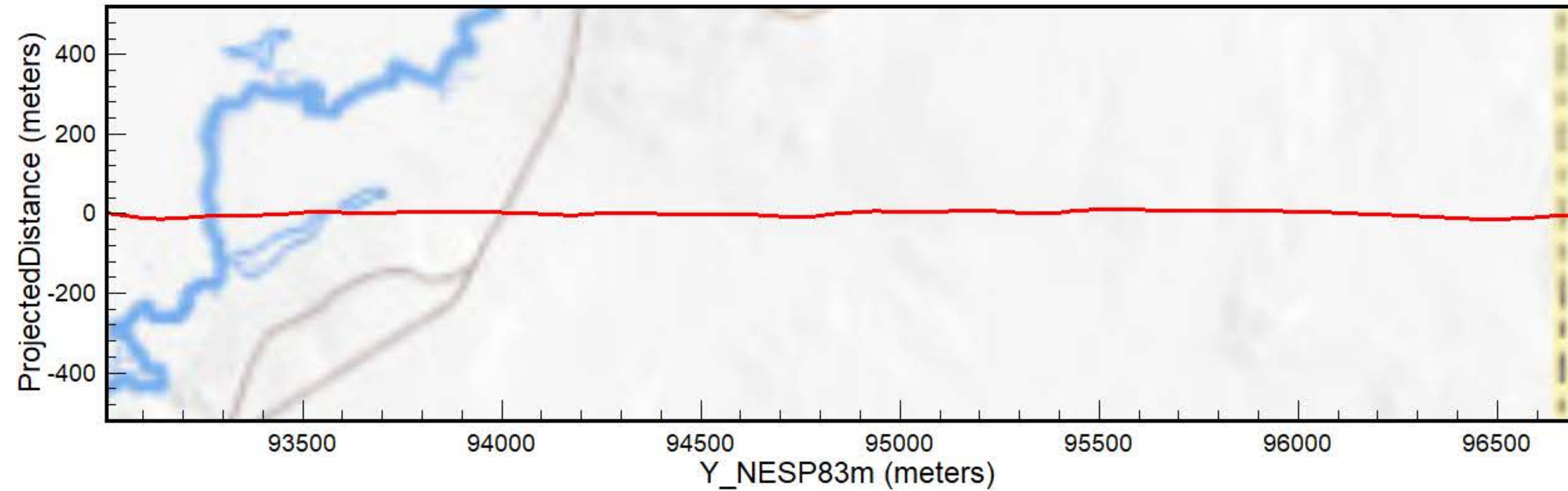
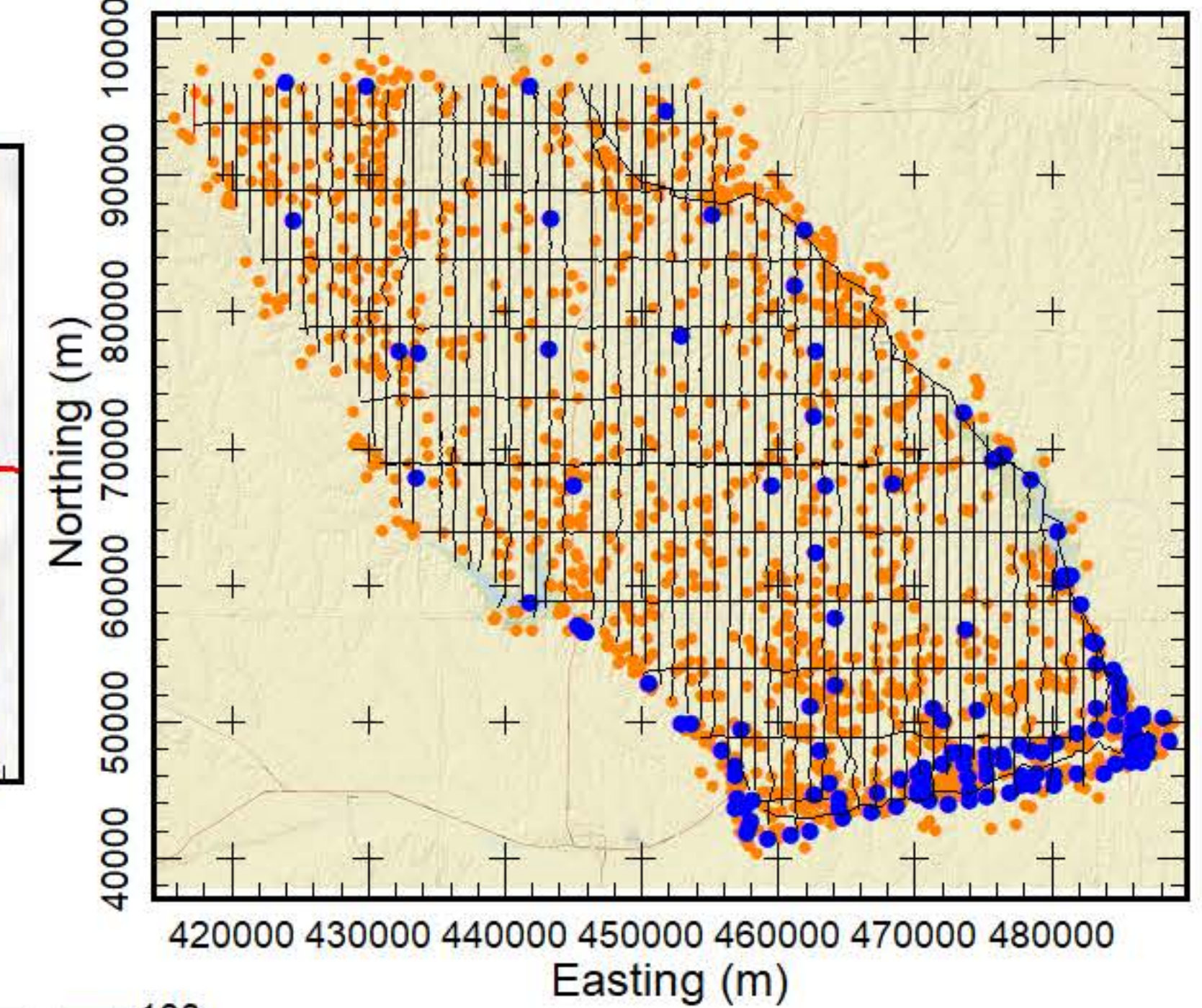
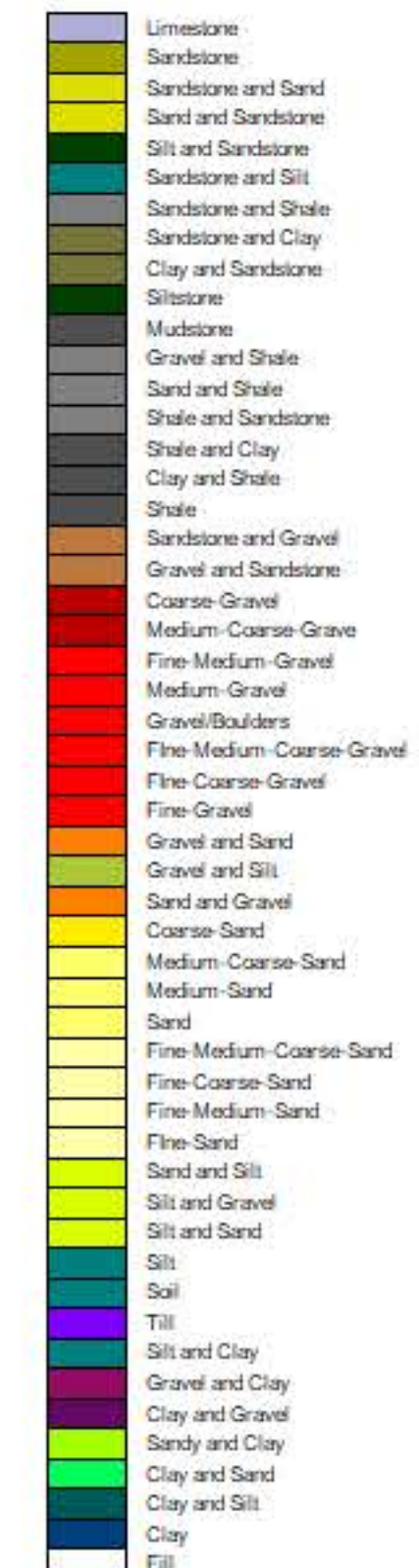
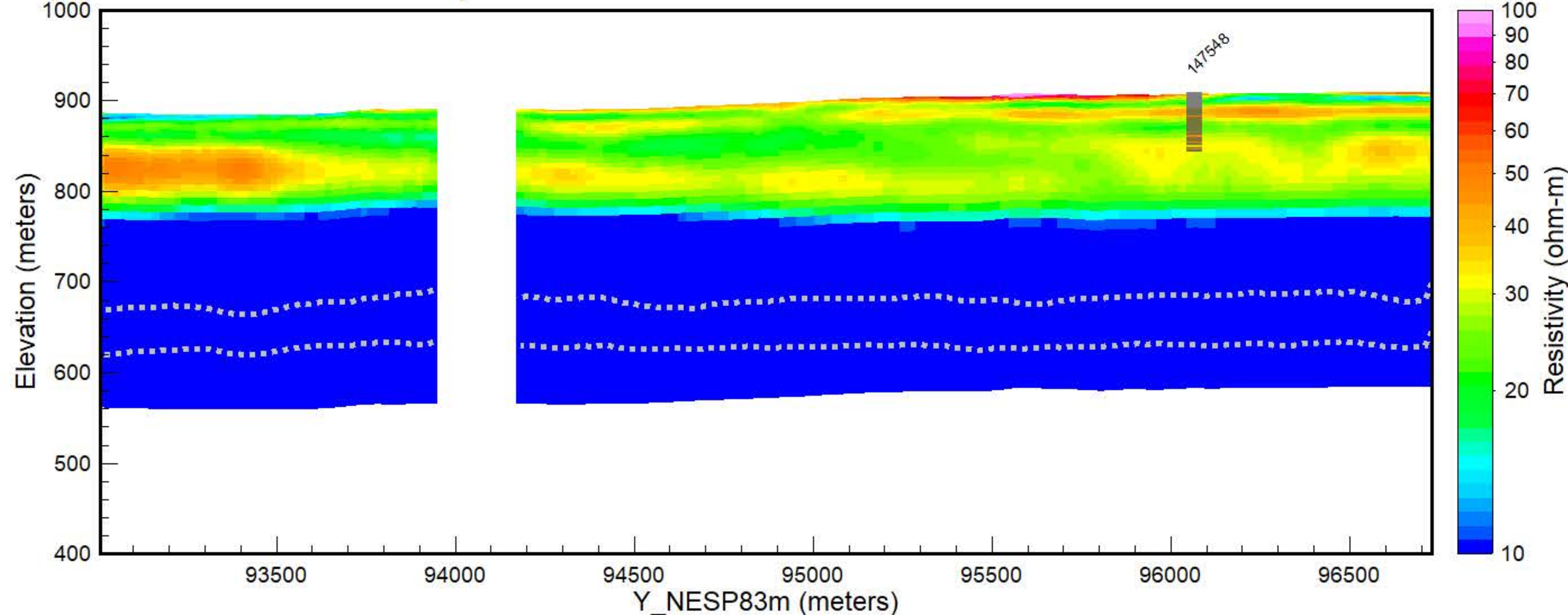
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Prepared for the MRNRD by Aqua Geo Frameworks, LLC.




Flight Path Line L500201

MRNRD AEM Survey Area

AEM Inversion Resistivity Line L500201


Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

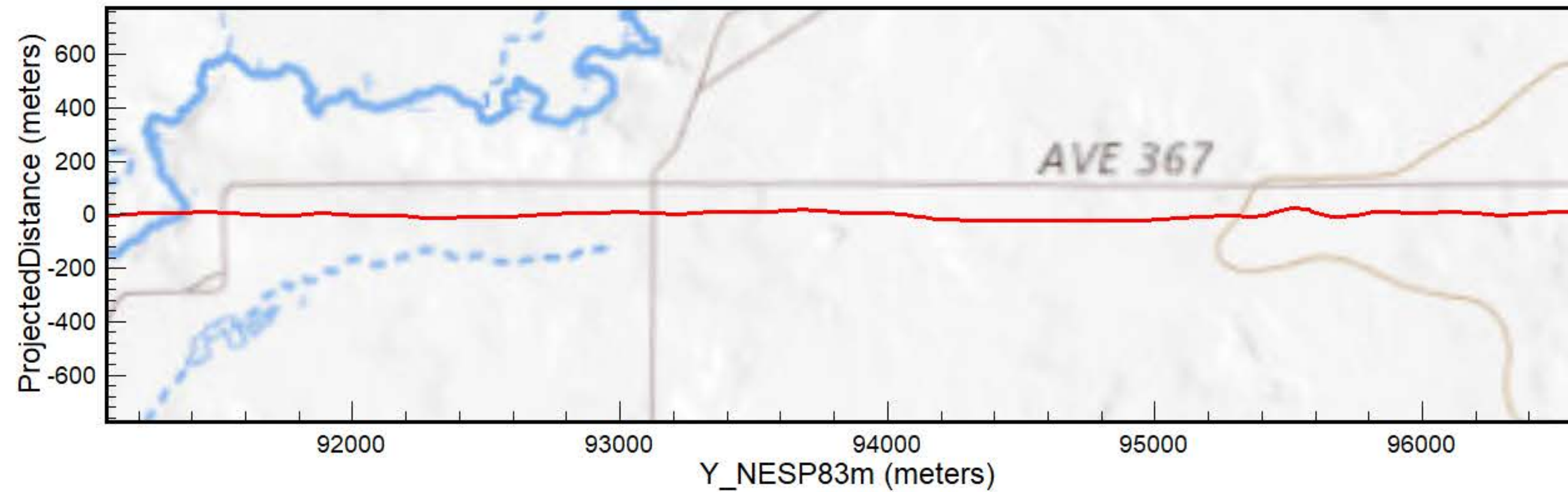
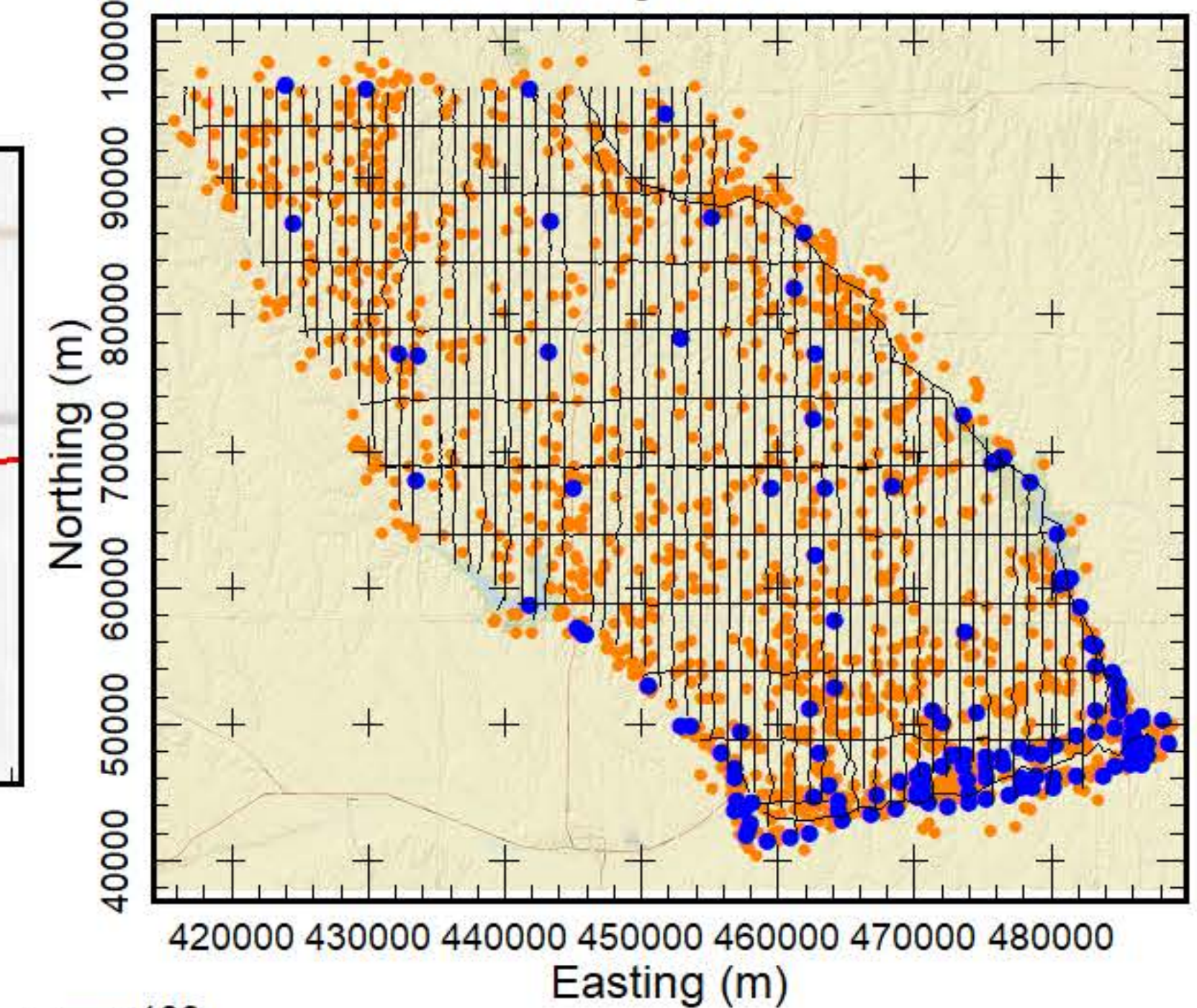
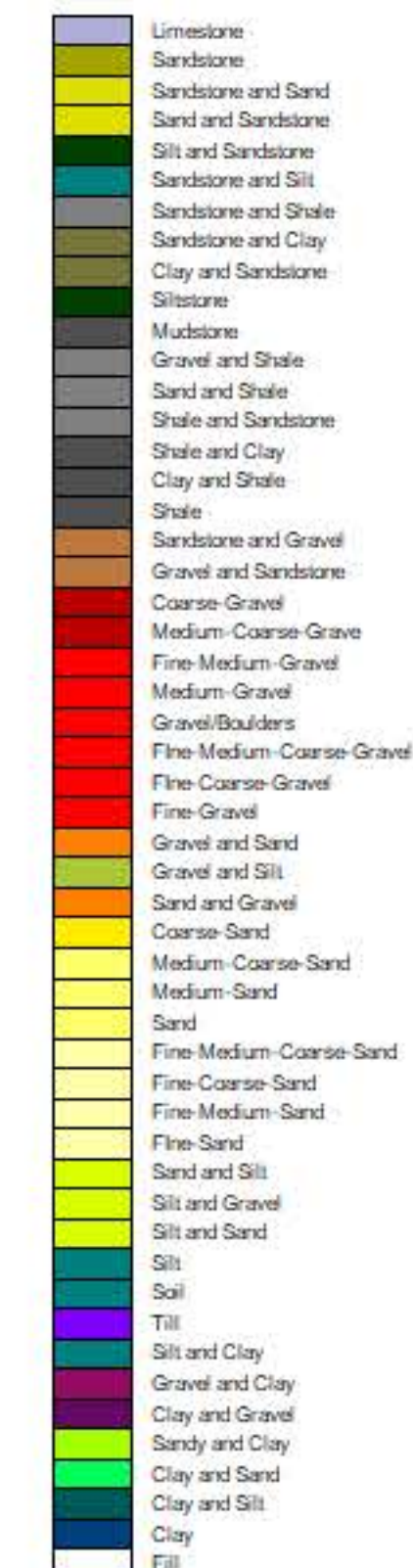
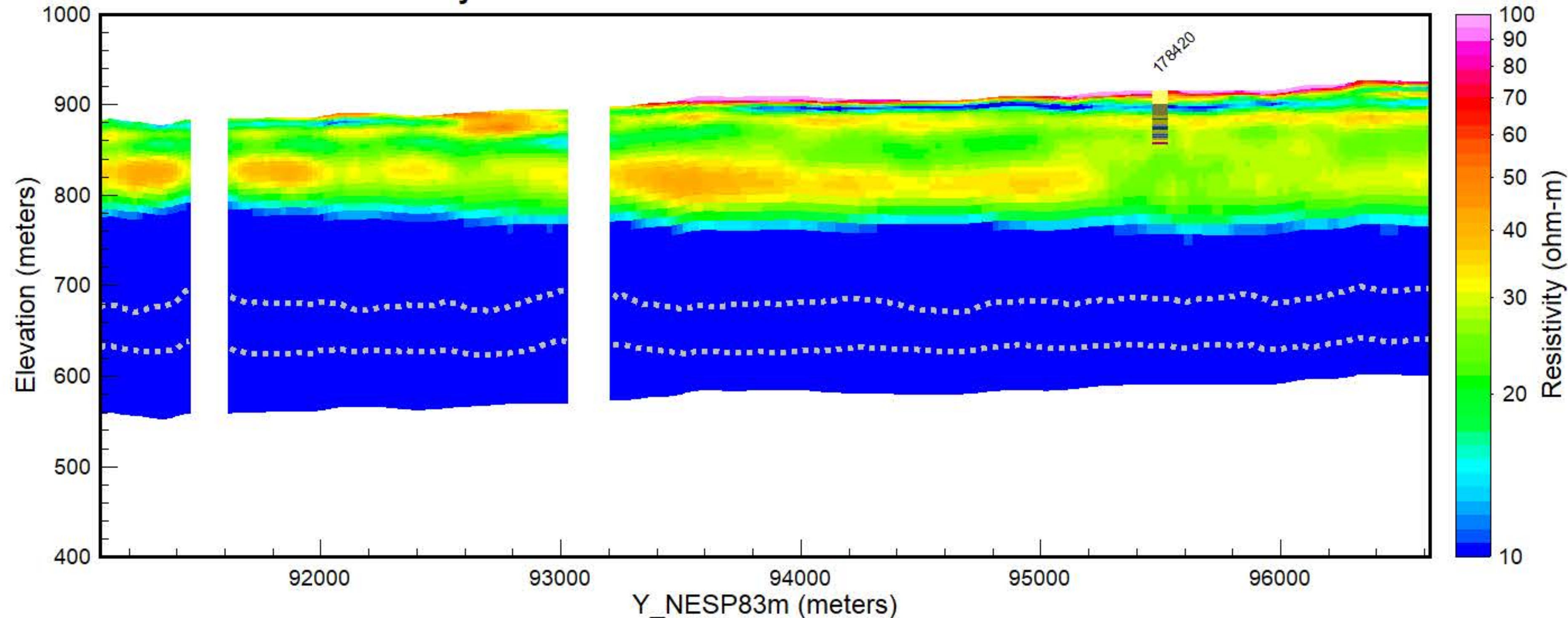
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Prepared for the MRNRD by Aqua Geo Frameworks, LLC.



Flight Path Line L500301**MRNRD AEM Survey Area****AEM Inversion Resistivity Line L500301**

Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

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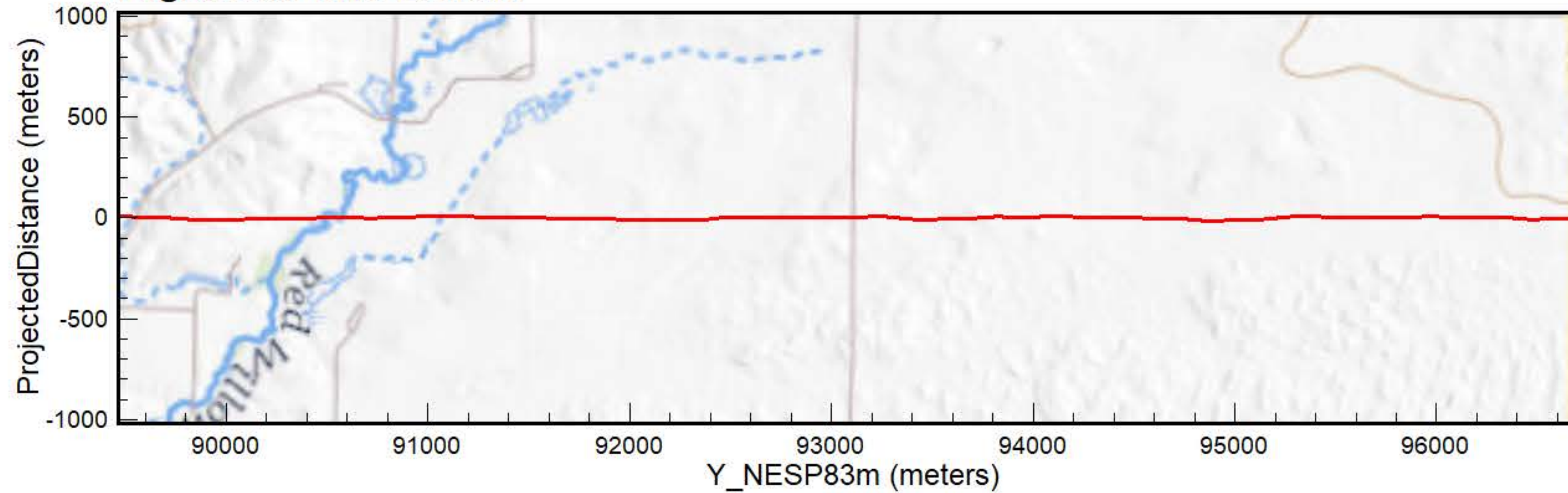
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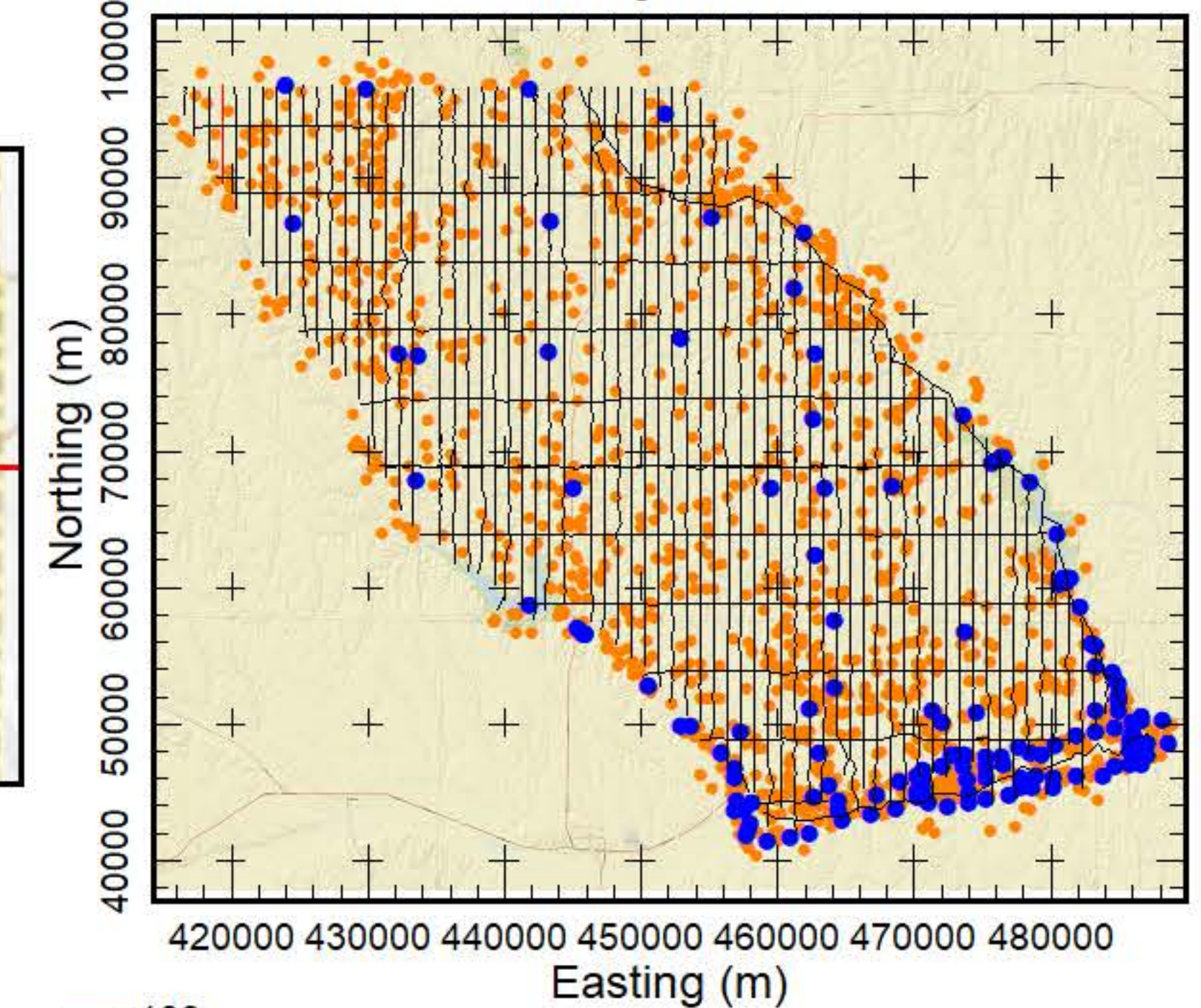
Prepared for the MRNRD by Aqua Geo Frameworks, LLC.



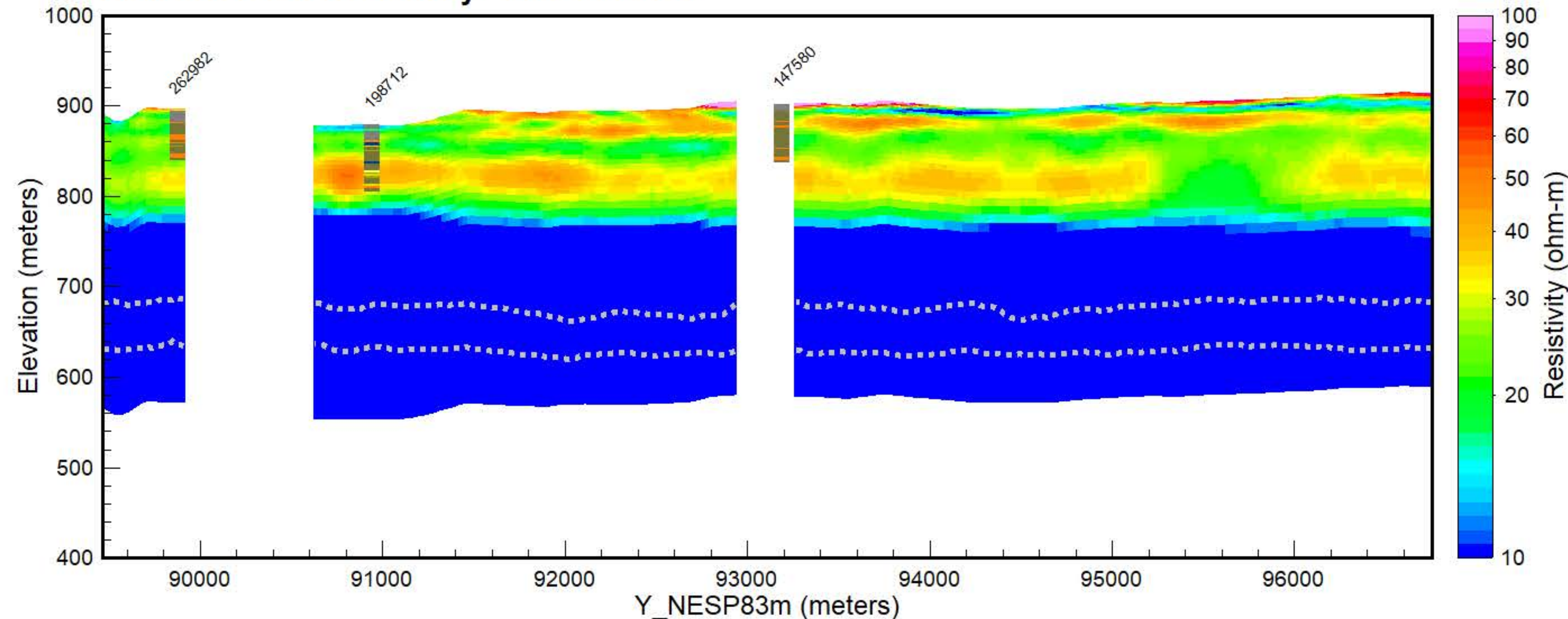
Flight Path Line L500401



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L500401



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

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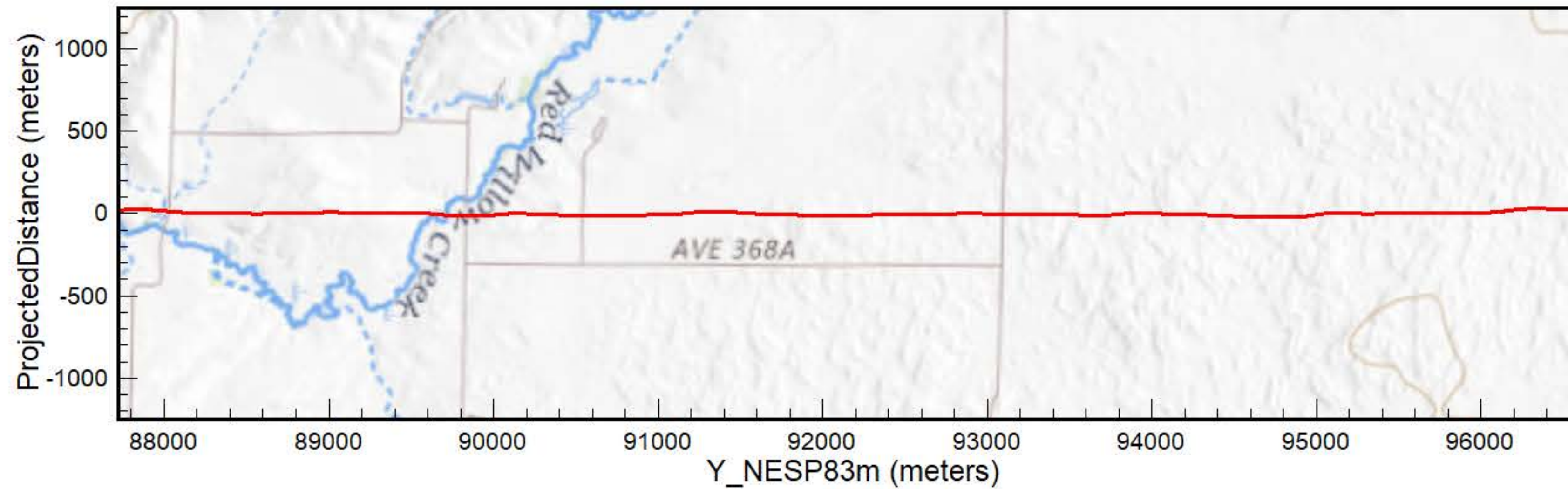
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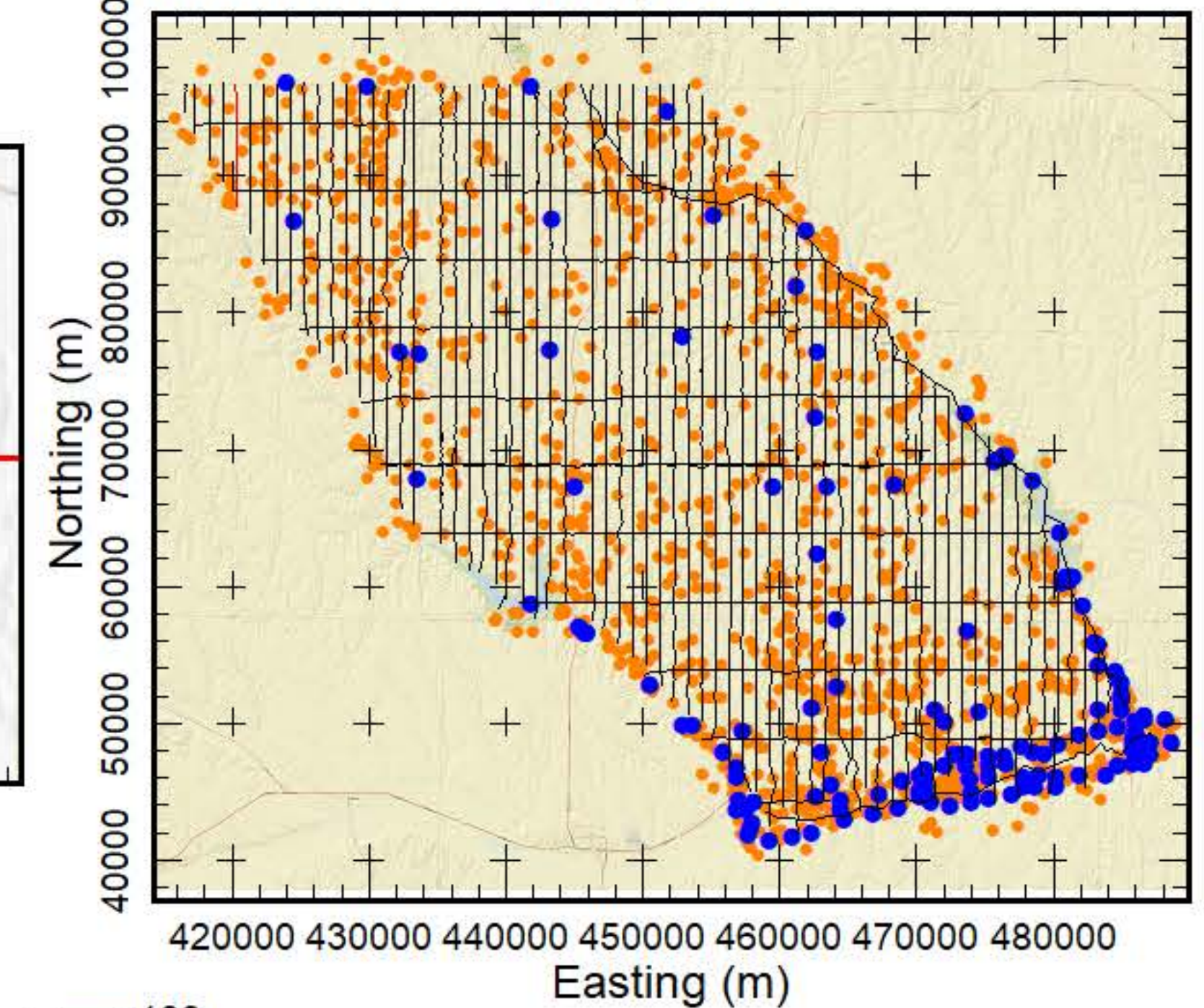




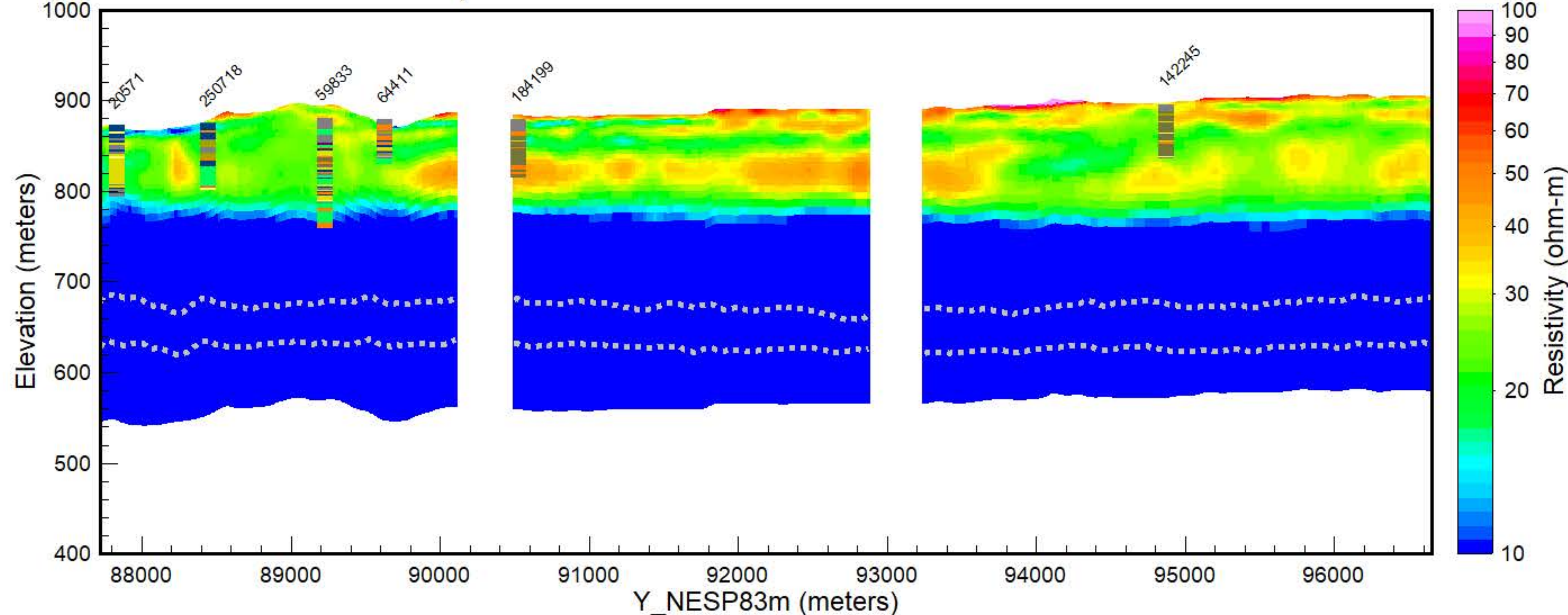
Flight Path Line L500501



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L500501



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

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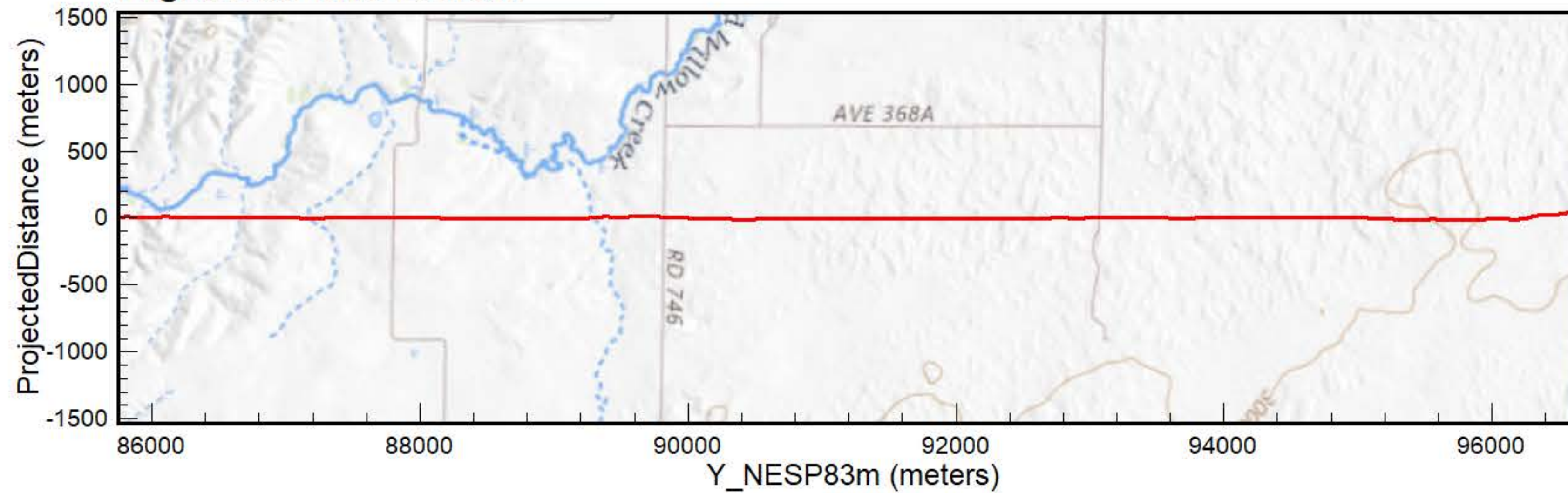
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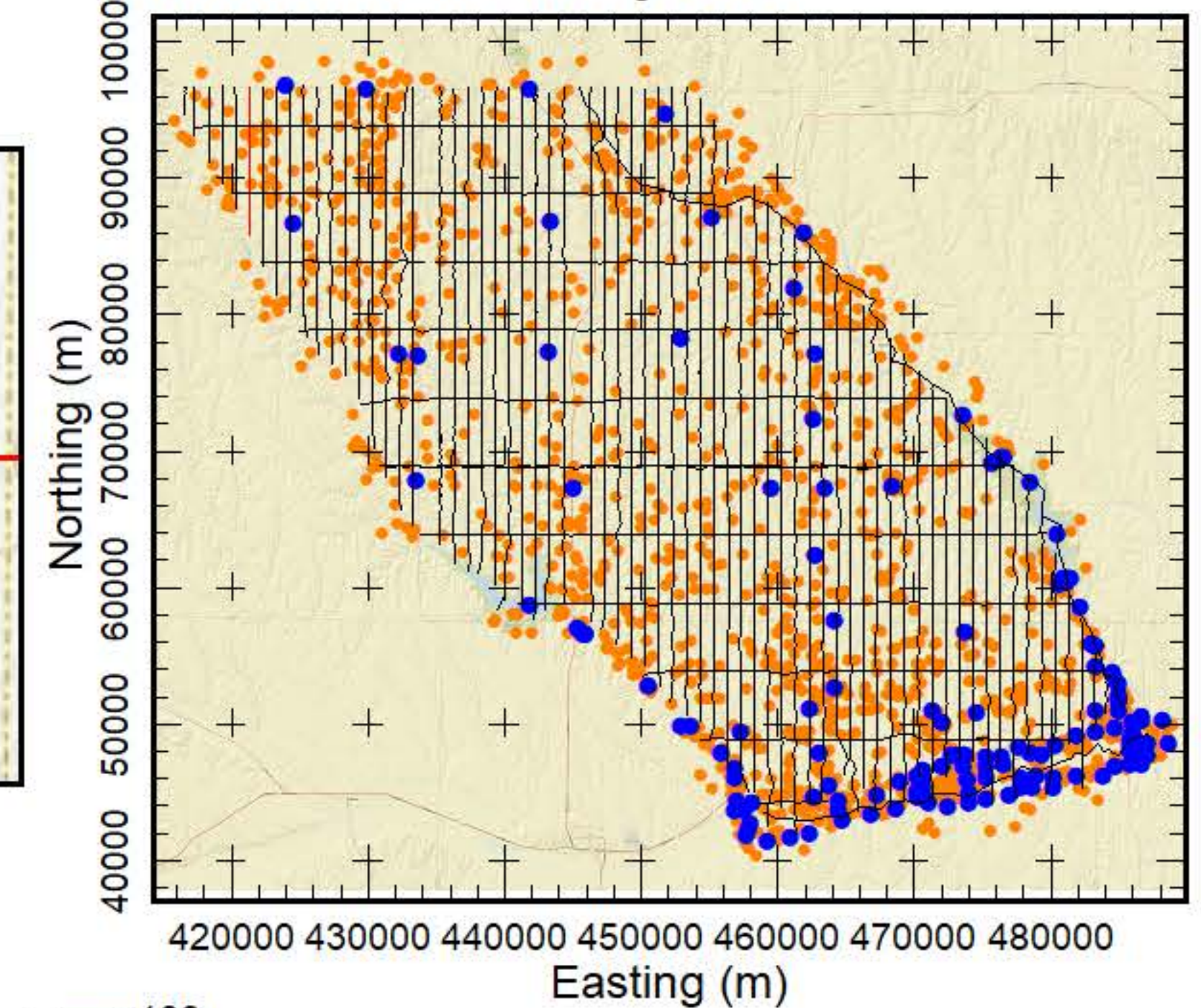




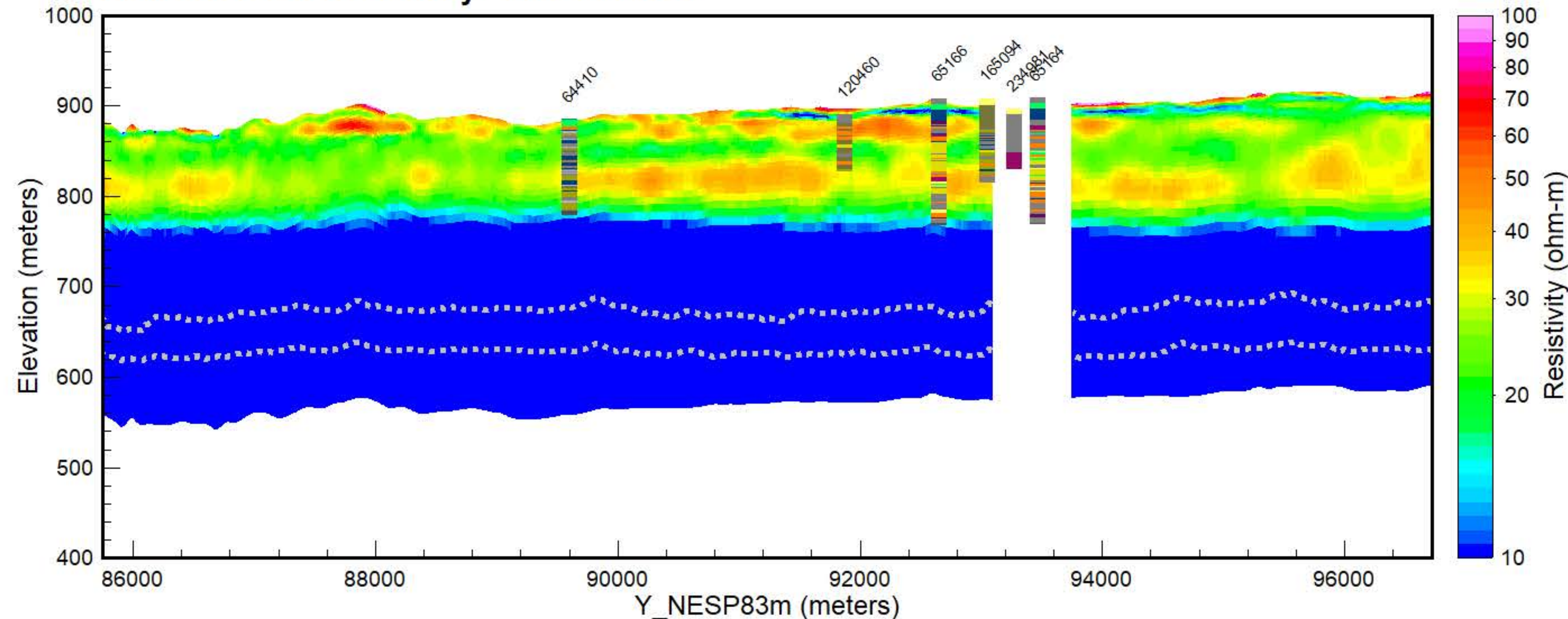
Flight Path Line L500601



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L500601



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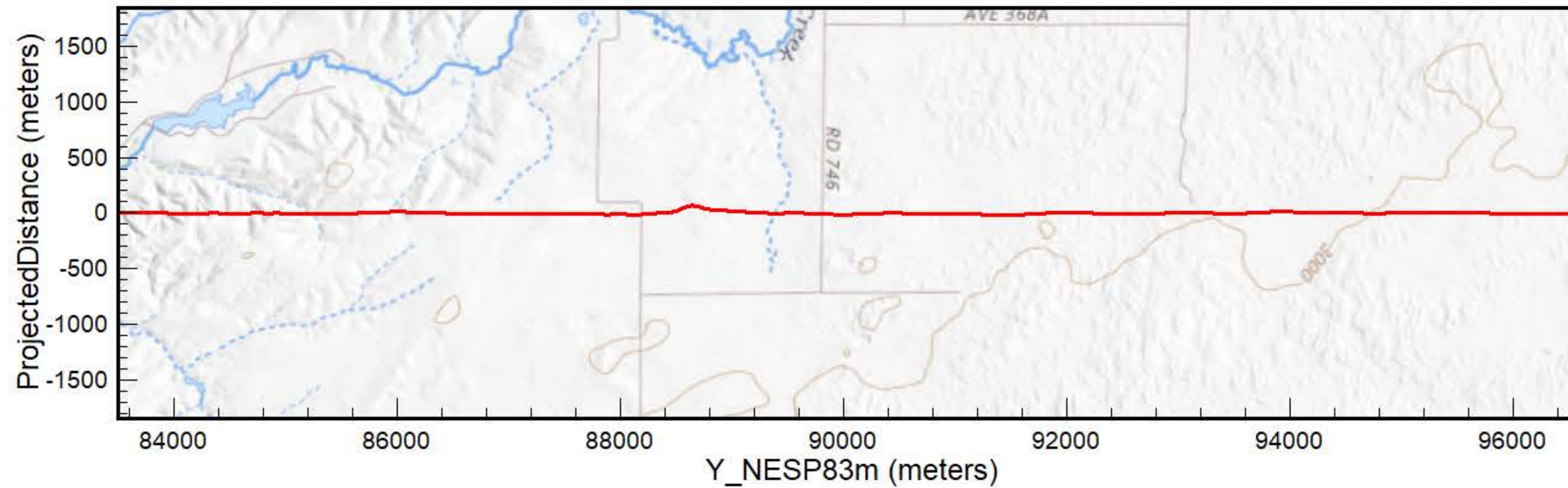
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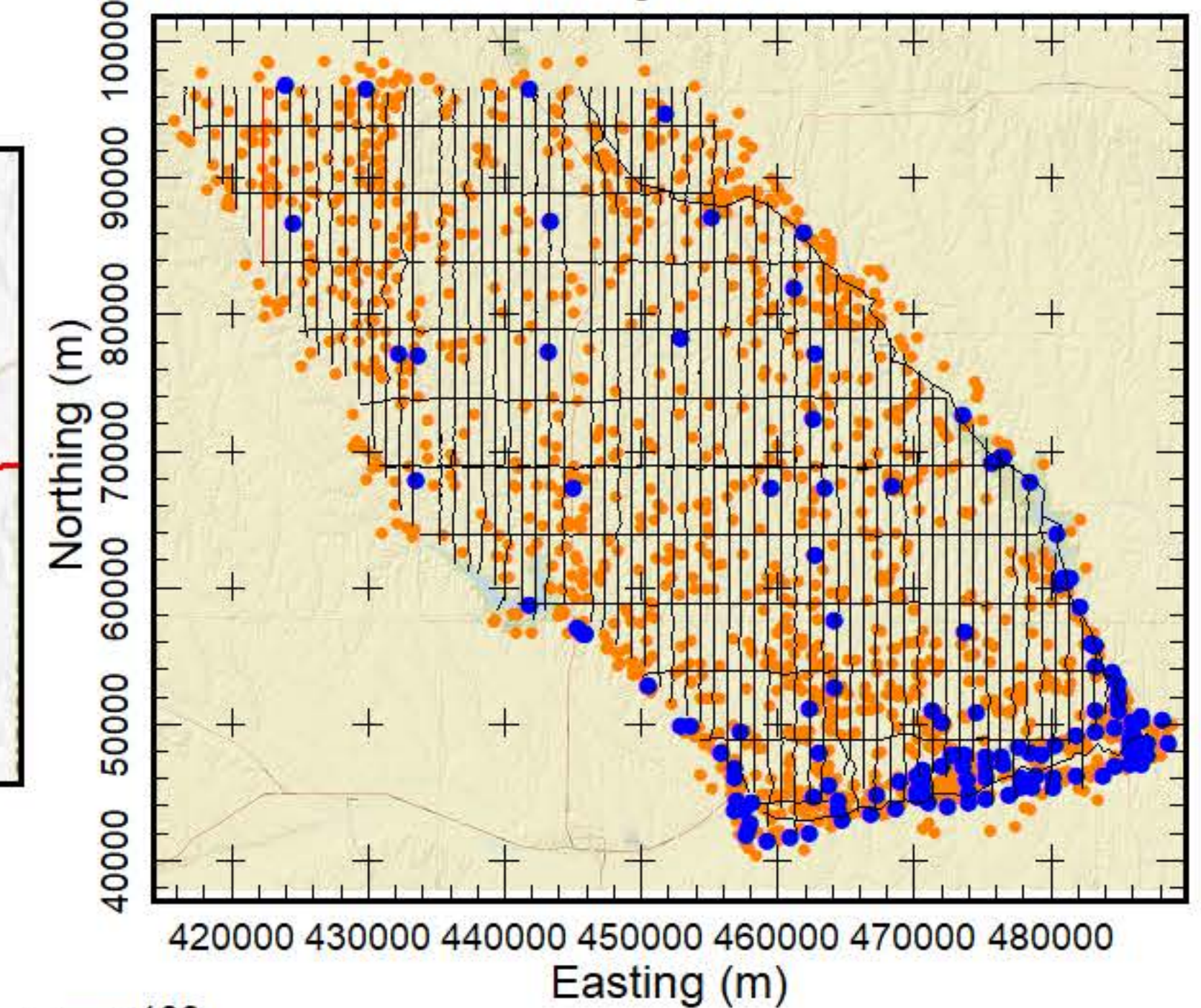




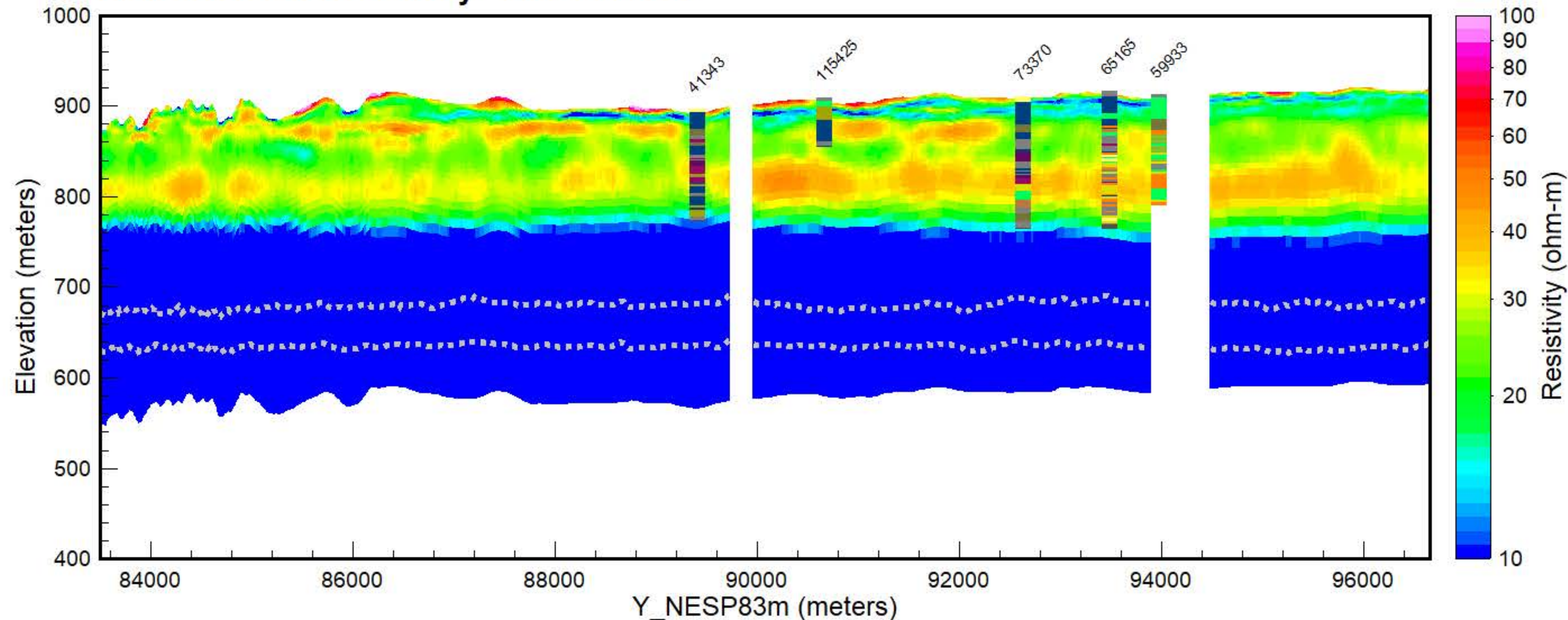
Flight Path Line L500701



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L500701



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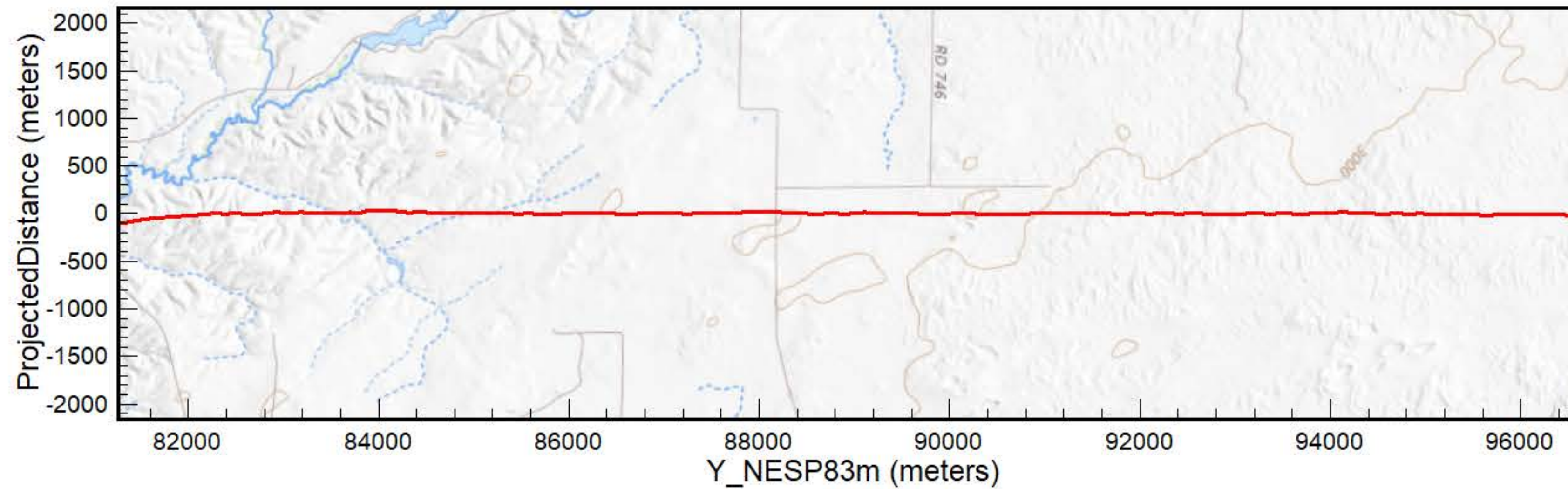
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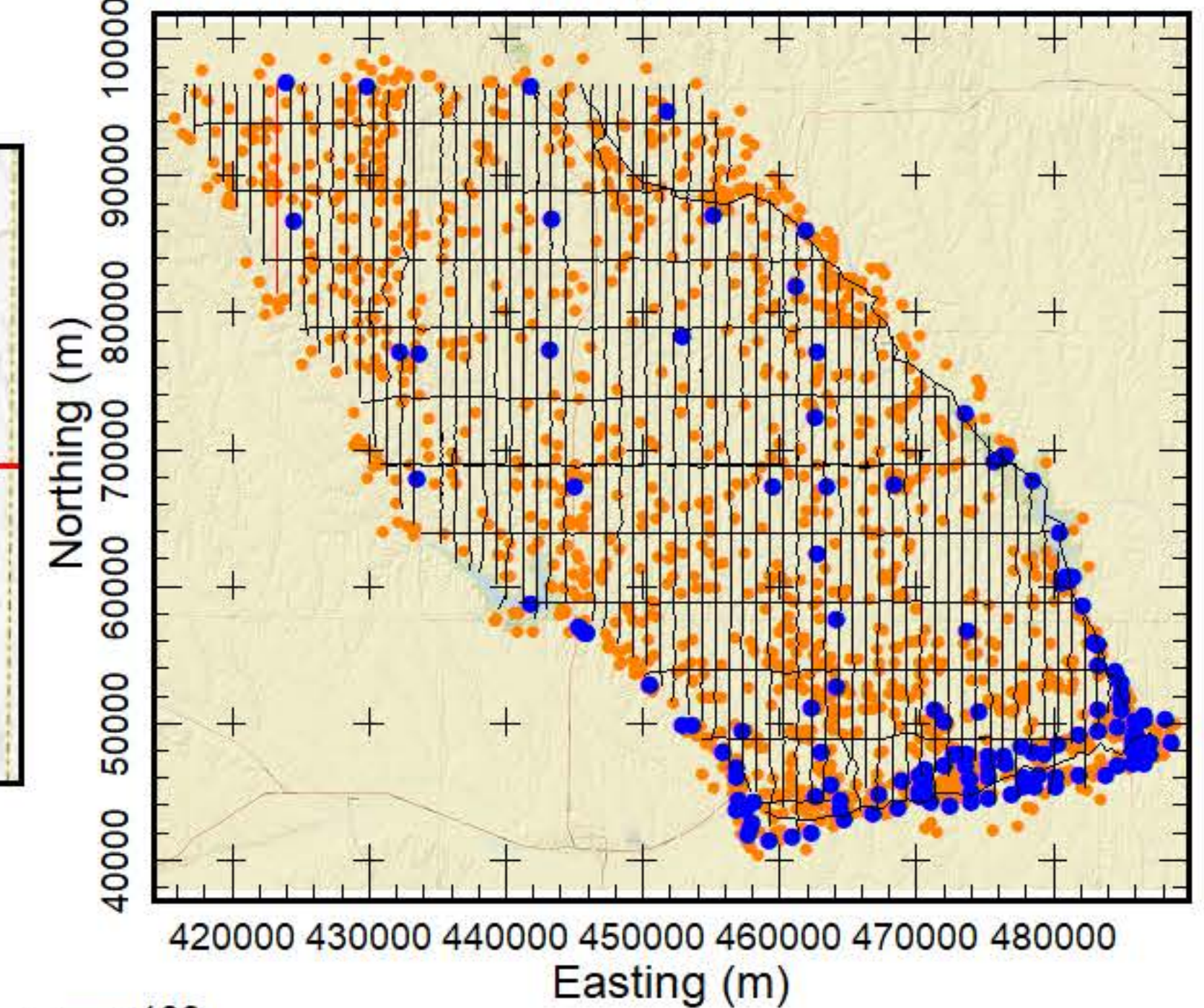




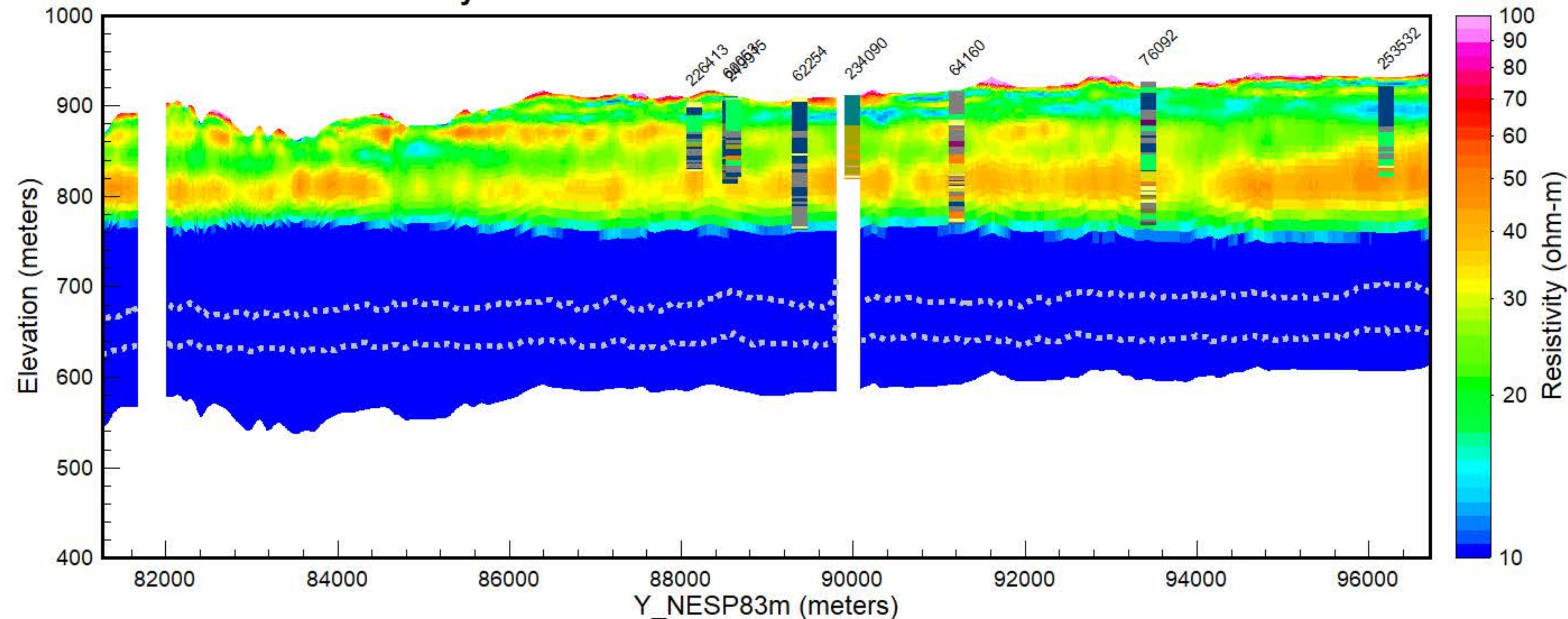
Flight Path Line L500801



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L500801



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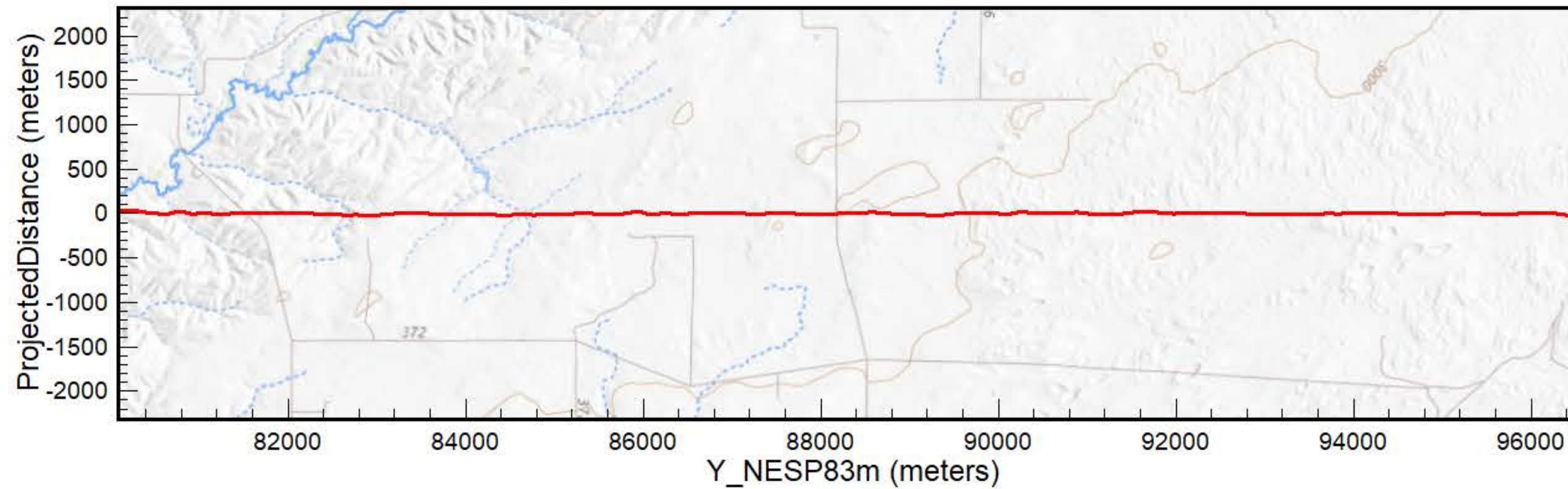
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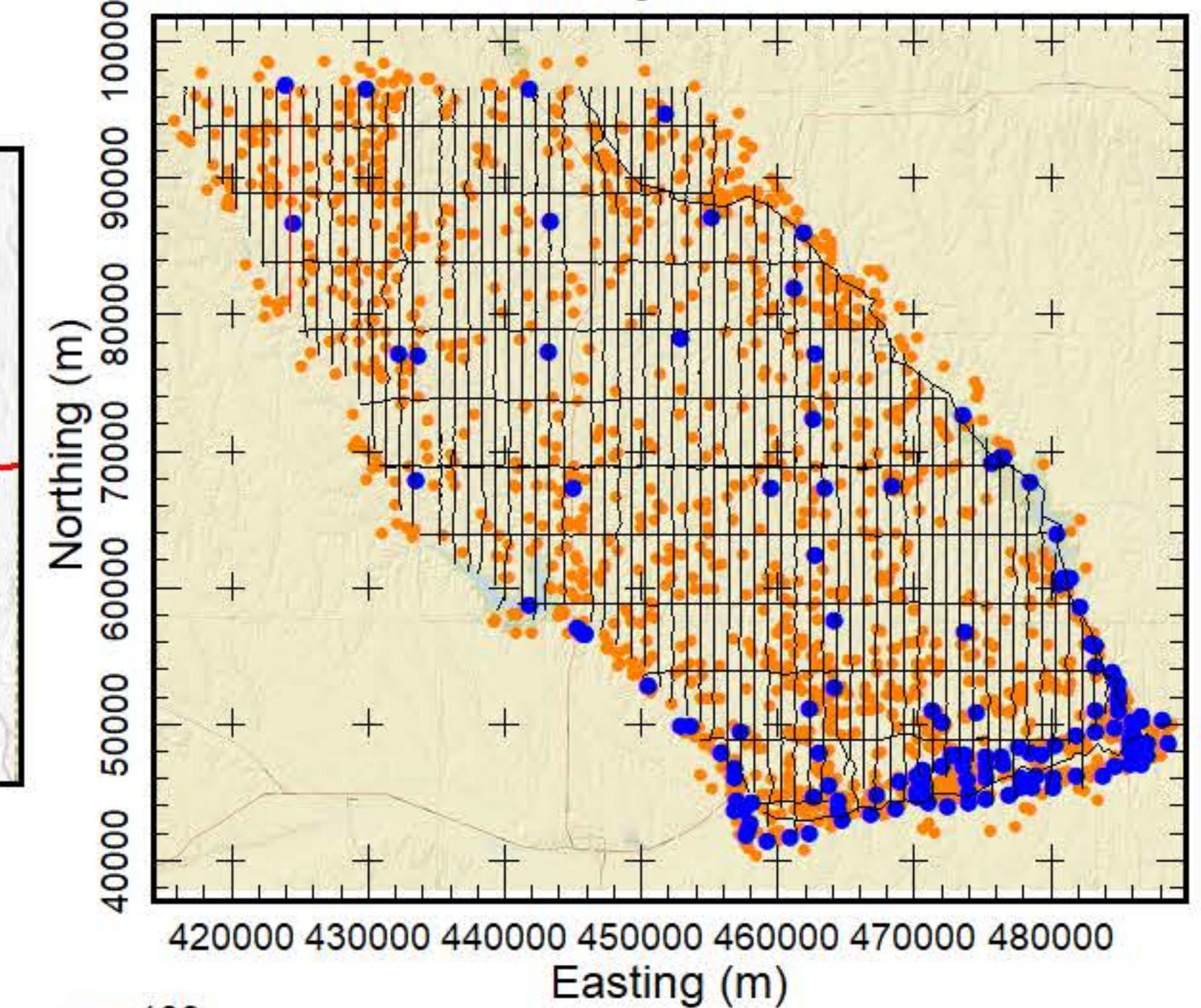




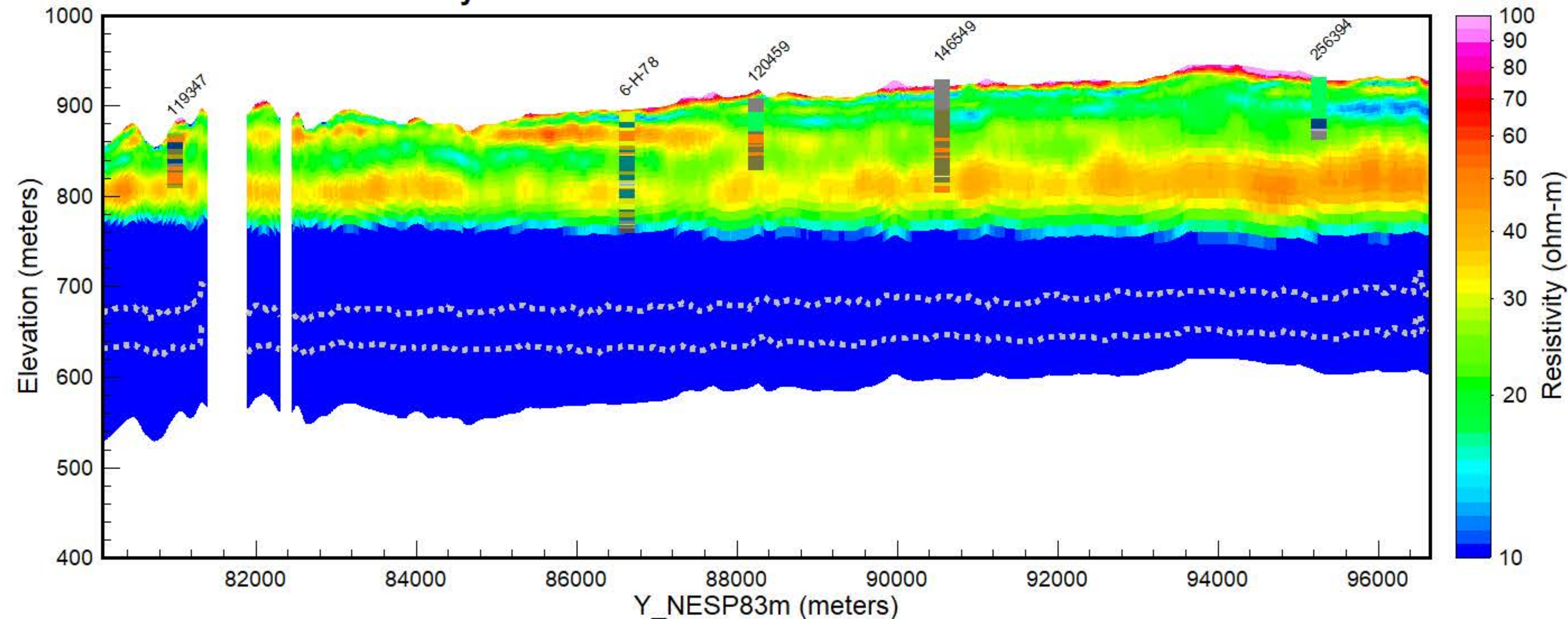
Flight Path Line L500901



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L500901



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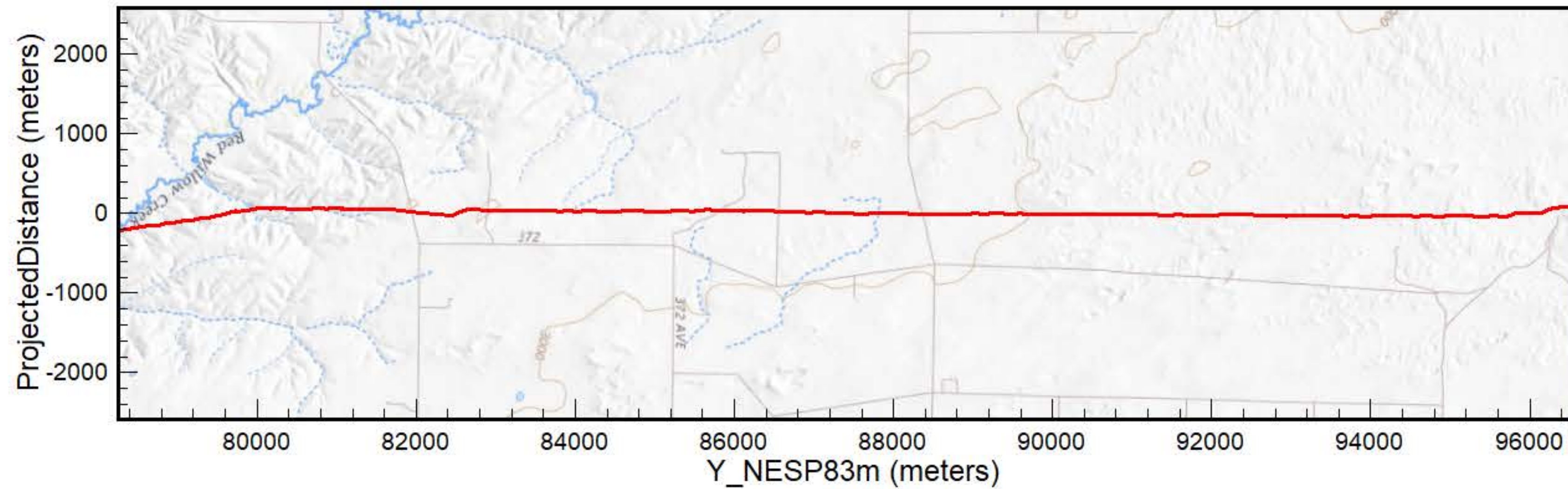
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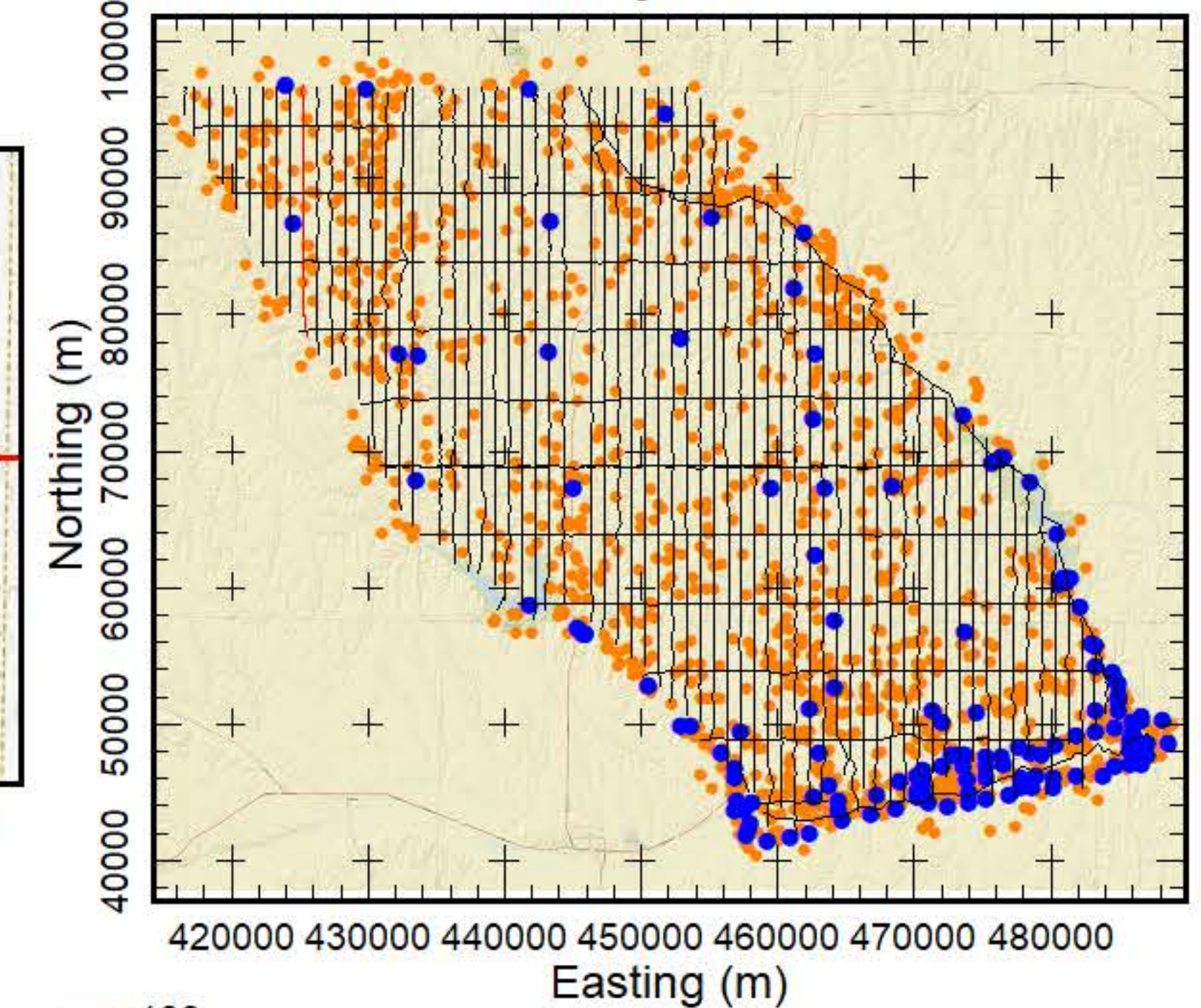




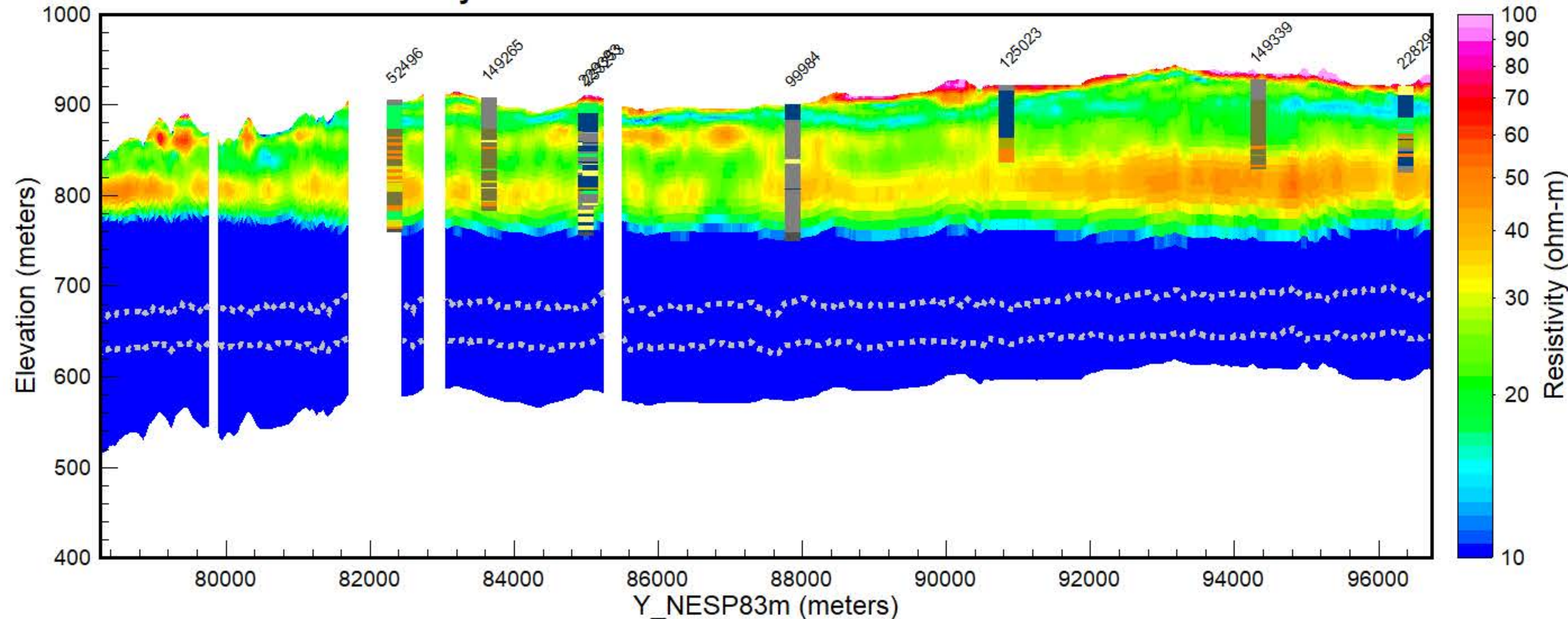
Flight Path Line L501001



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L501001



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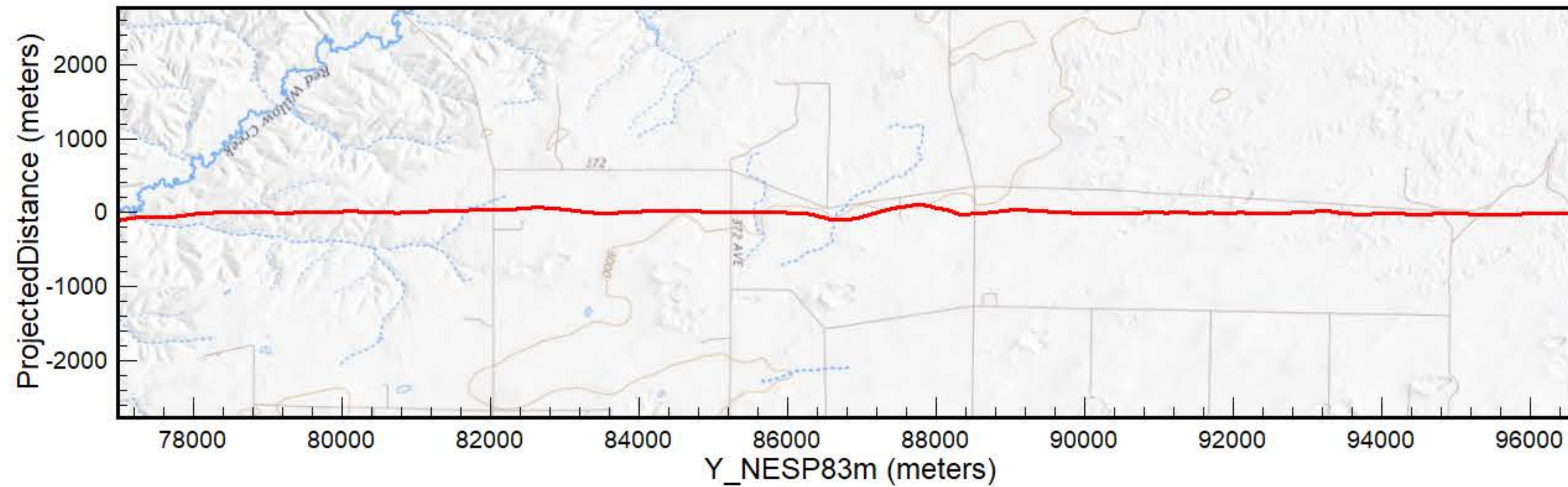
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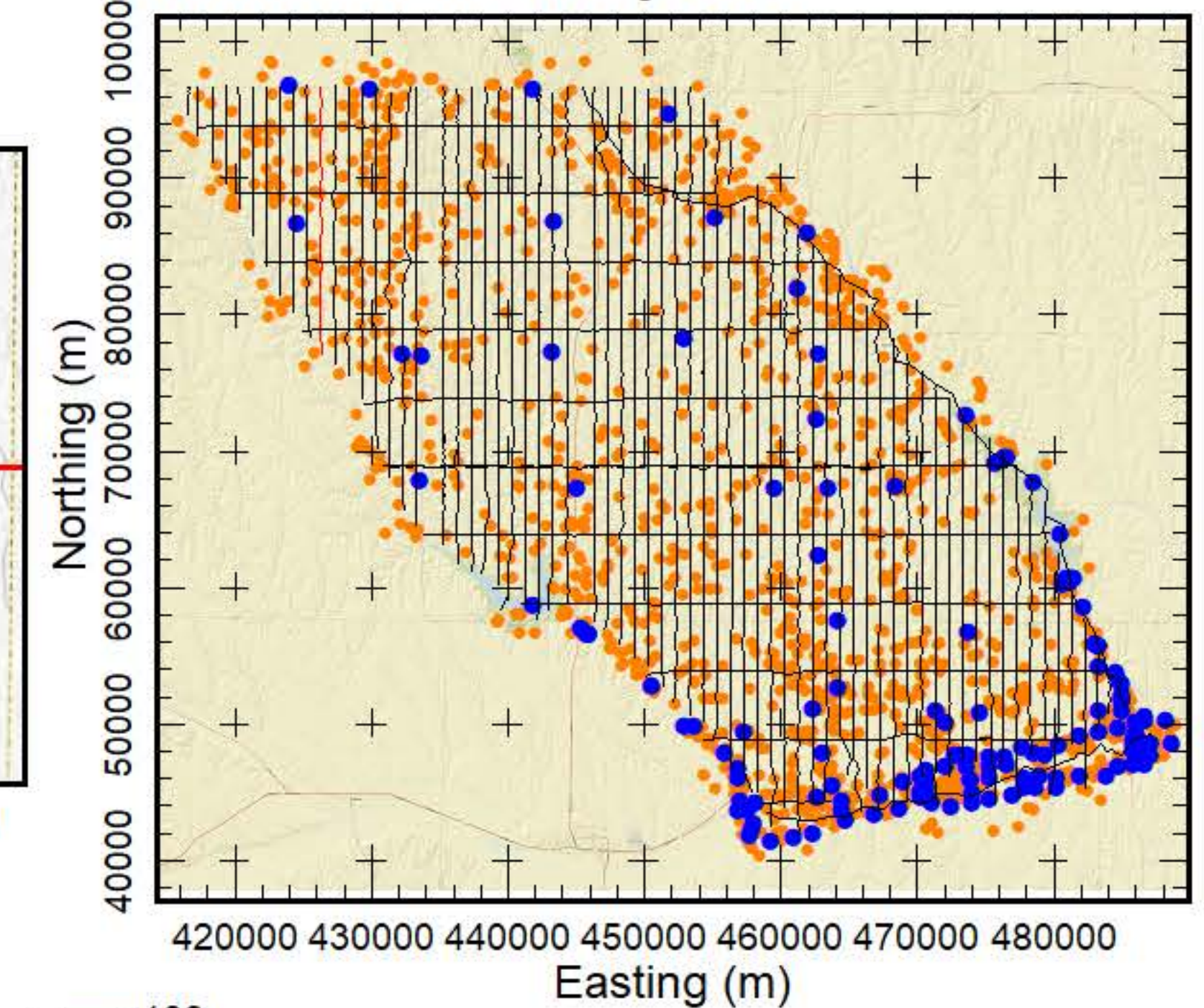




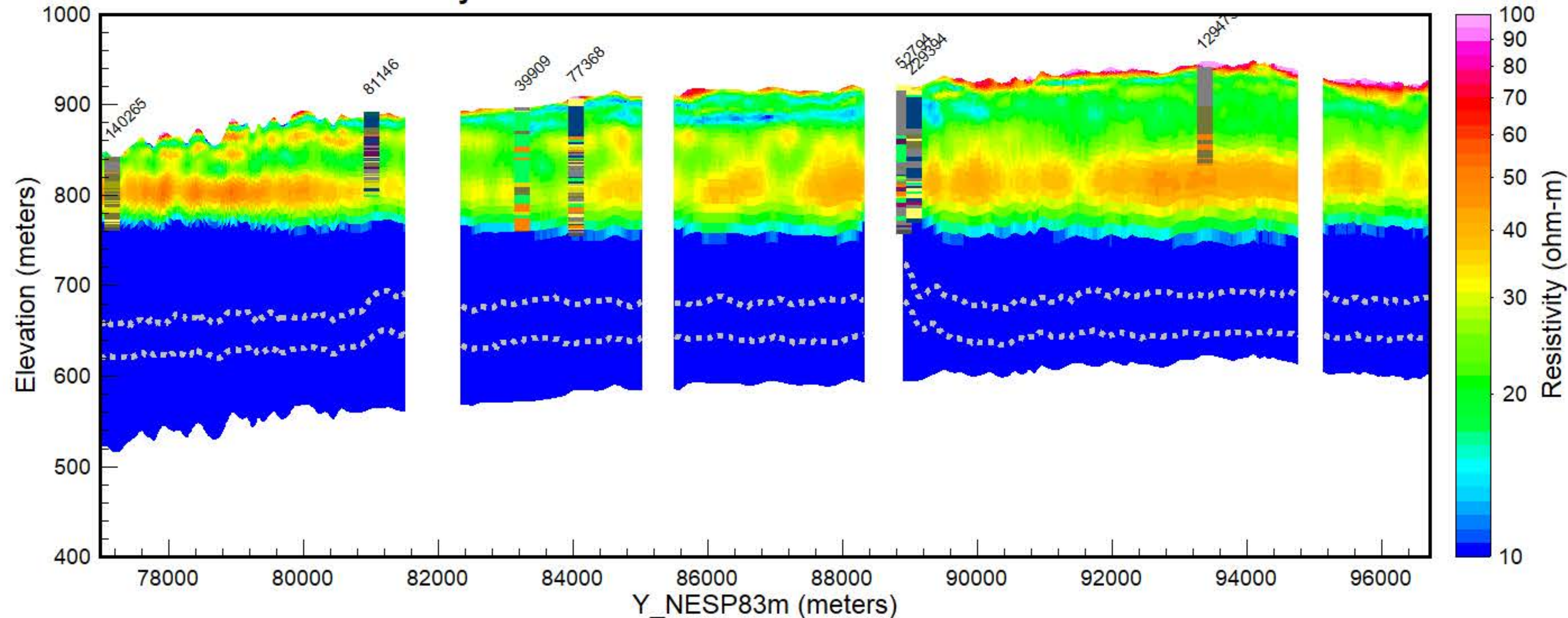
Flight Path Line L501101



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L501101



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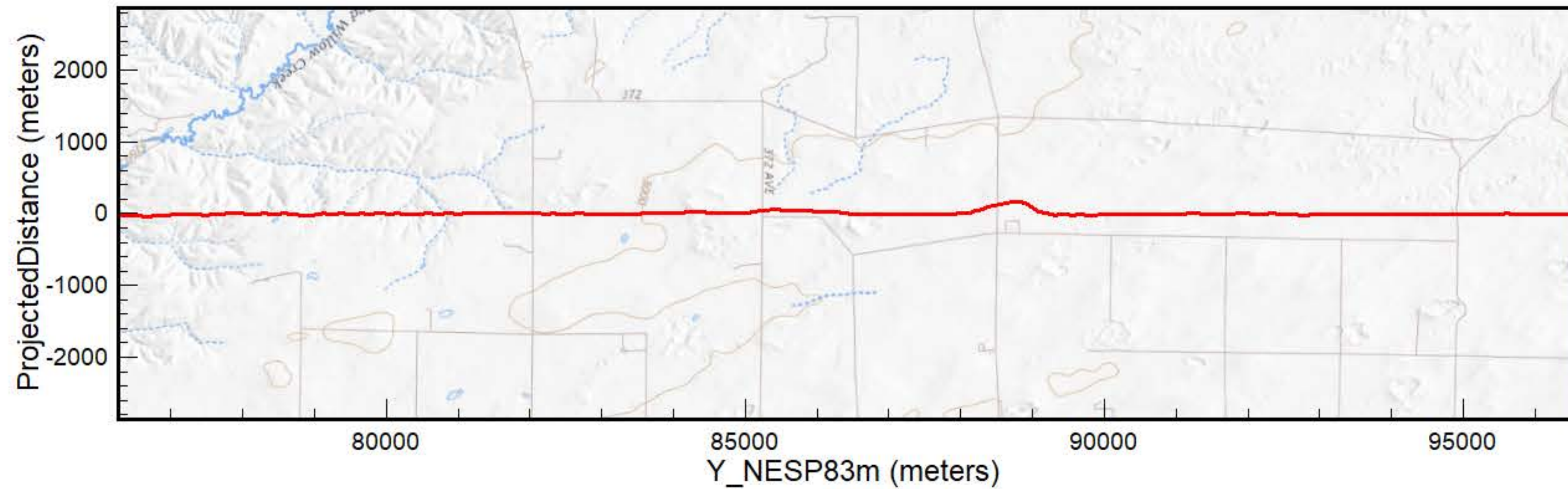
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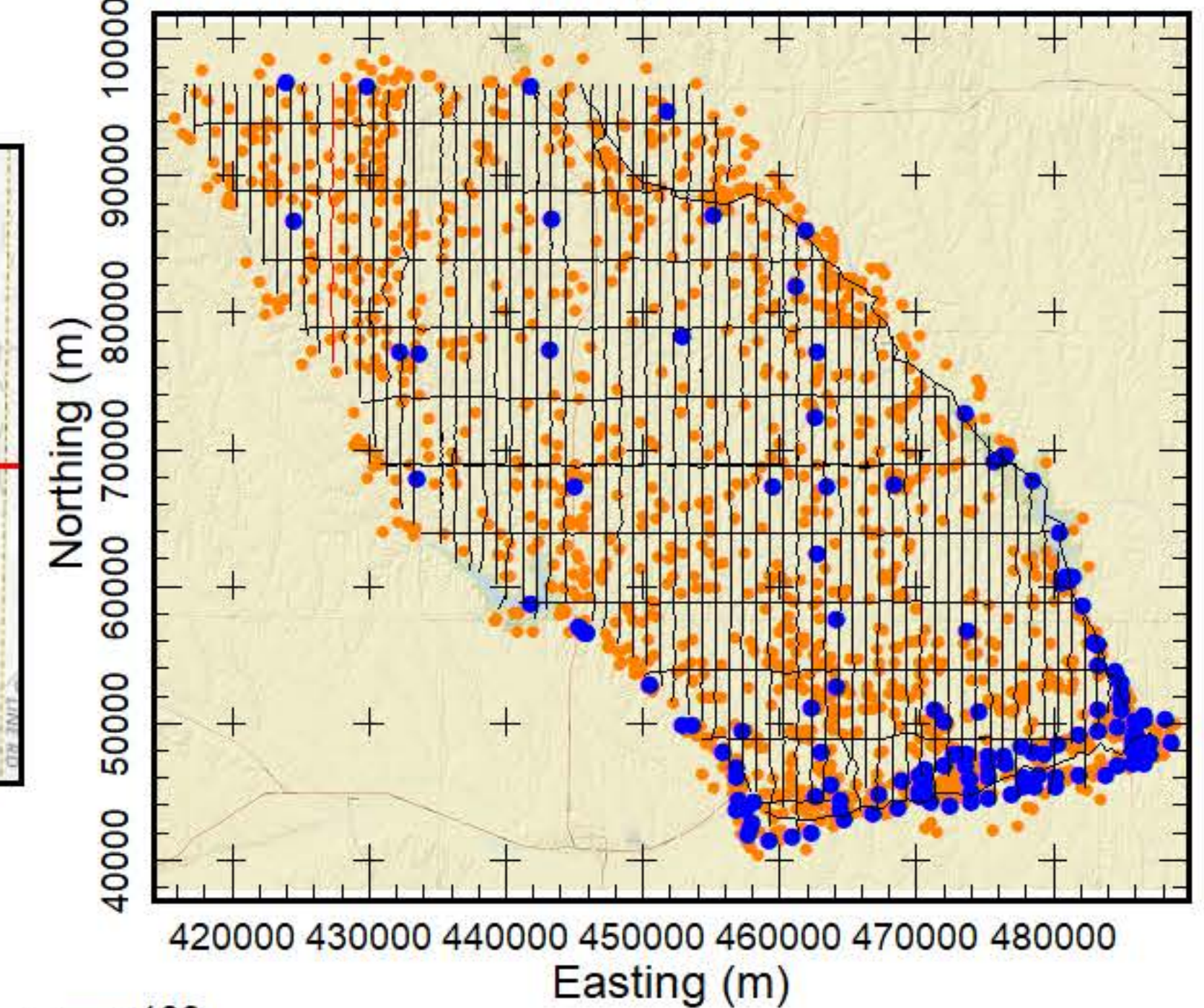
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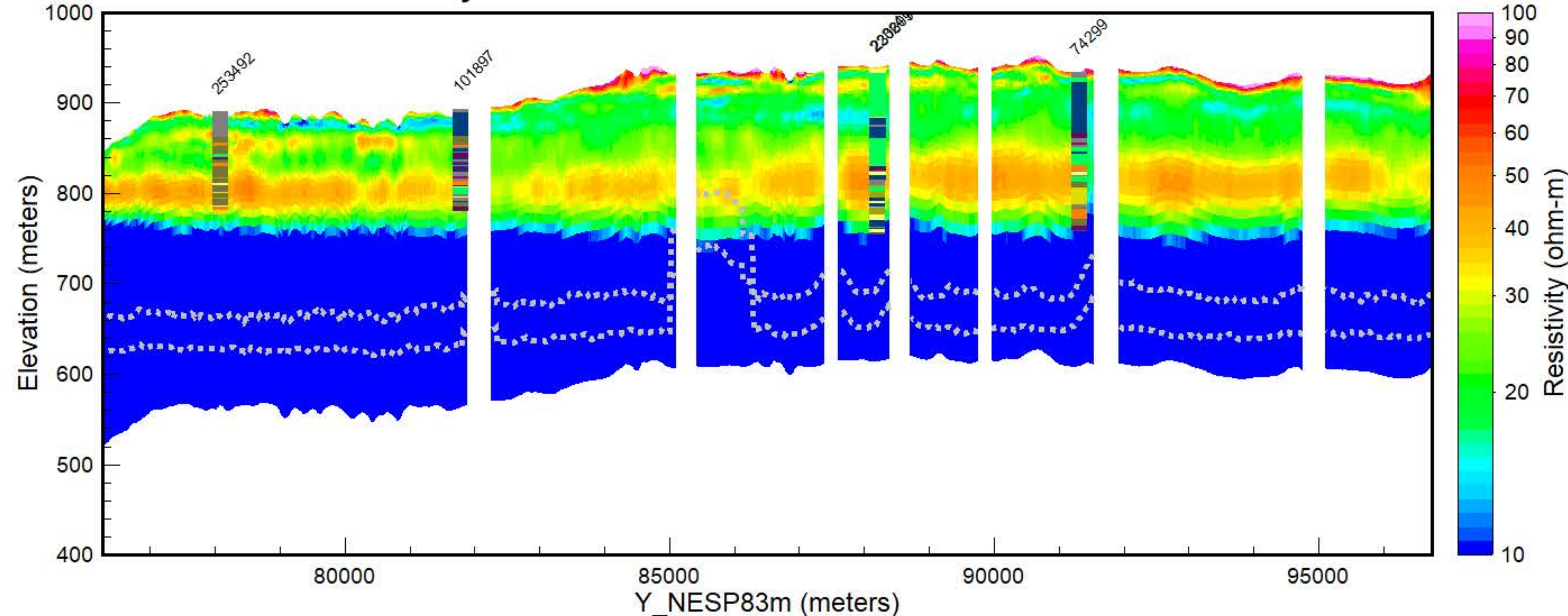
Flight Path Line L501201



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L501201



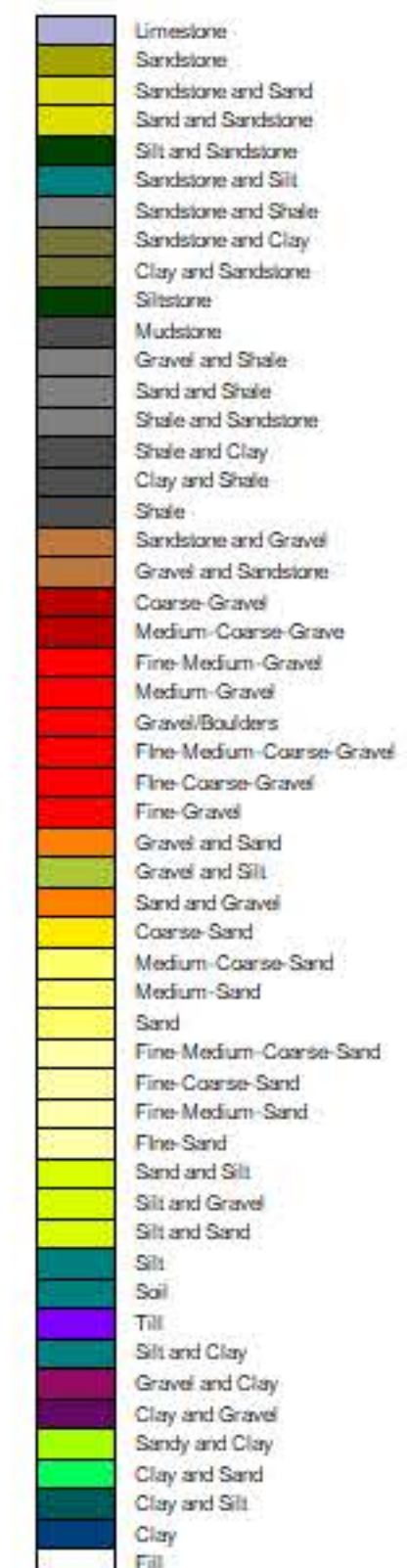
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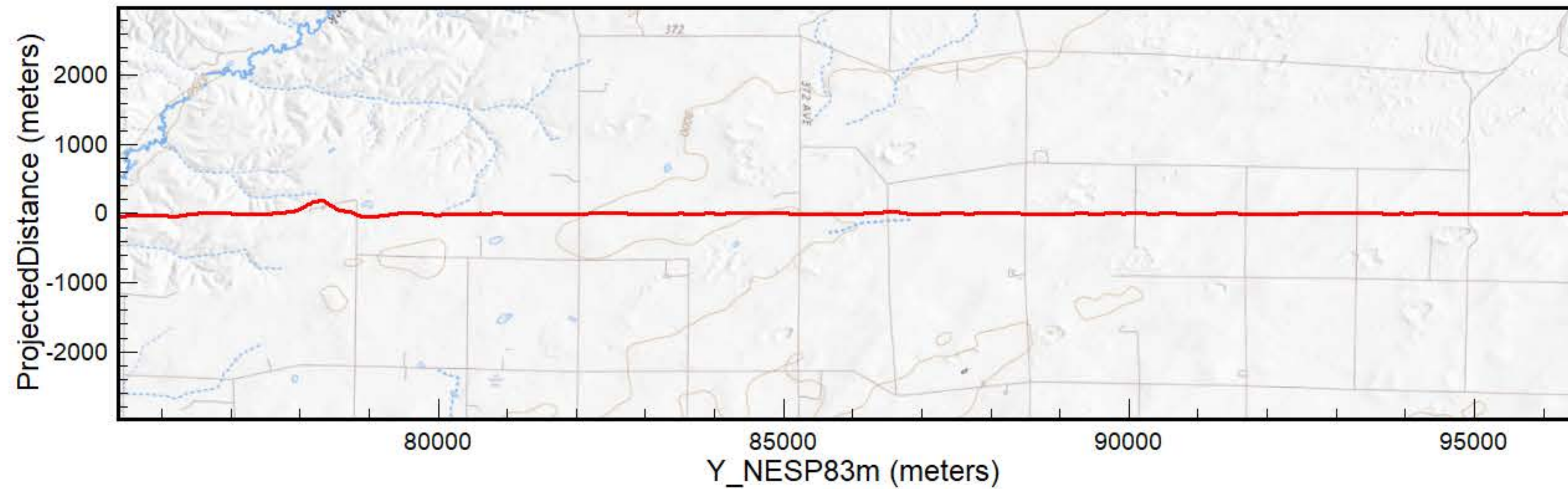
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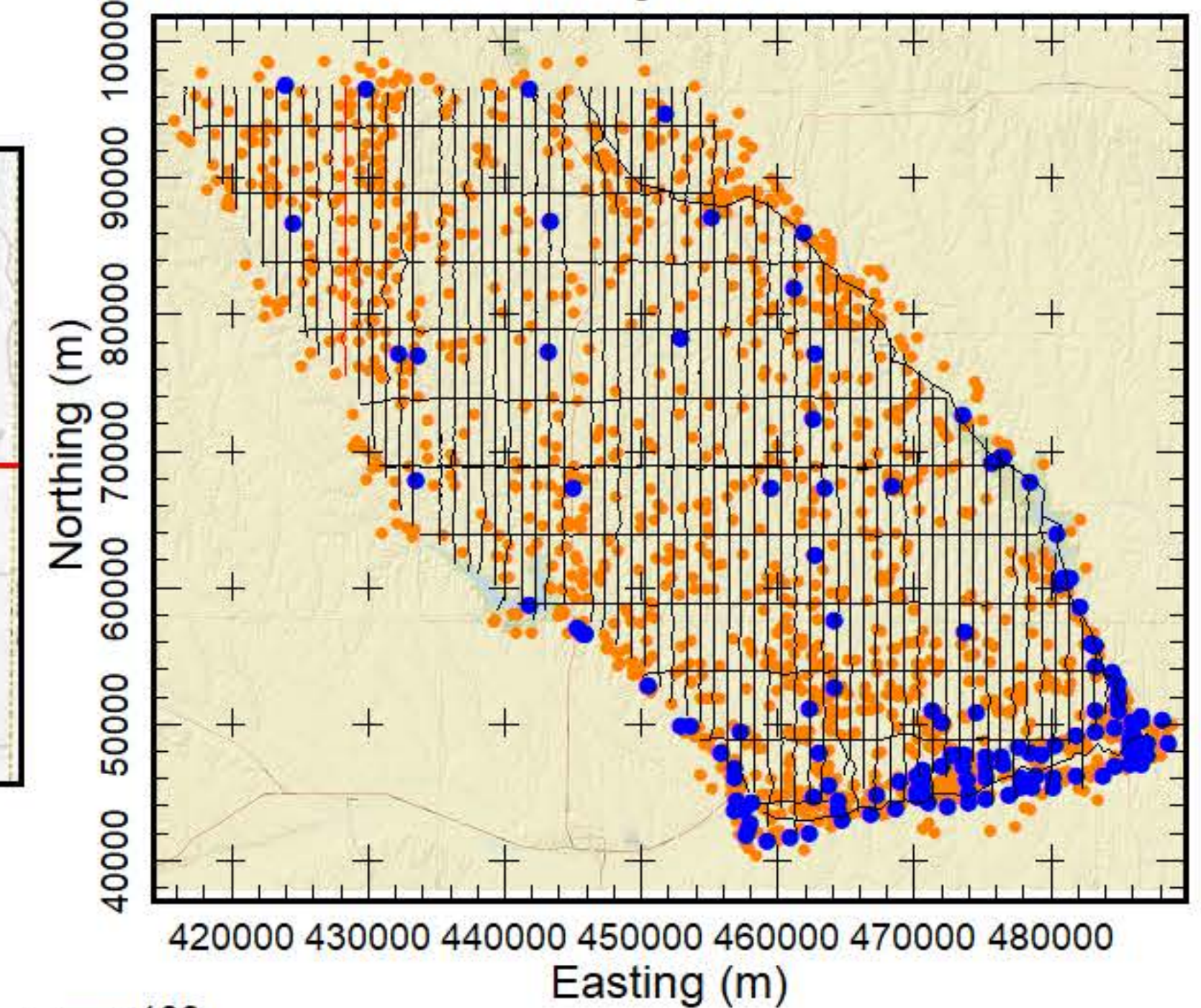




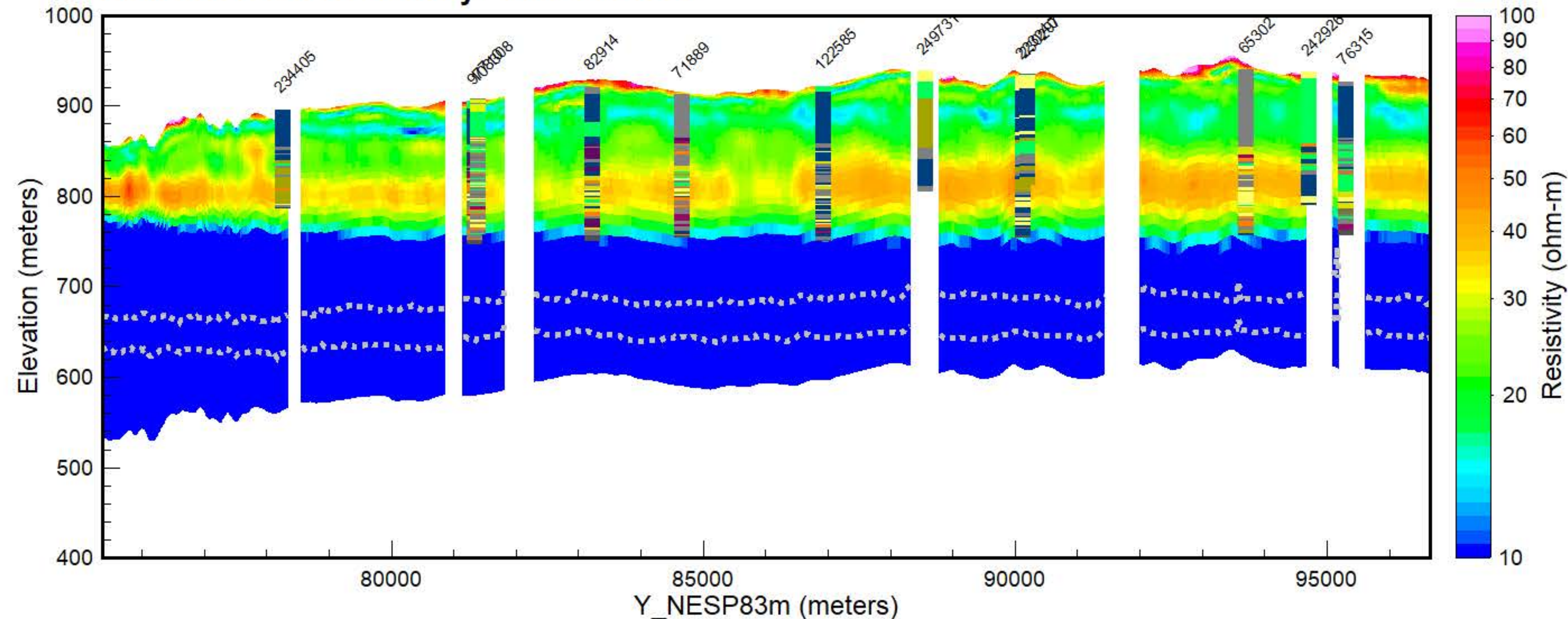
Flight Path Line L501301



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L501301



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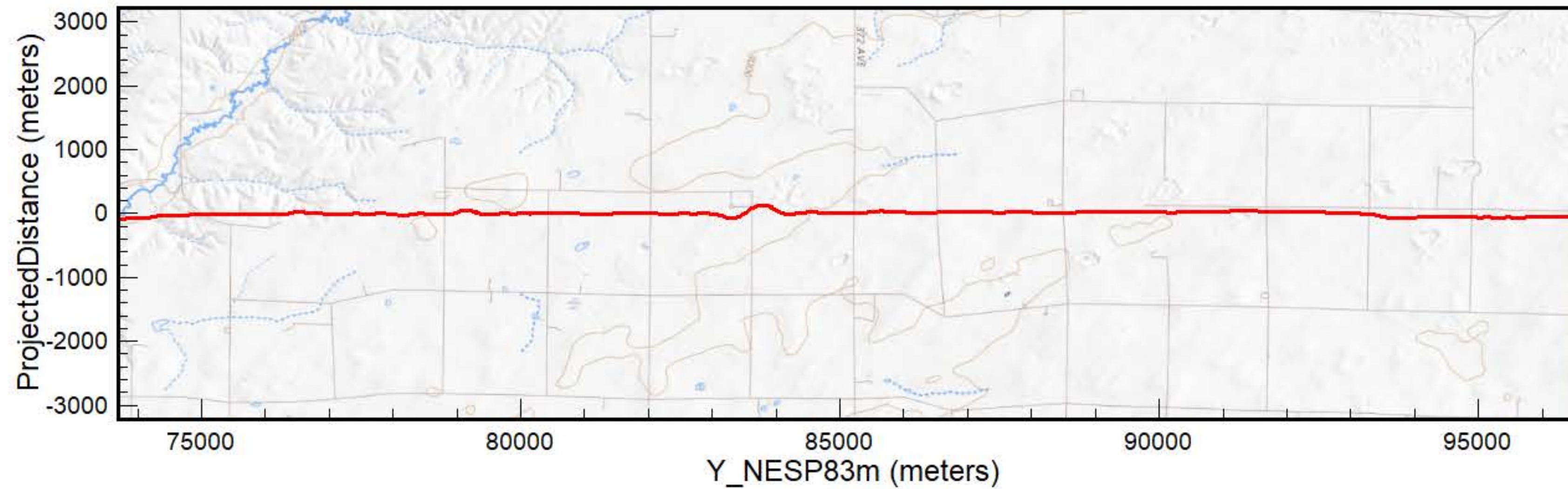
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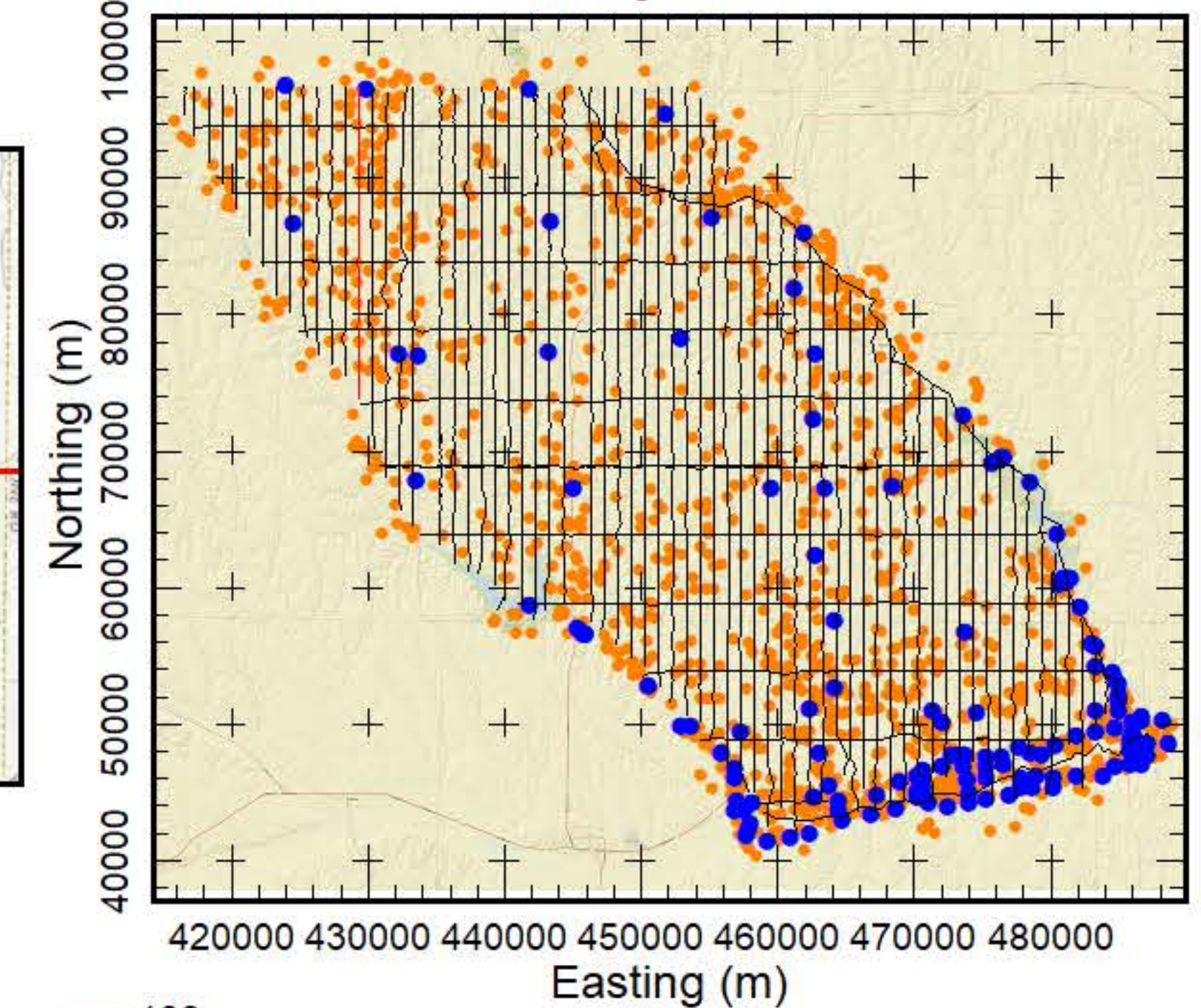




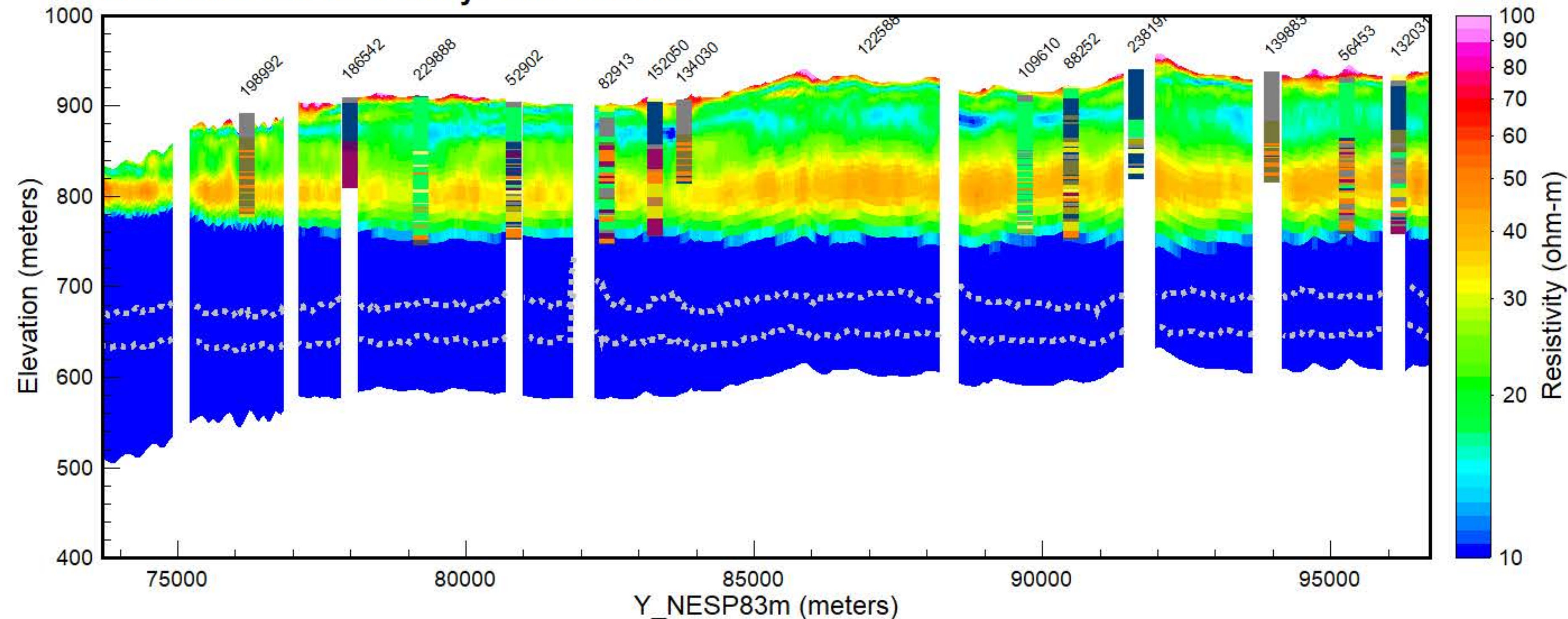
Flight Path Line L501401



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L501401



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

The red line on the Flight Path Map (USGS 100K Topo Map) indicates the location of the data collection.

The MRNRD AEM Survey Area map displays the total survey lines as black lines with the current flight line highlighted in red on a general map of the area. The blue dots represent the Conservation Survey Division (CSD) test holes public website downloaded on June 19, 2022 and the orange dots represent the Nebraska Department of Natural Resources (NE-DNR) Registered well database downloaded June 23, 2022.

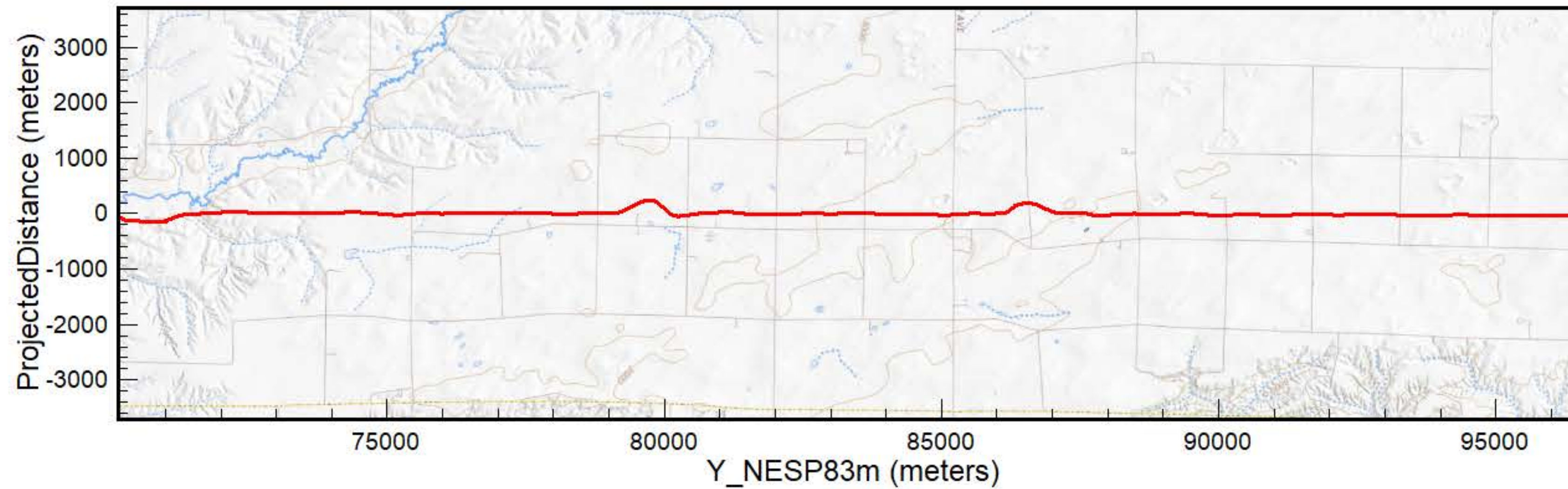
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Prepared for the MRNRD by Aqua Geo Frameworks, LLC.

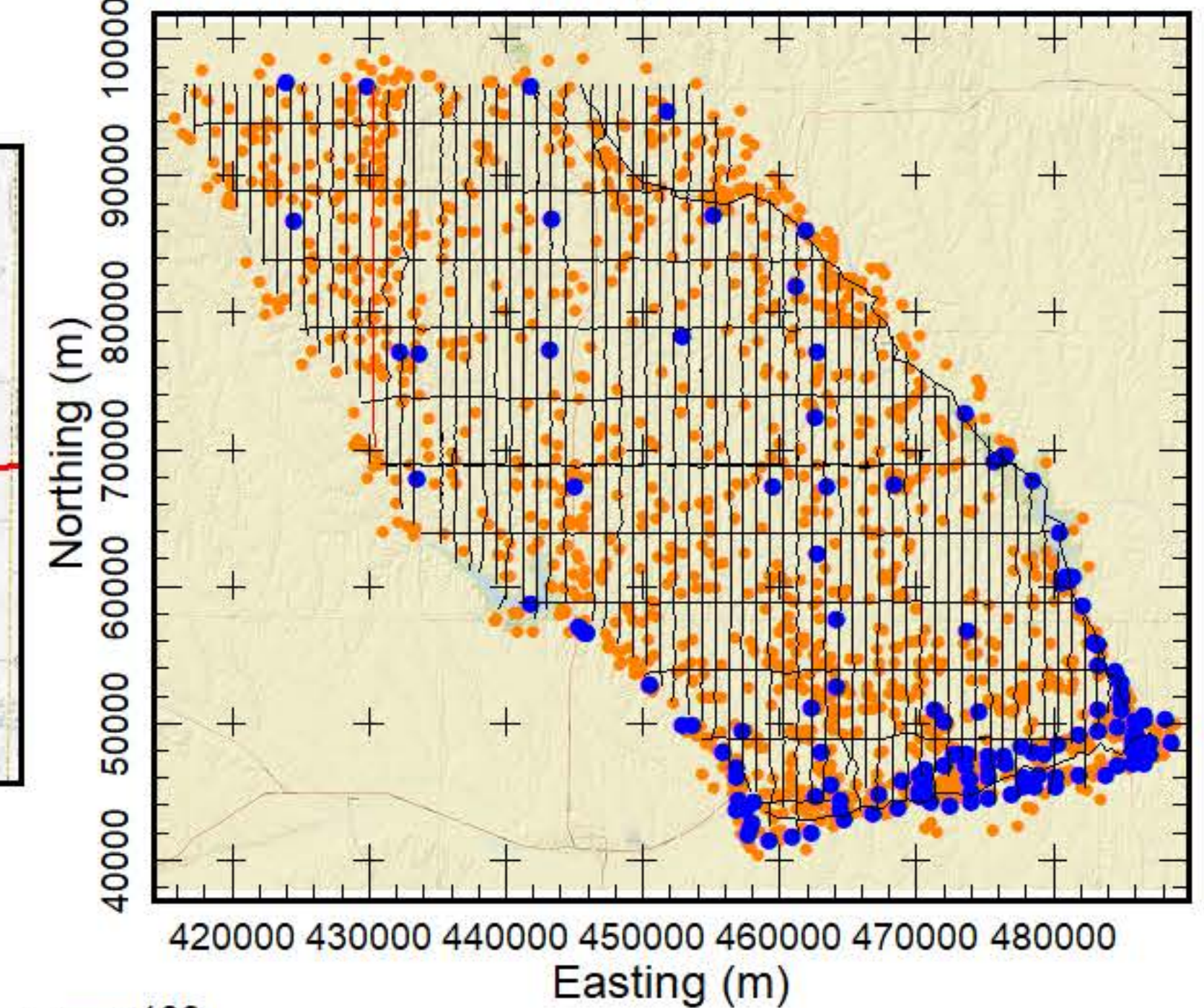




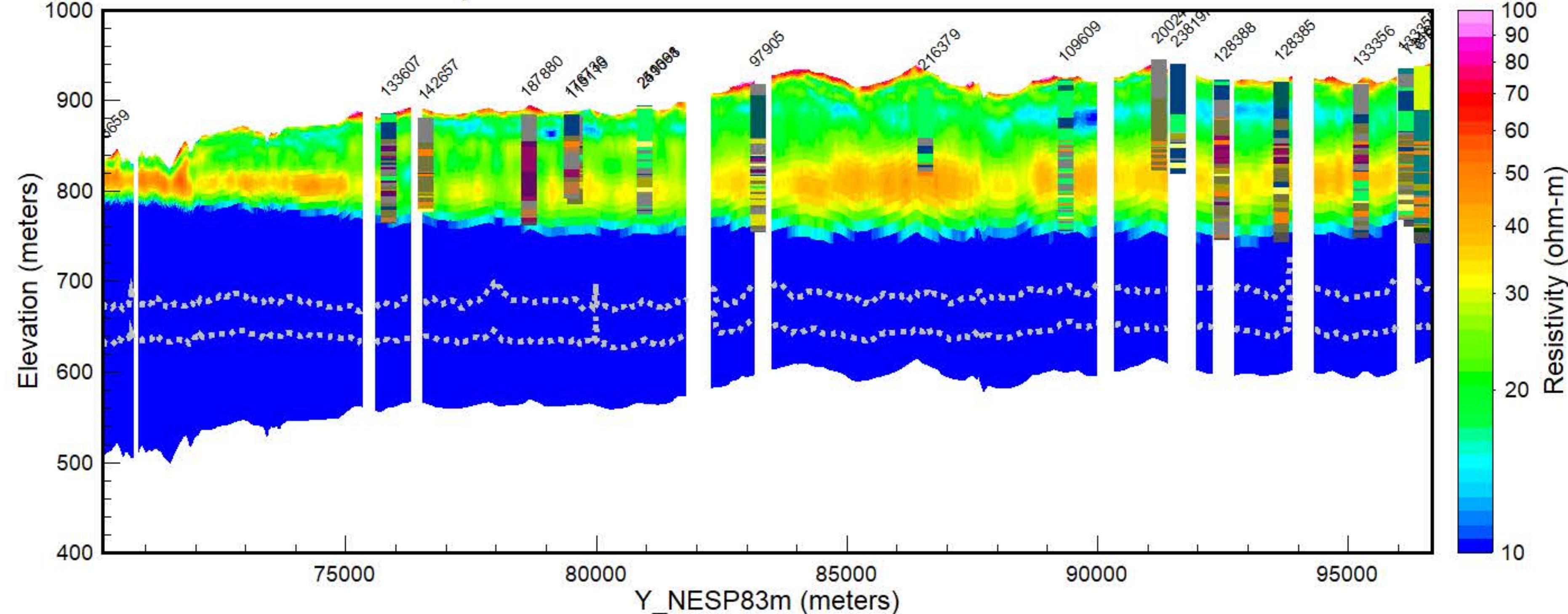
Flight Path Line L501501



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L501501



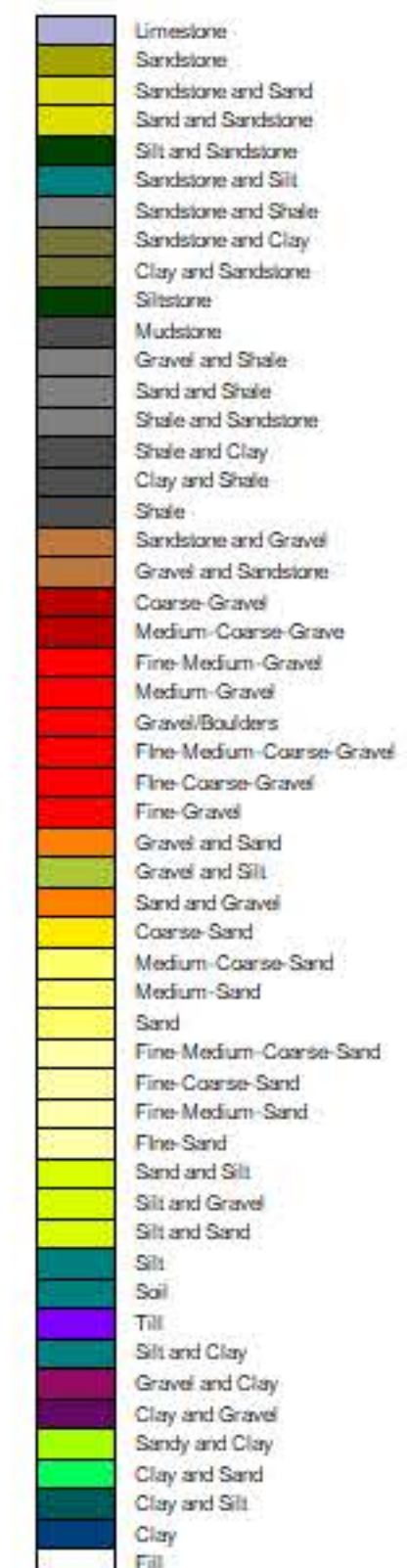
Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

The red line on the Flight Path Map (USGS 100K Topo Map) indicates the location of the data collection.

The MRNRD AEM Survey Area map displays the total survey lines as black lines with the current flight line highlighted in red on a general map of the area. The blue dots represent the Conservation Survey Division (CSD) test holes public website downloaded on June 19, 2022 and the orange dots represent the Nebraska Department of Natural Resources (NE-DNR) Registered well database downloaded June 23, 2022.

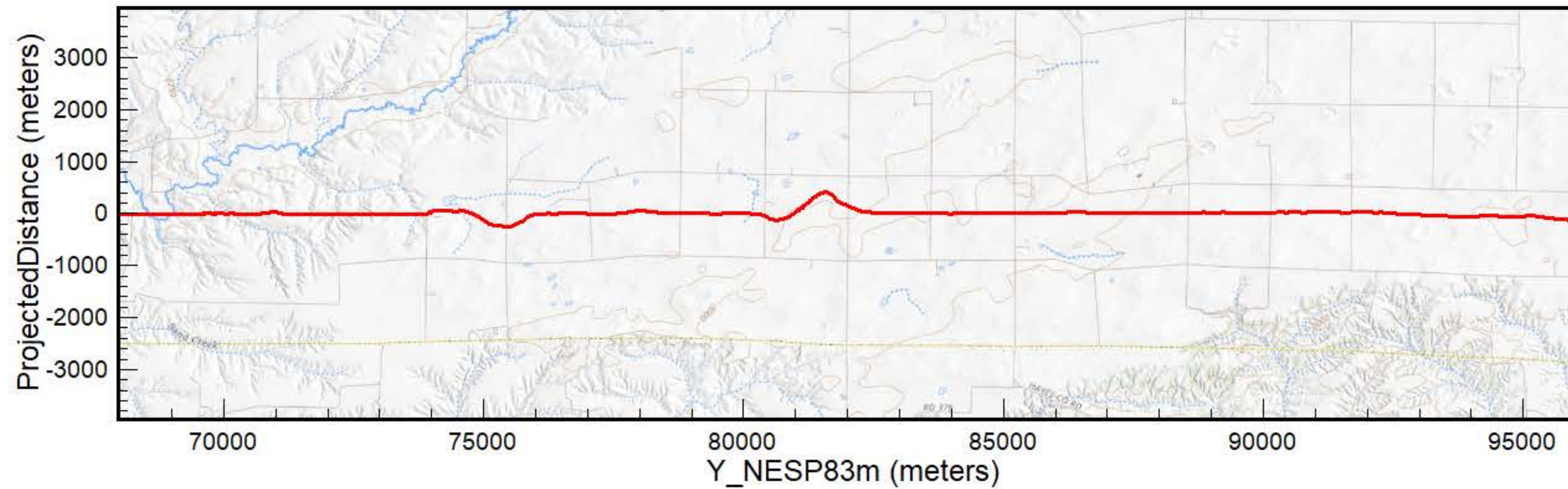
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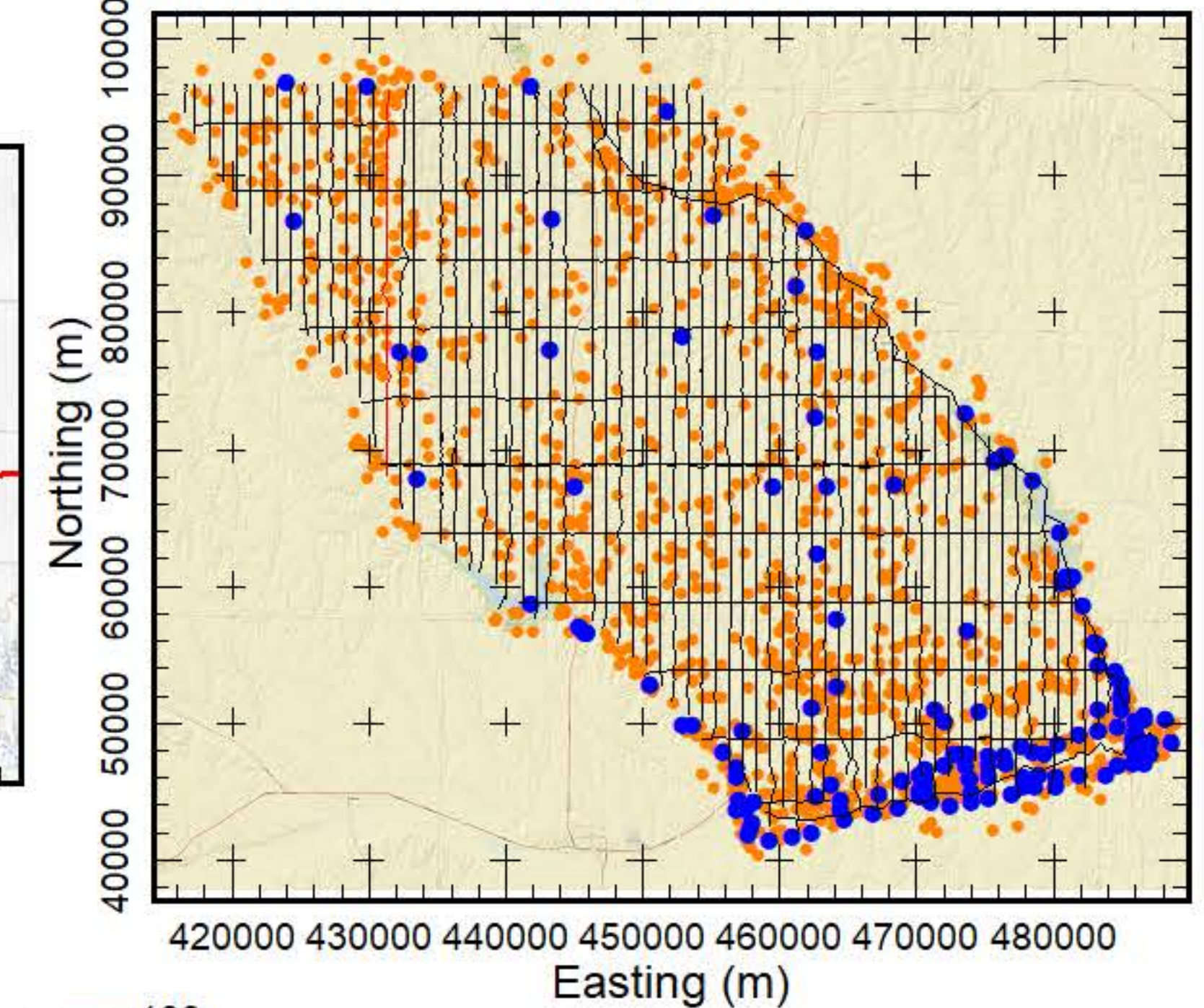




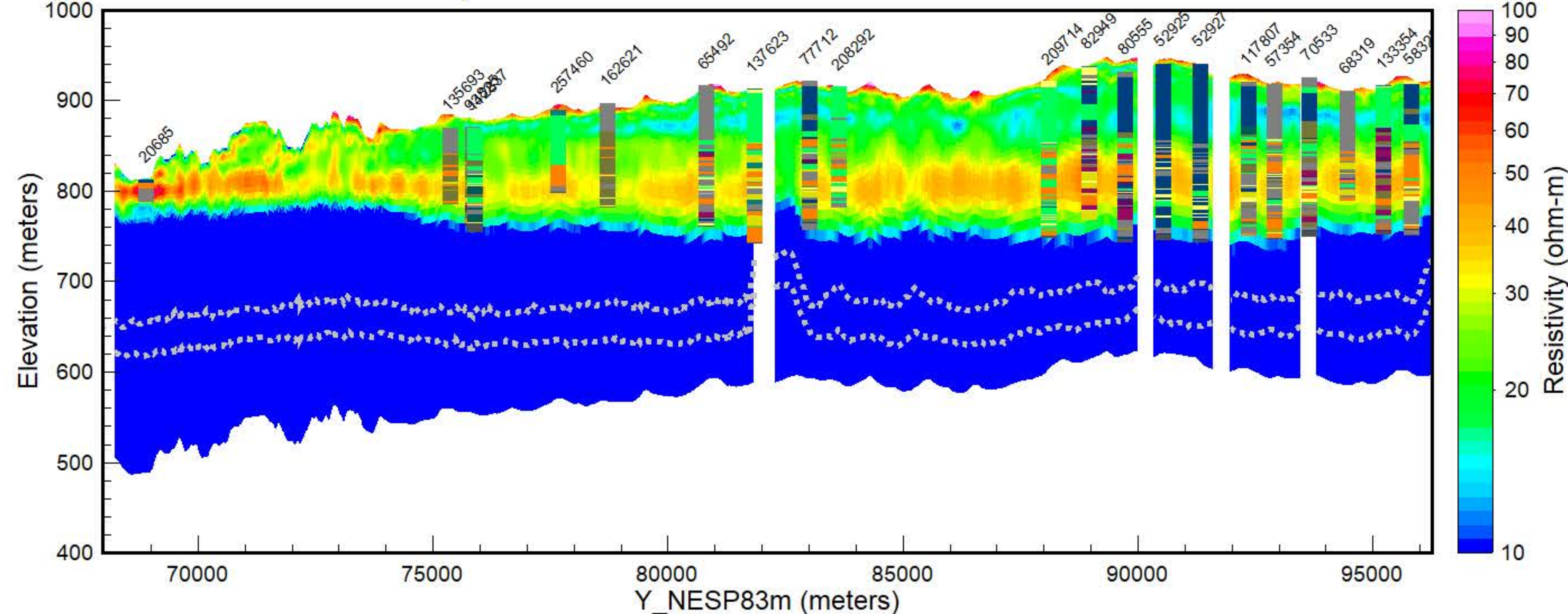
Flight Path Line L501601



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L501601



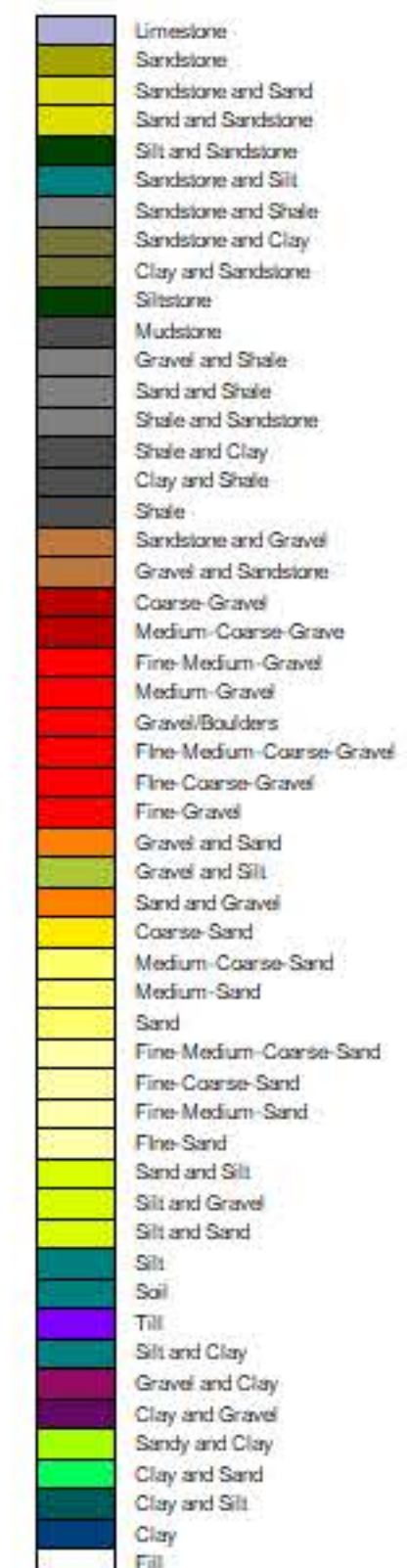
Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

The red line on the Flight Path Map (USGS 100K Topo Map) indicates the location of the data collection.

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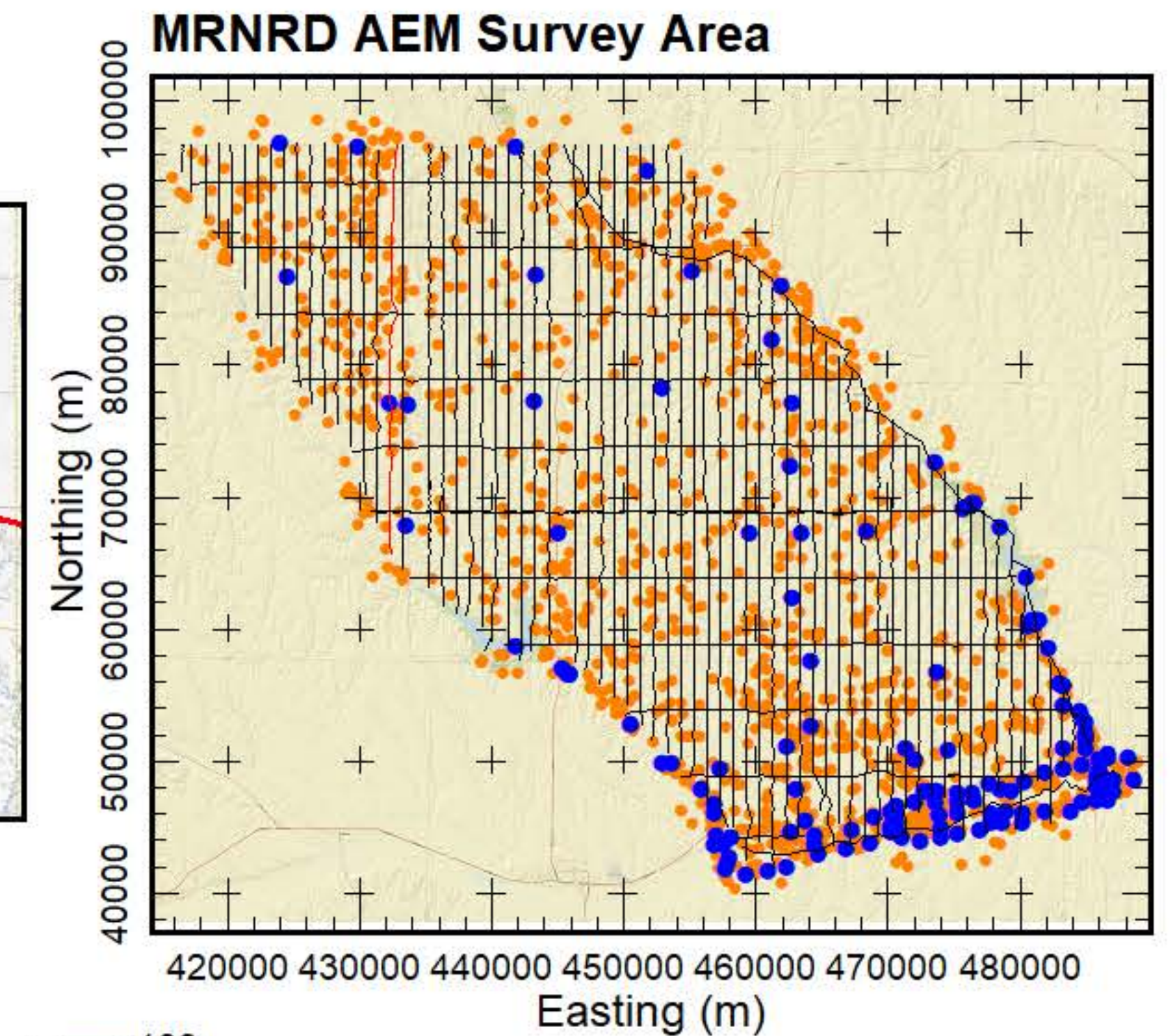
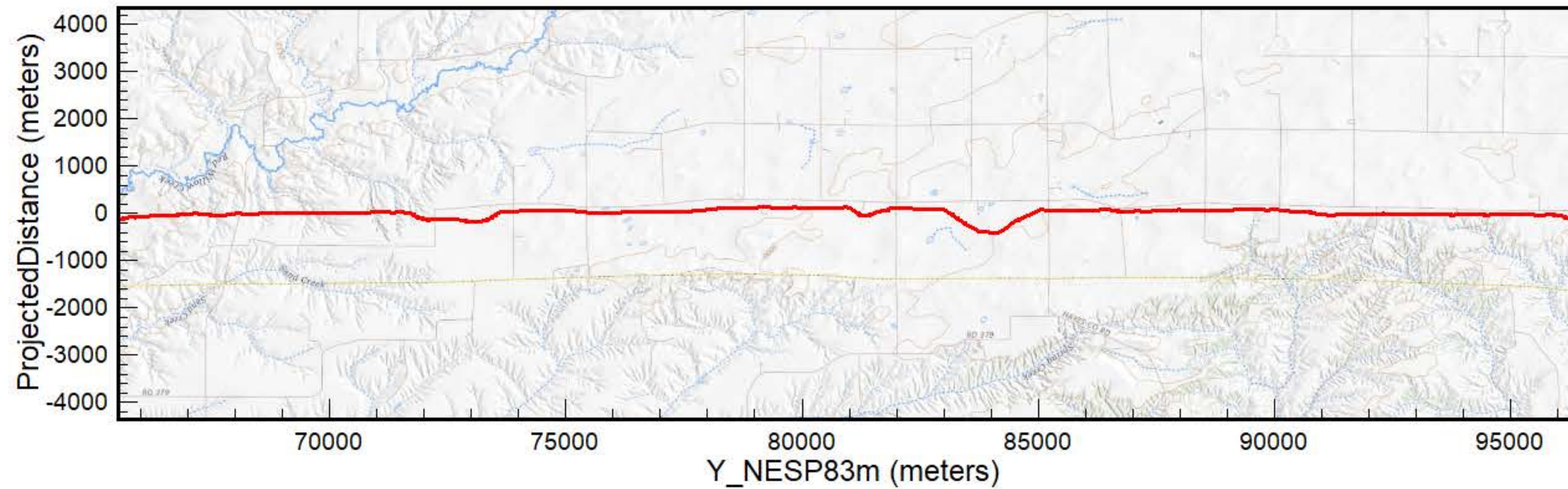
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Prepared for the MRNRD by Aqua Geo Frameworks, LLC.

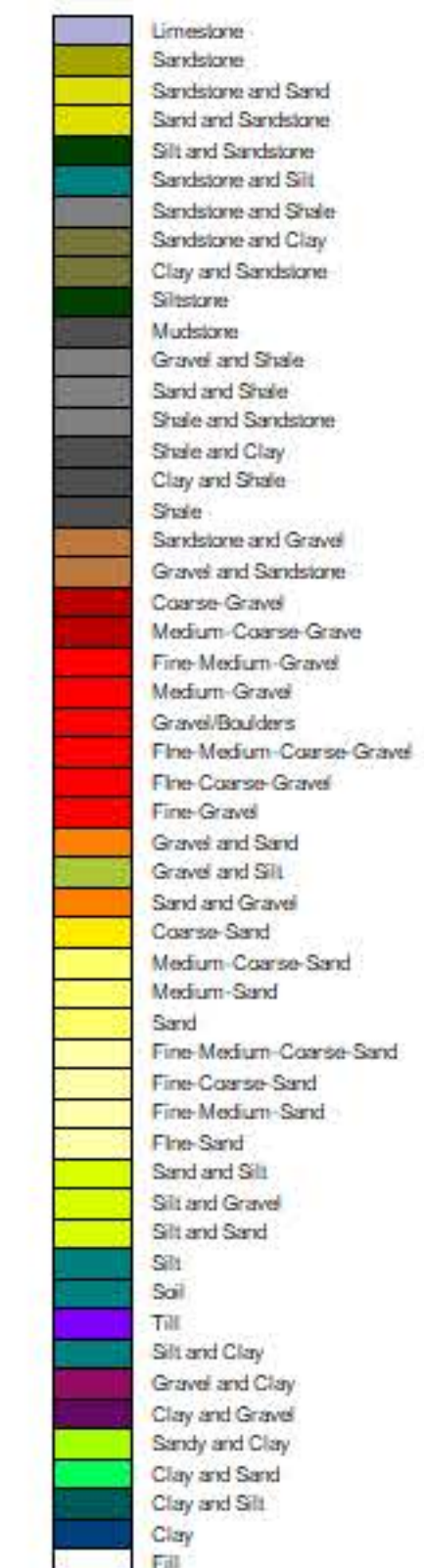
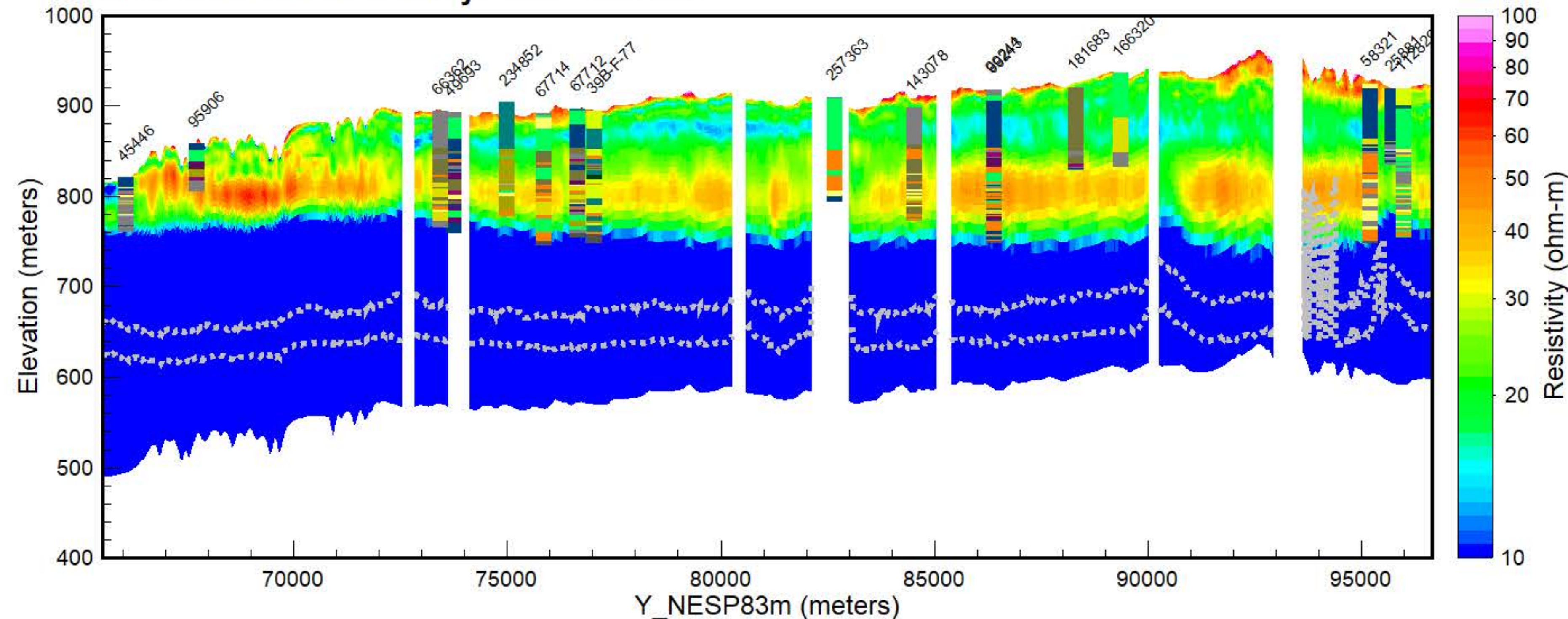




Flight Path Line L501701



AEM Inversion Resistivity Line L501701



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

The red line on the Flight Path Map (USGS 100K Topo Map) indicates the location of the data collection.

The MRNRD AEM Survey Area map displays the total survey lines as black lines with the current flight line highlighted in red on a general map of the area. The blue dots represent the Conservation Survey Division (CSD) test holes public website downloaded on June 19, 2022 and the orange dots represent the Nebraska Department of Natural Resources (NE-DNR) Registered well database downloaded June 23, 2022.

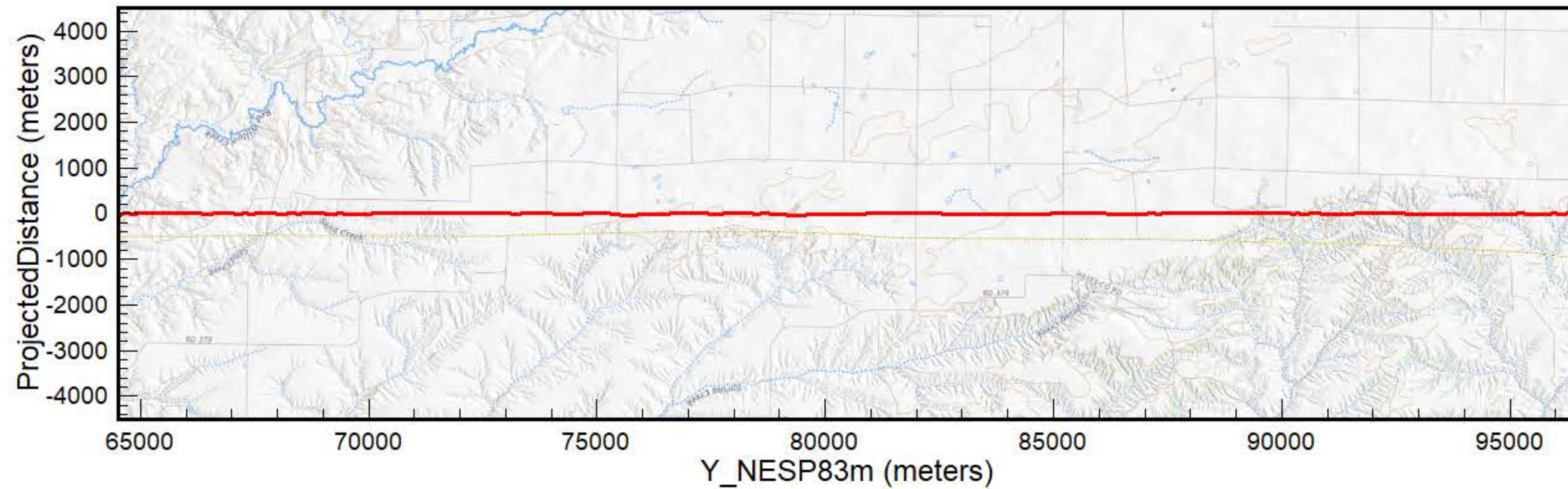
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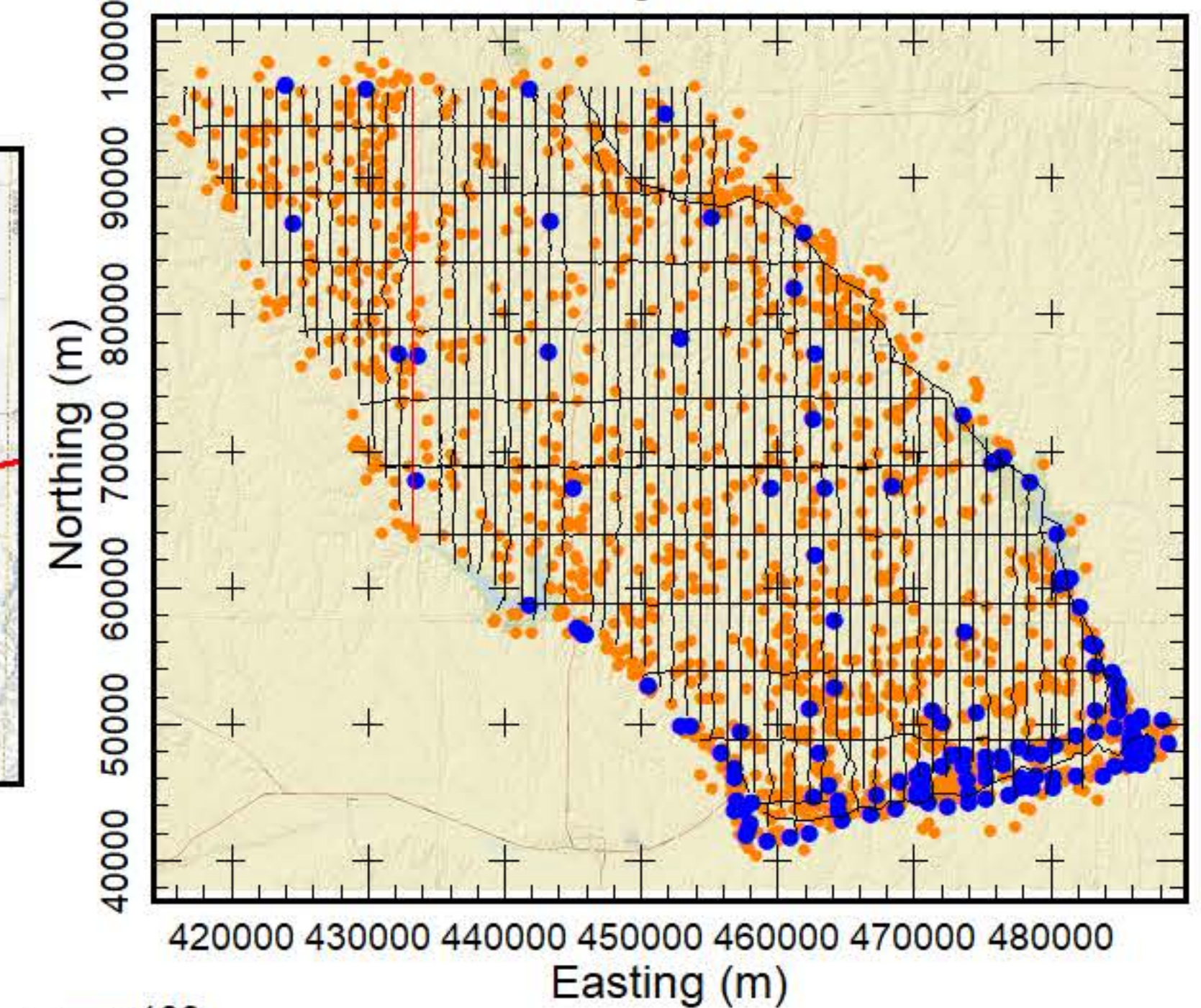




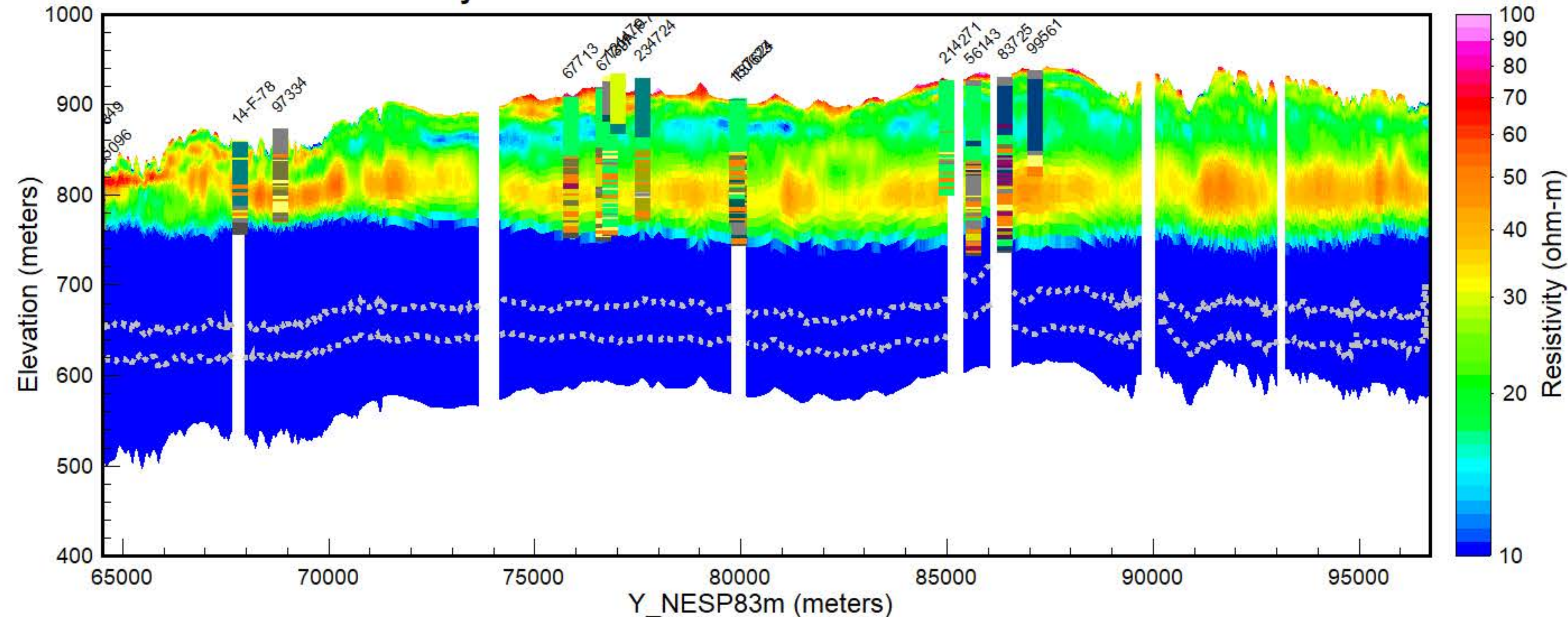
Flight Path Line L501801



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L501801



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

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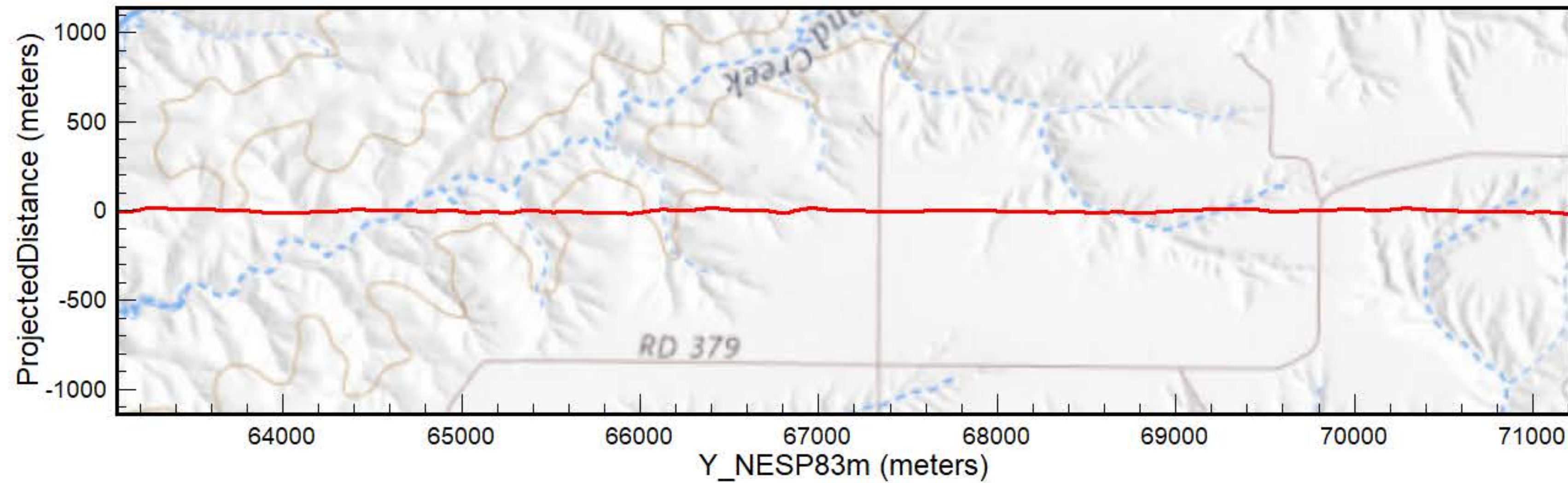
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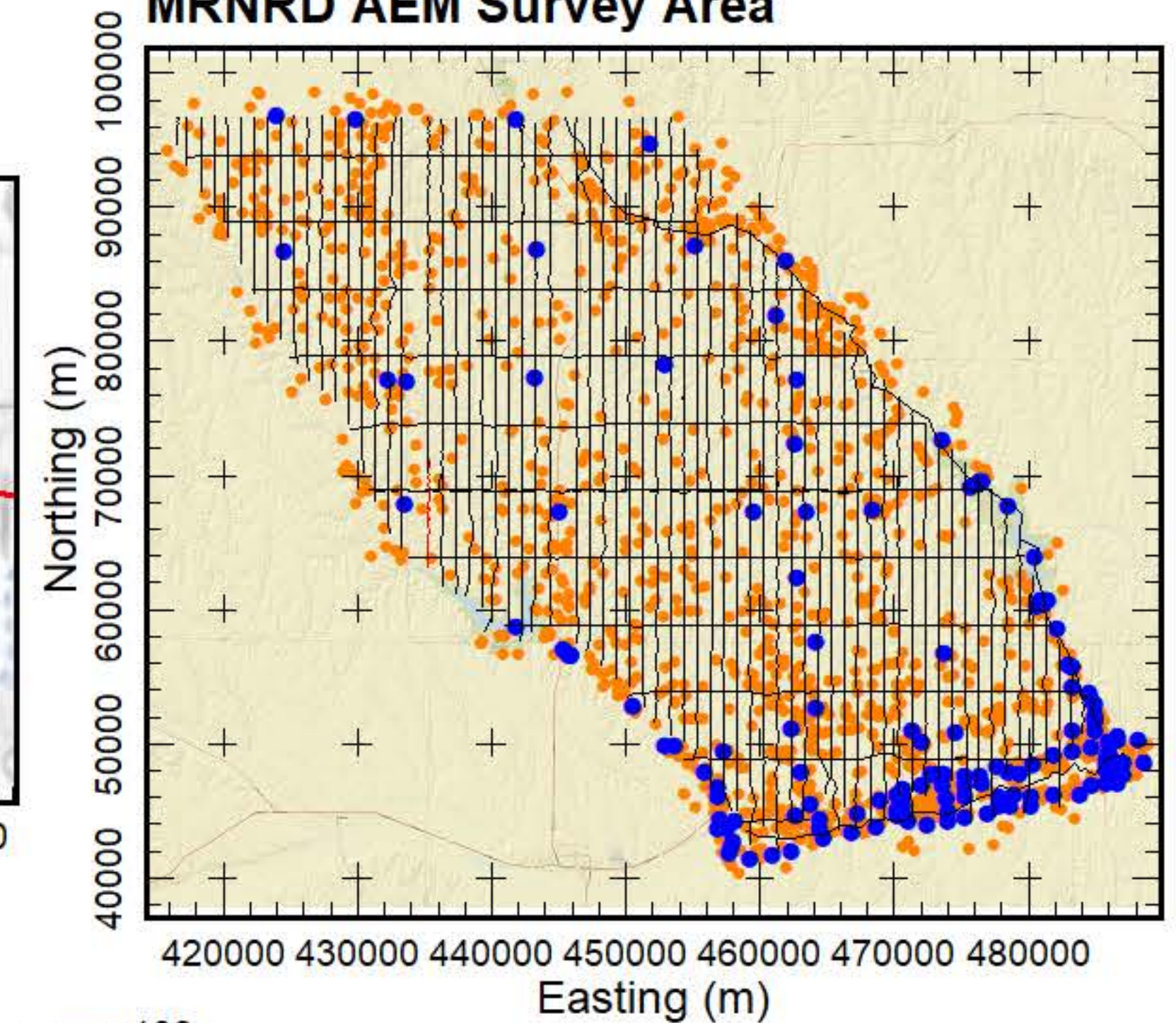




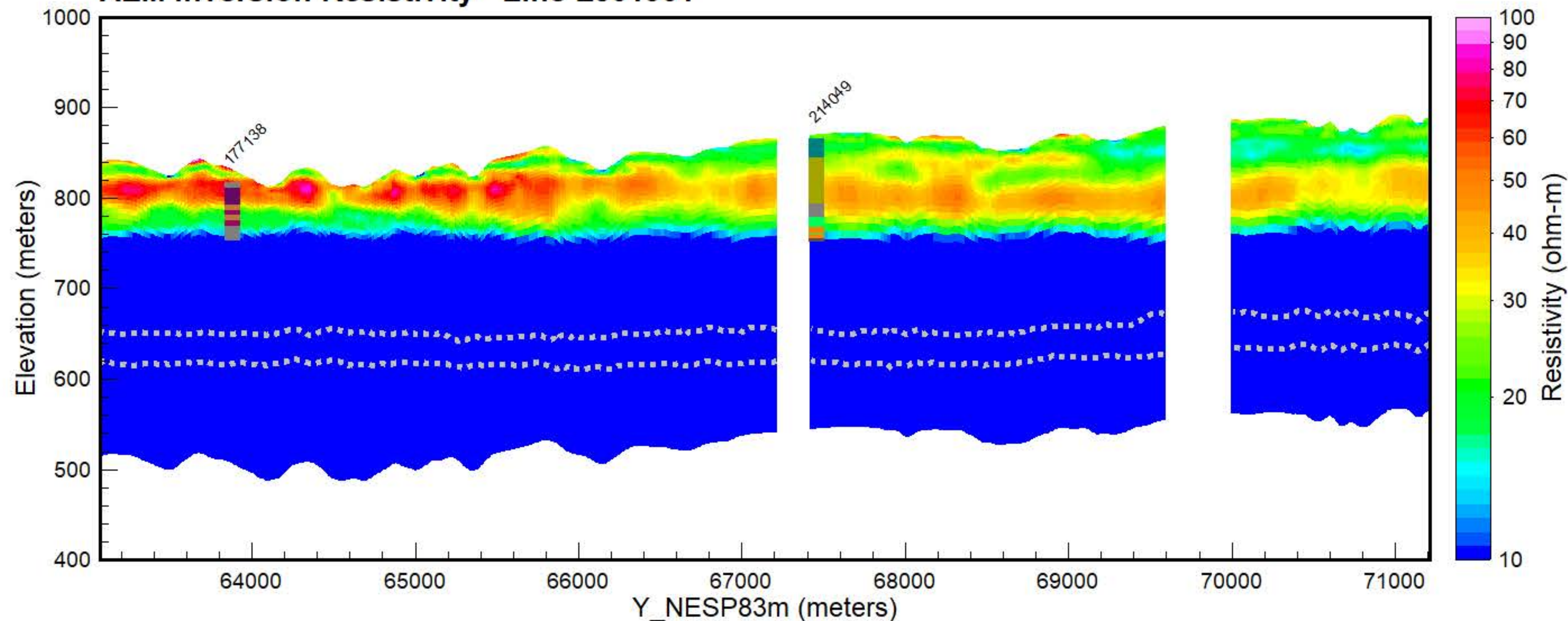
Flight Path Line L501901



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L501901



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

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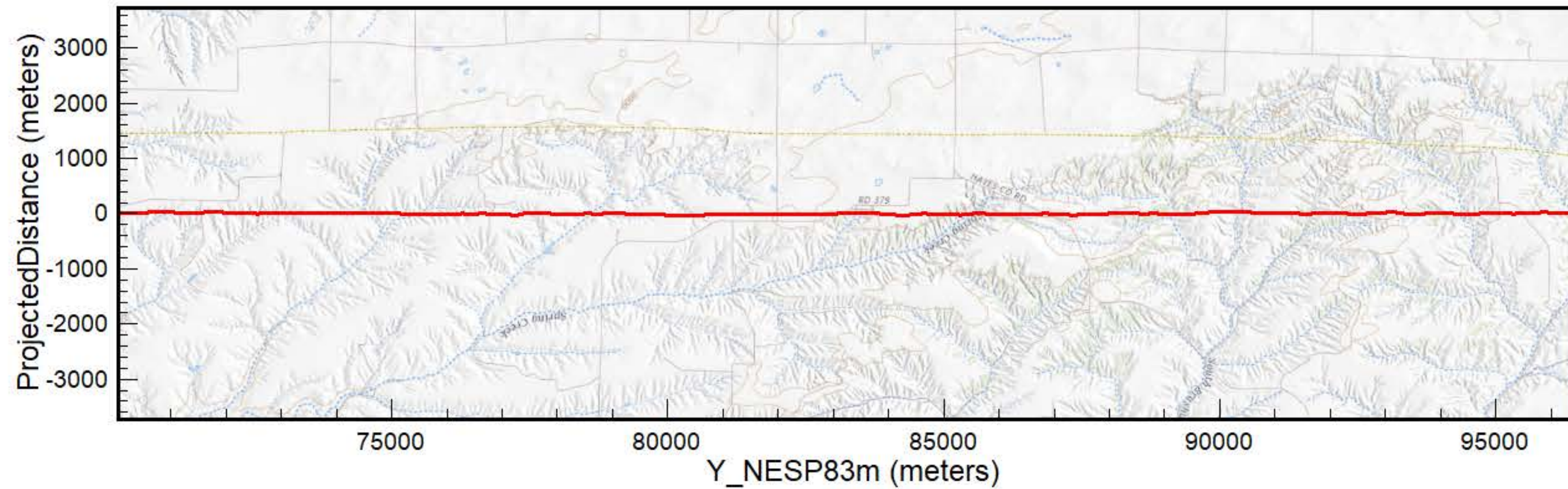
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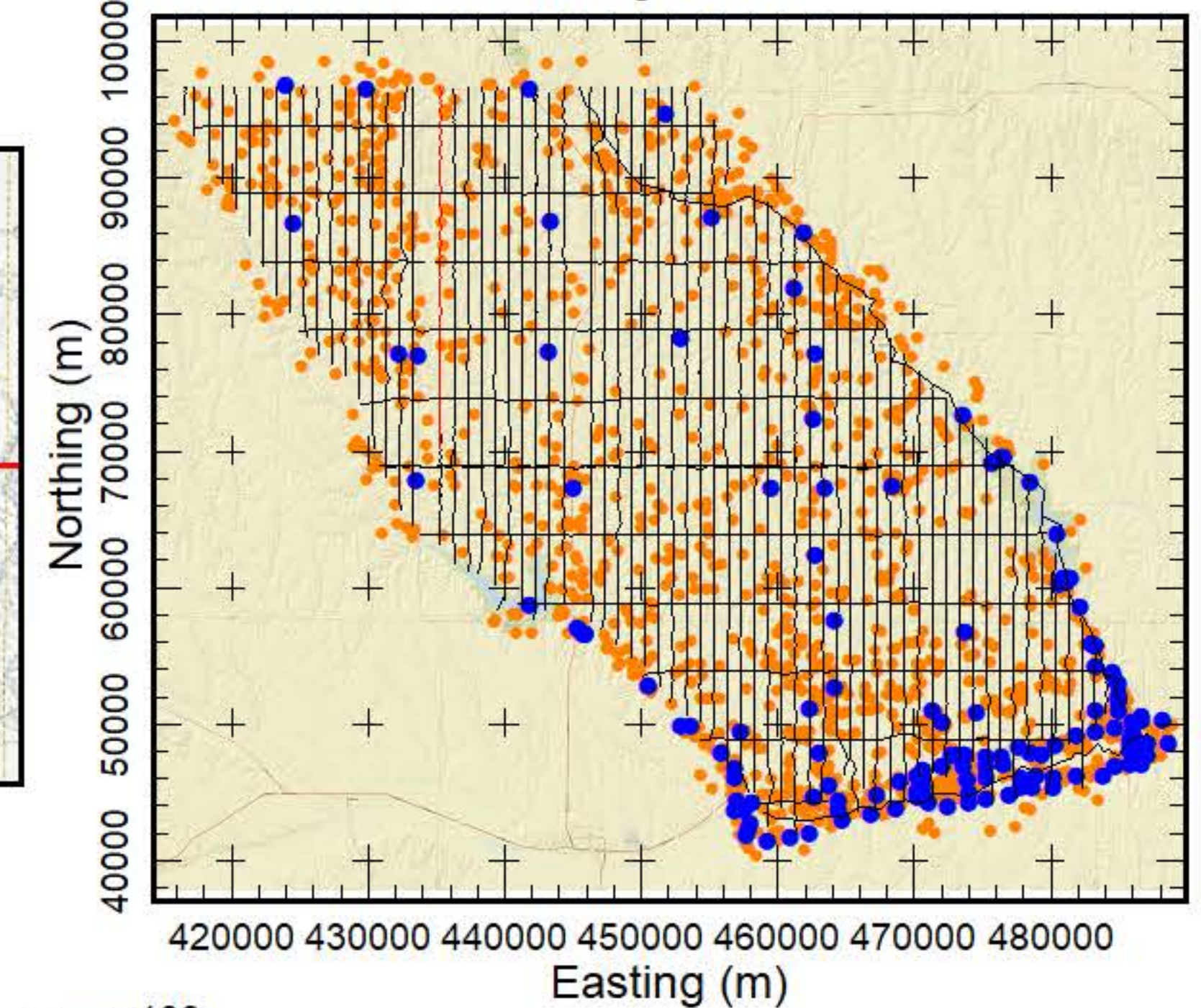




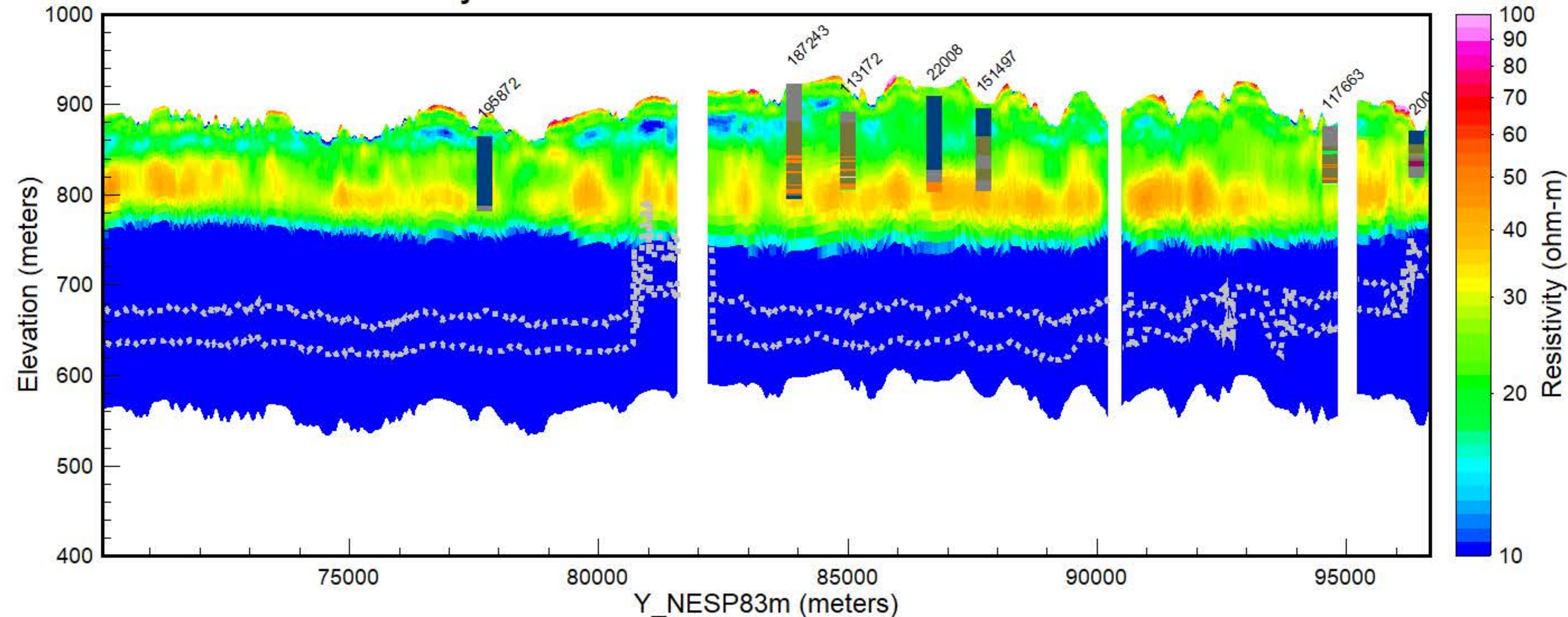
Flight Path Line L501902



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L501902



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

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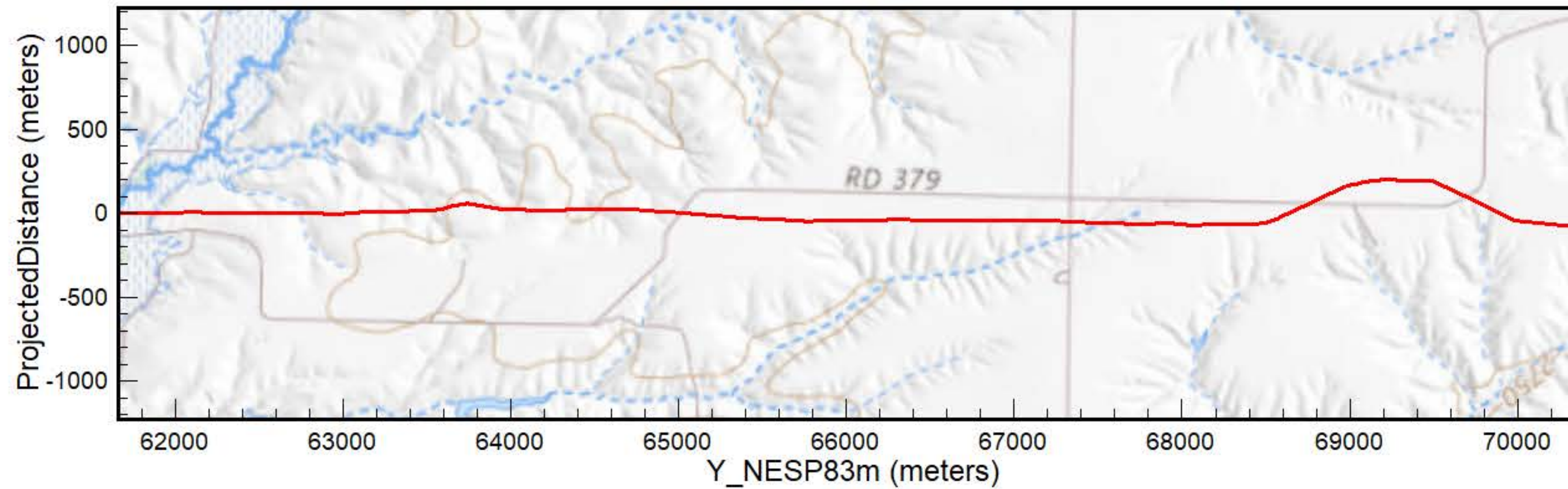
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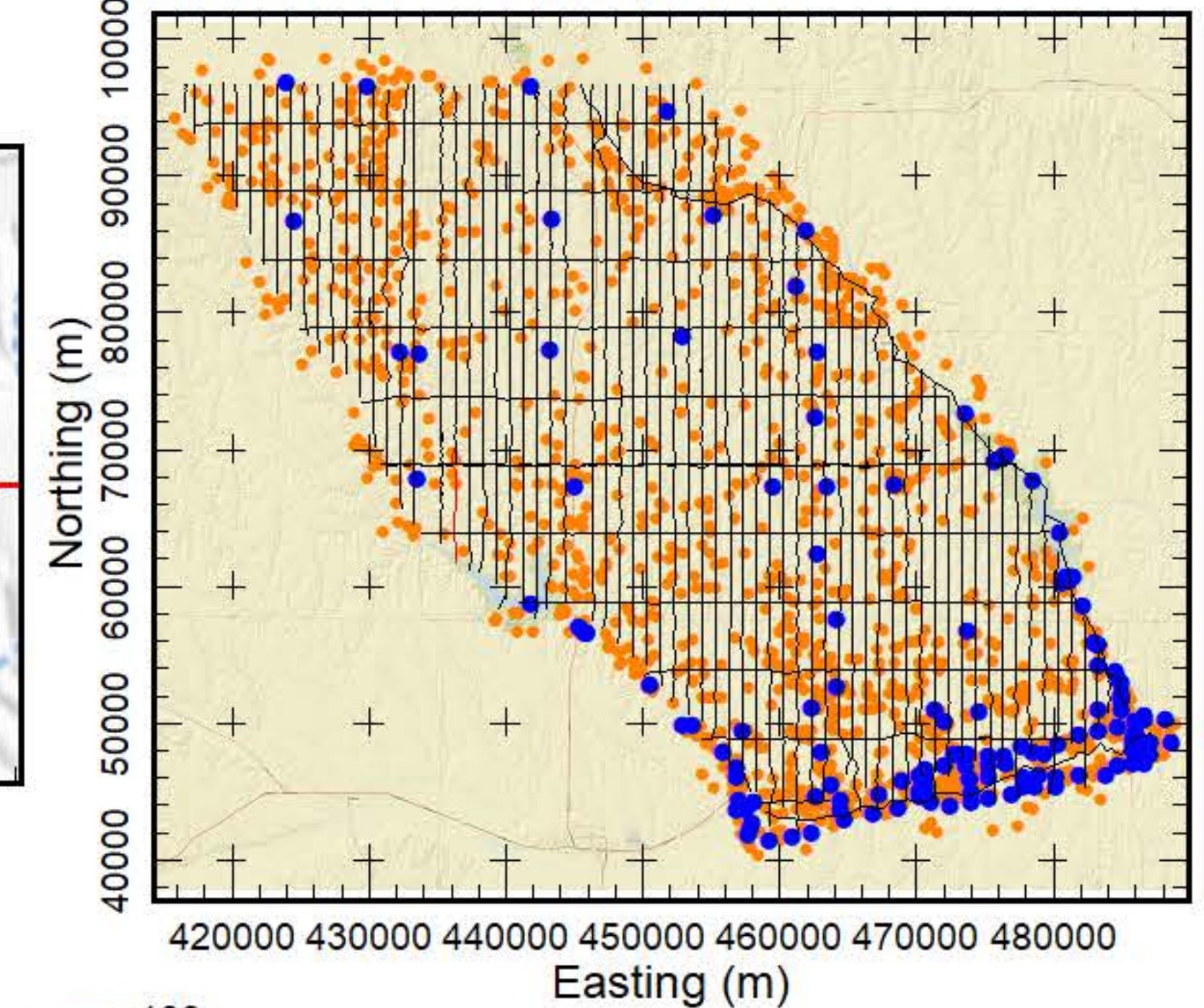




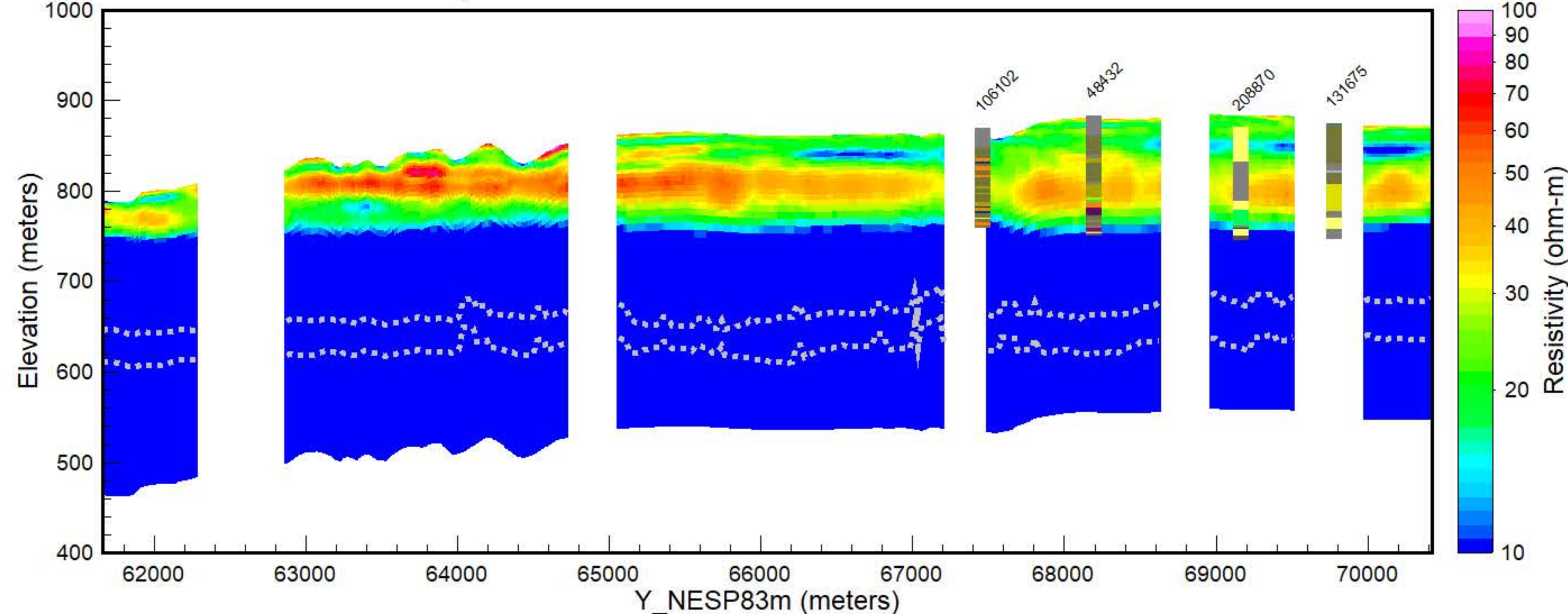
Flight Path Line L502001



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L502001



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

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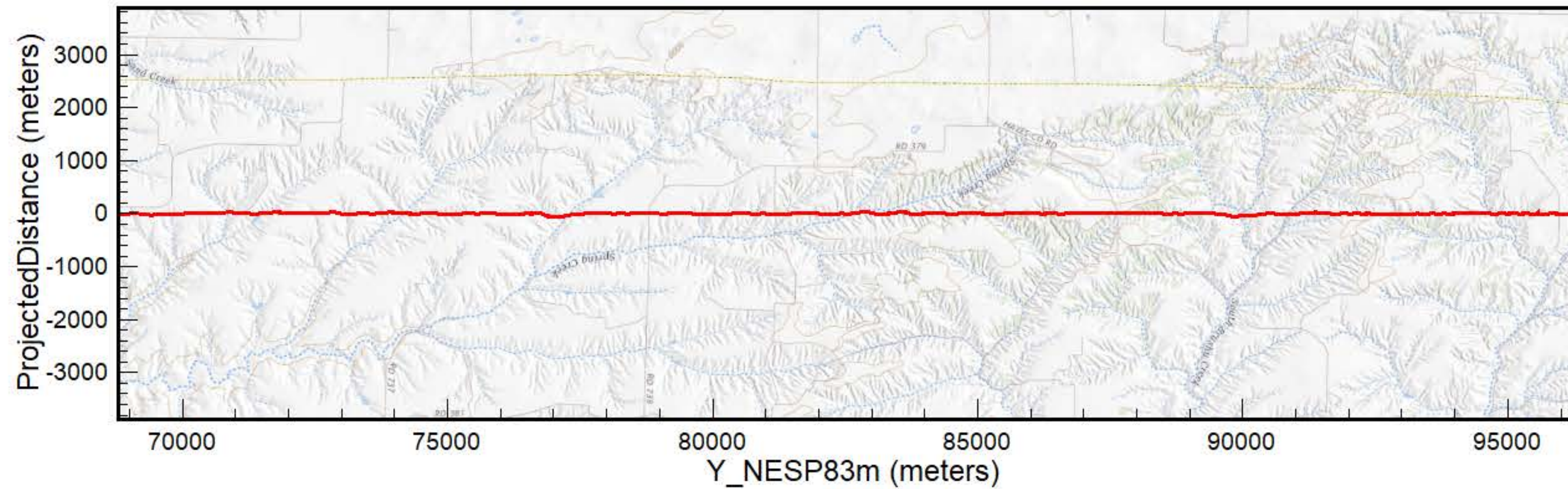
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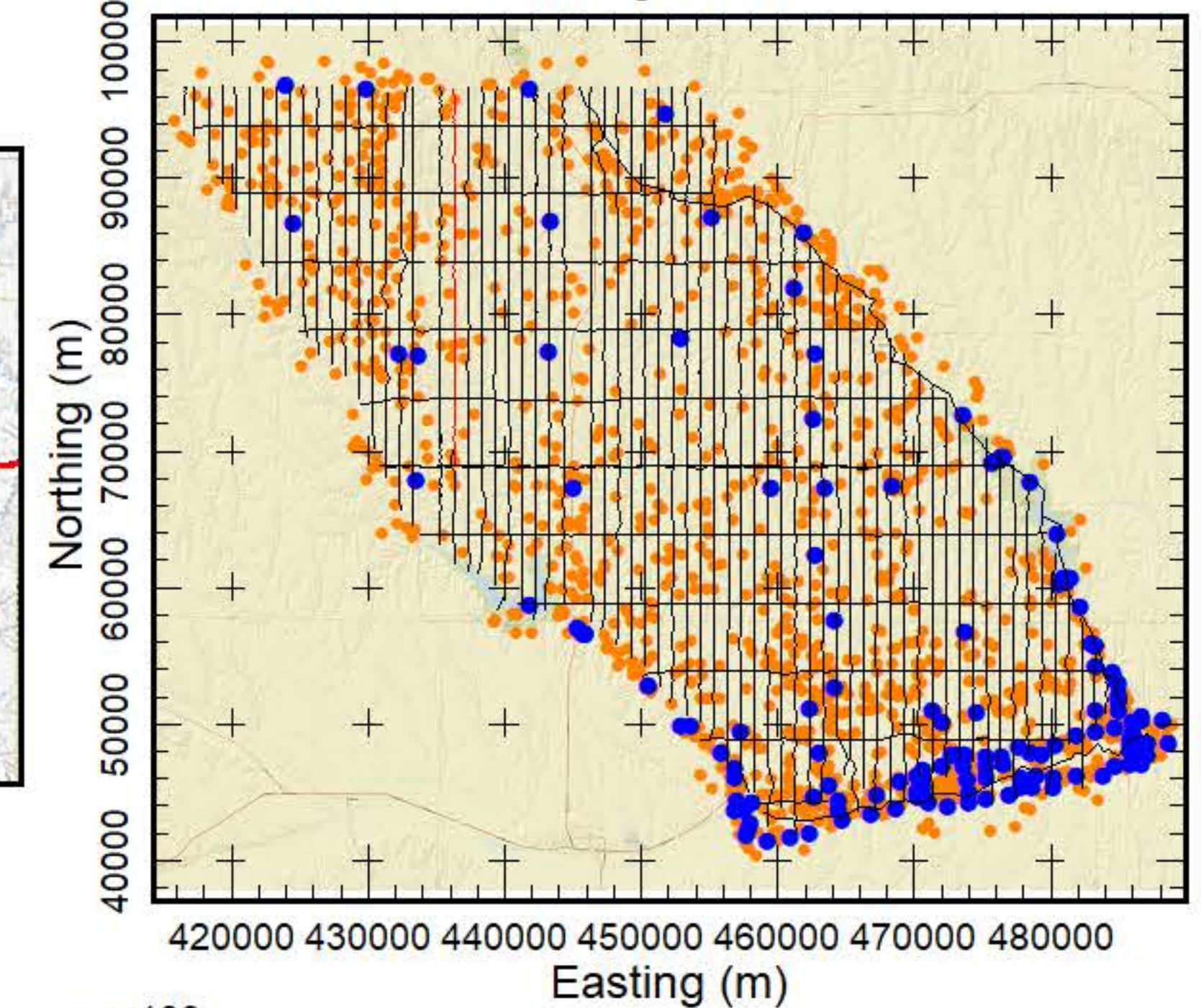




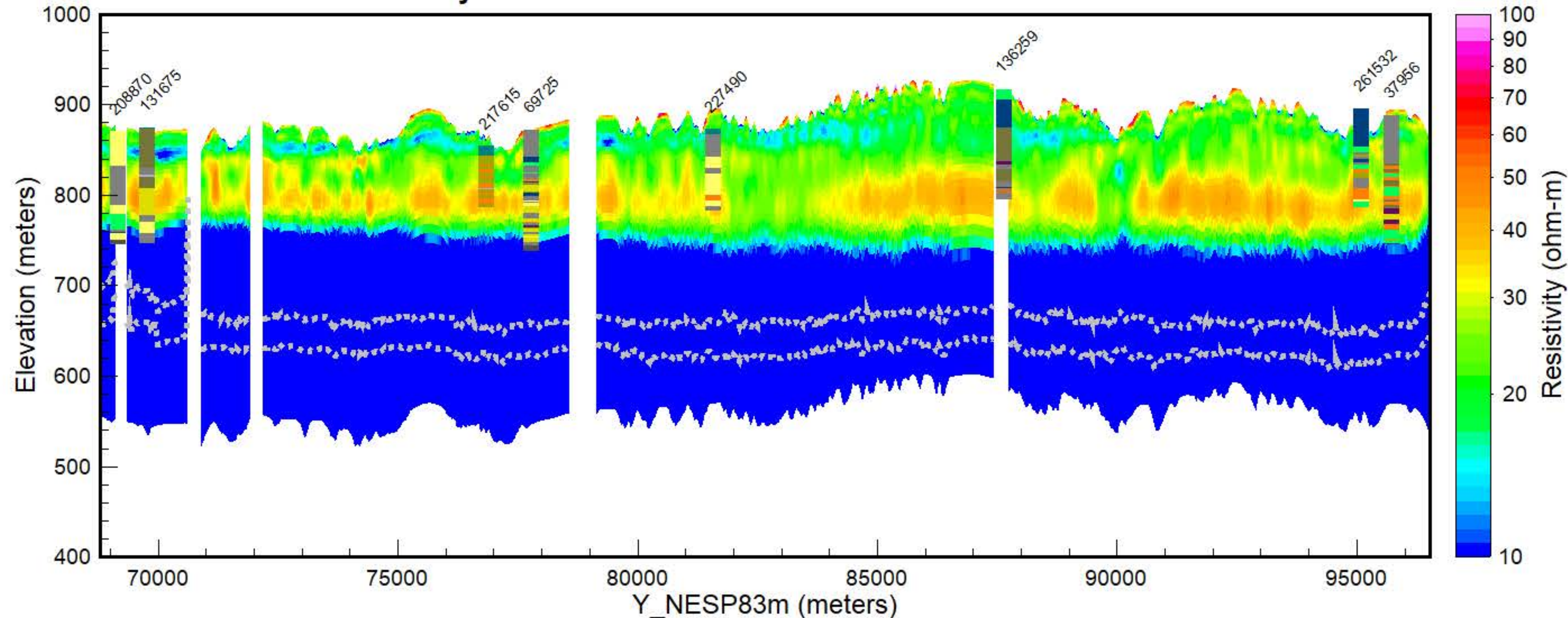
Flight Path Line L502002



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L502002



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

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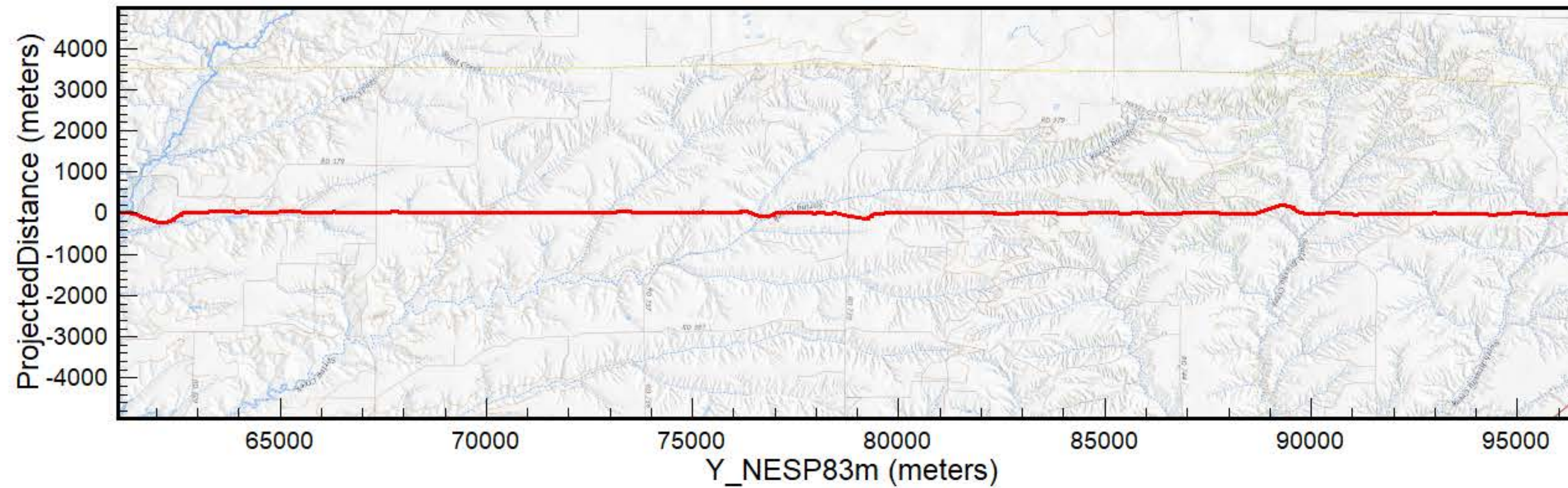
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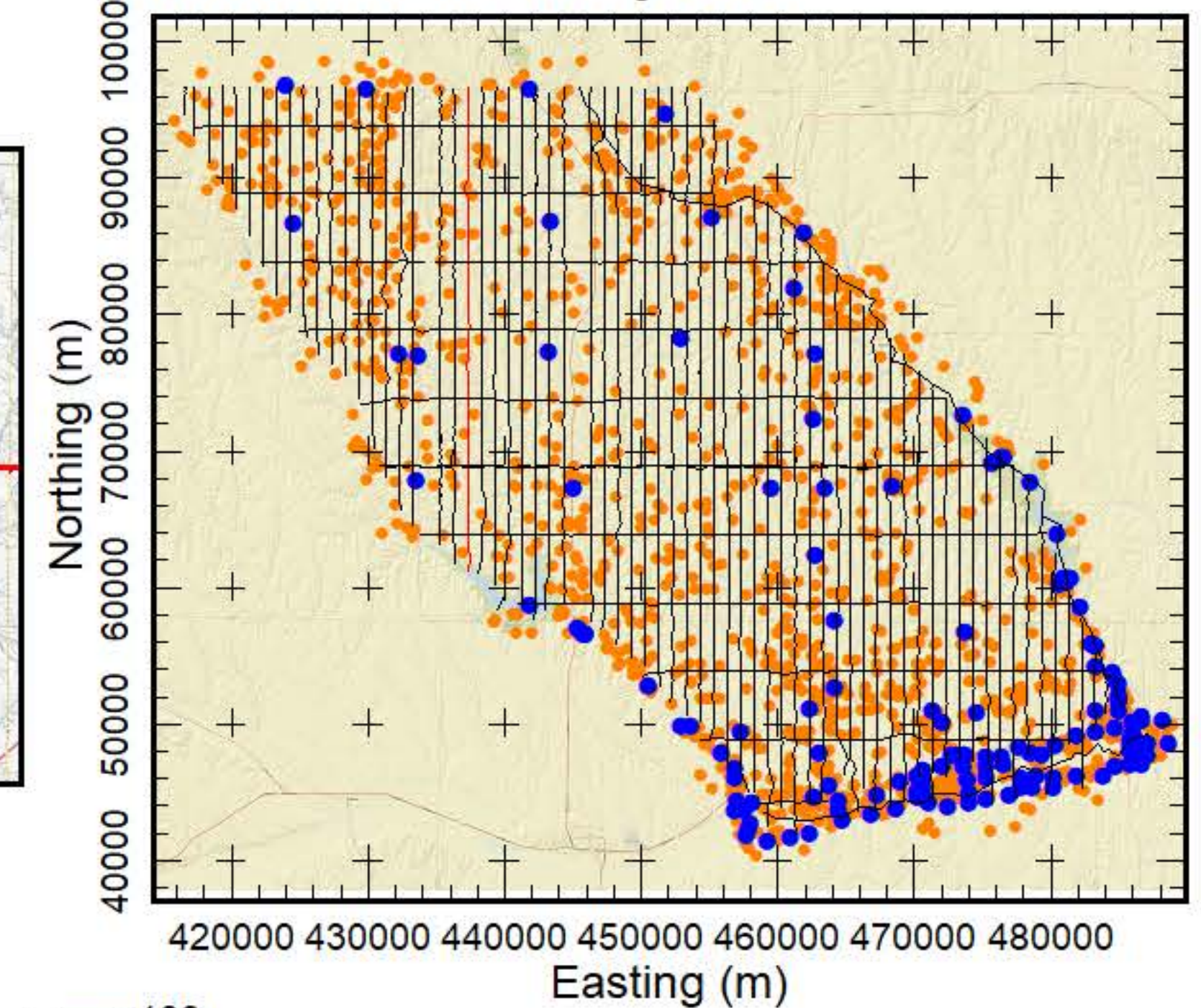




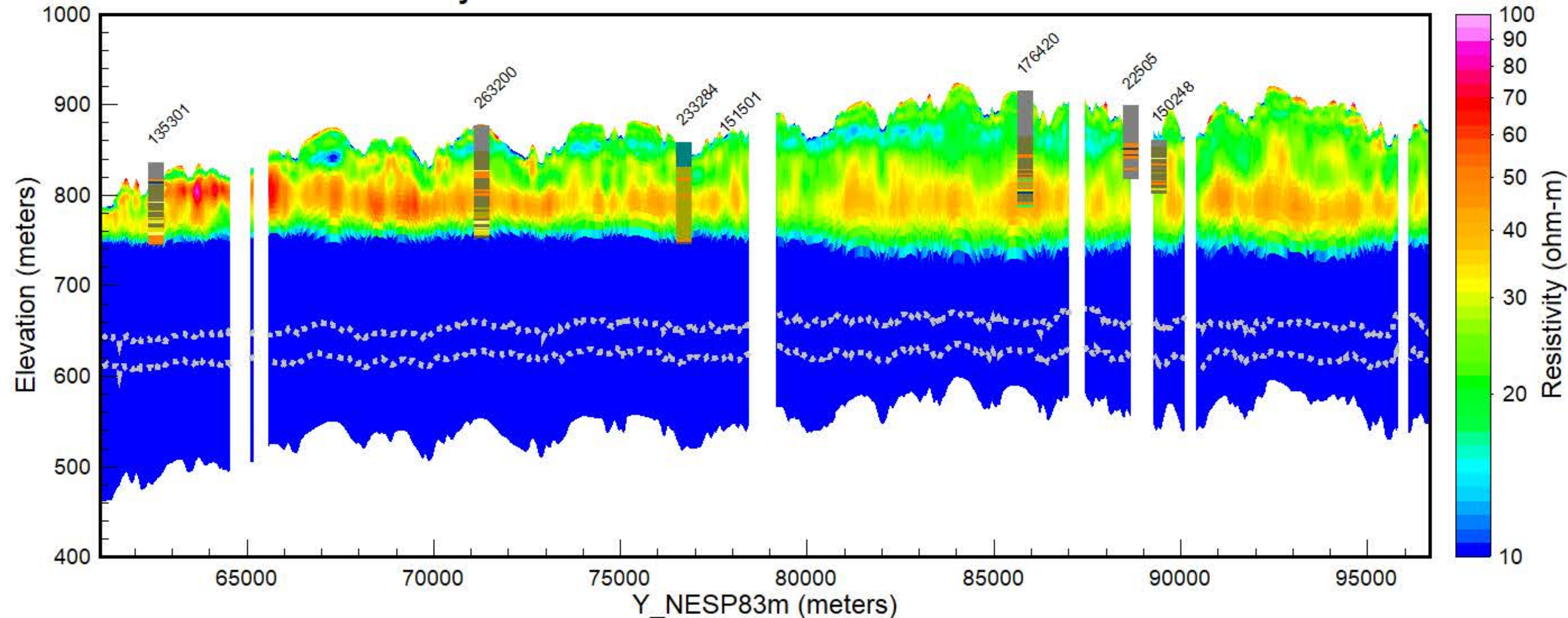
Flight Path Line L502101



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L502101



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

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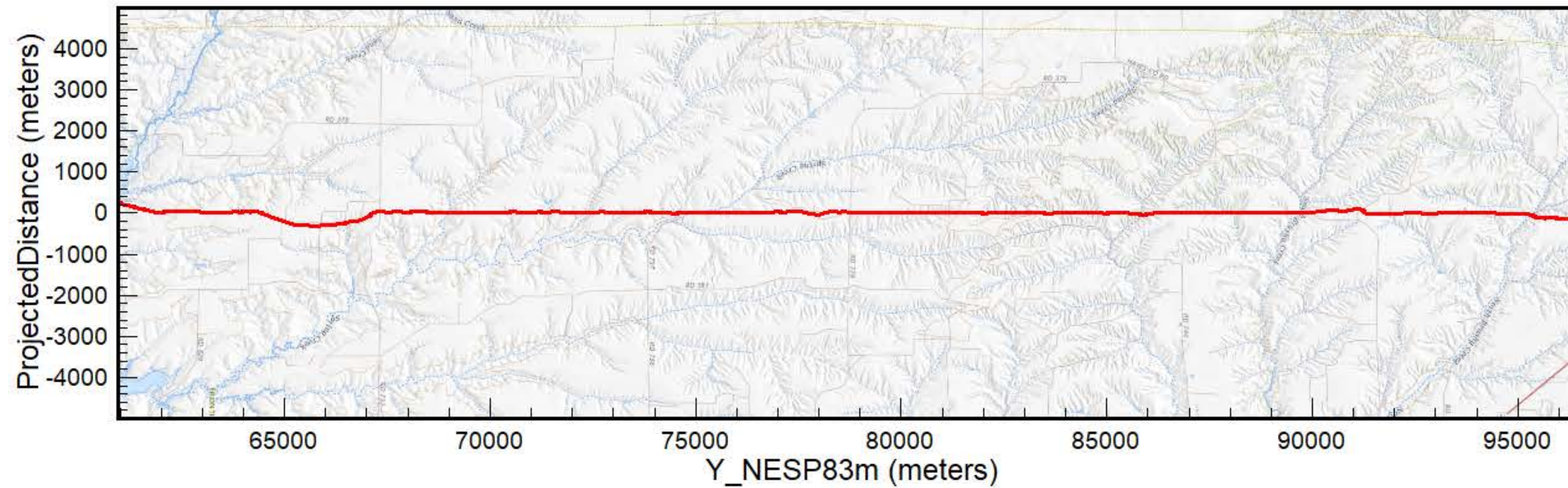
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Prepared for the MRNRD by Aqua Geo Frameworks, LLC.

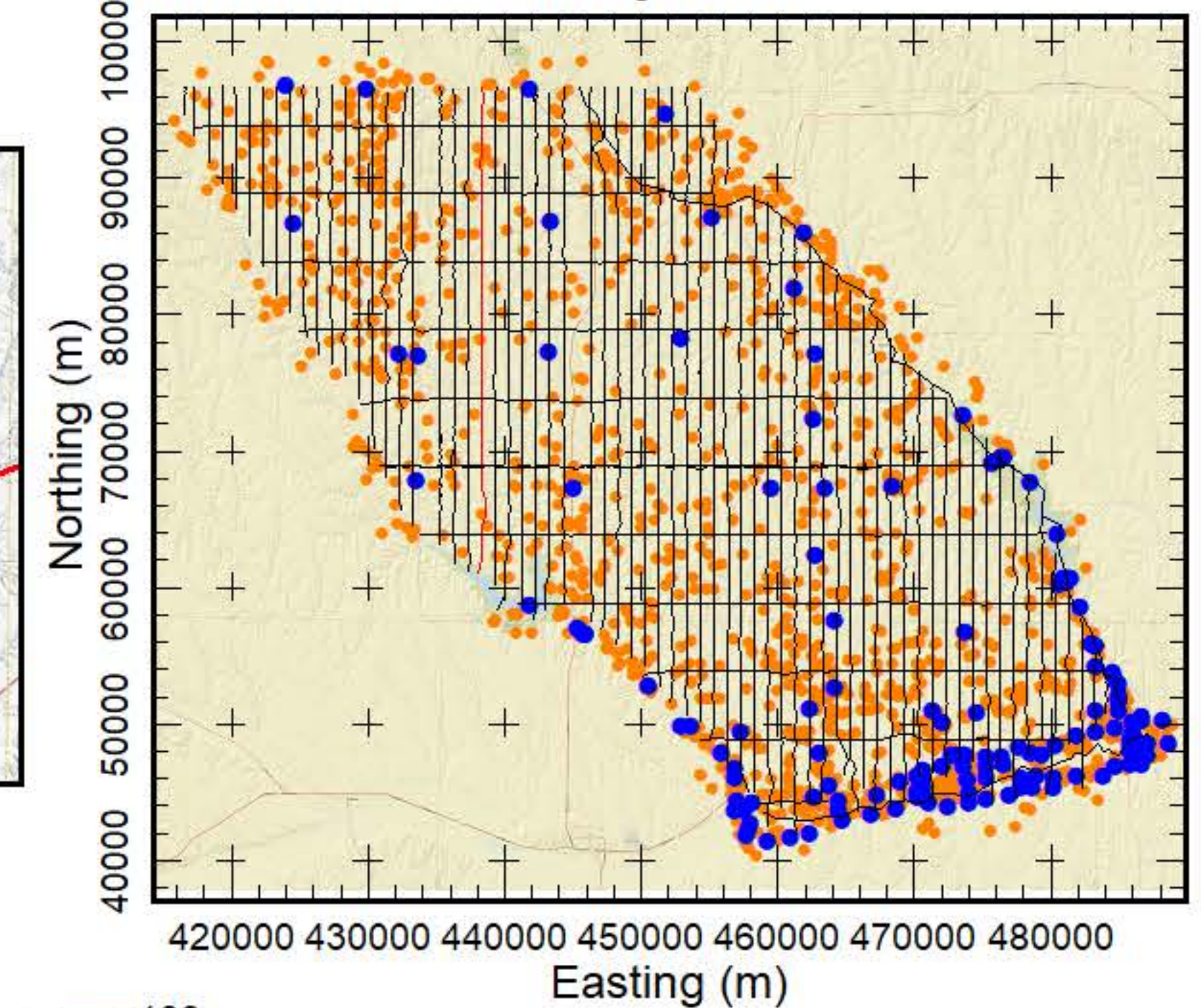




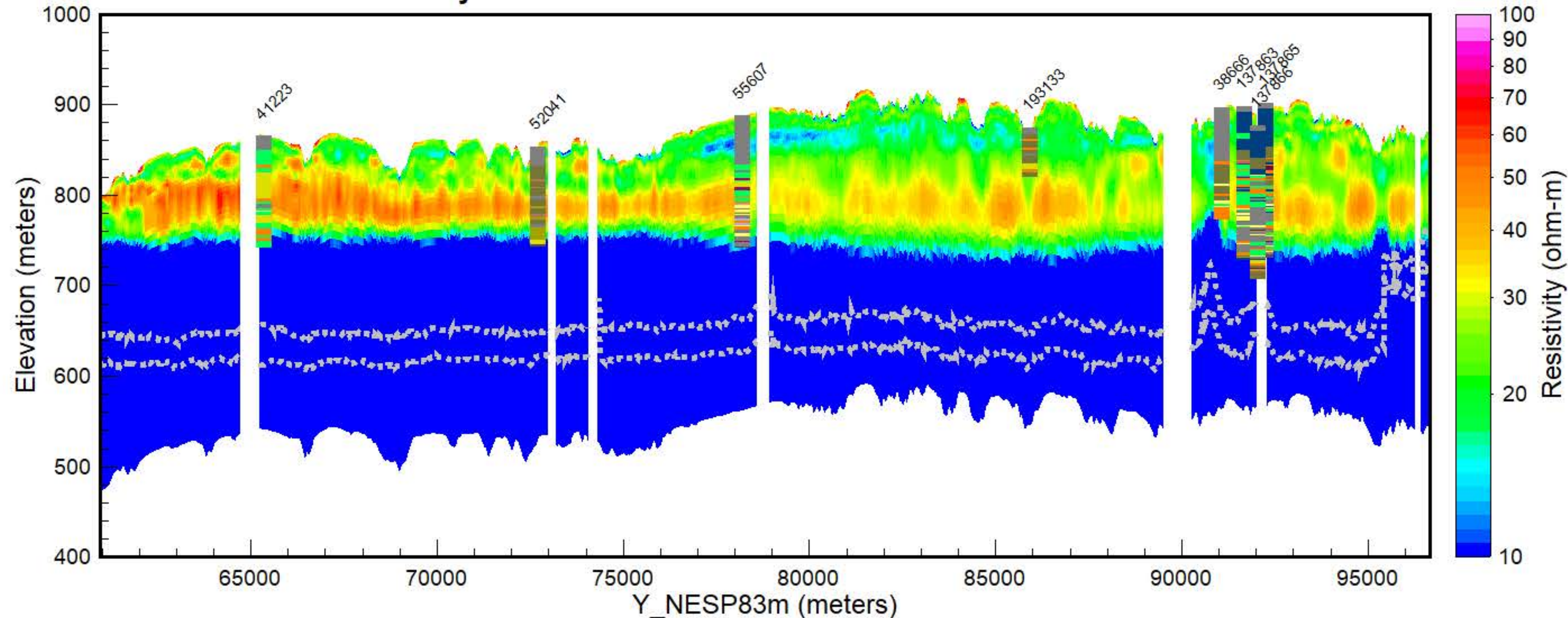
Flight Path Line L502201



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L502201



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

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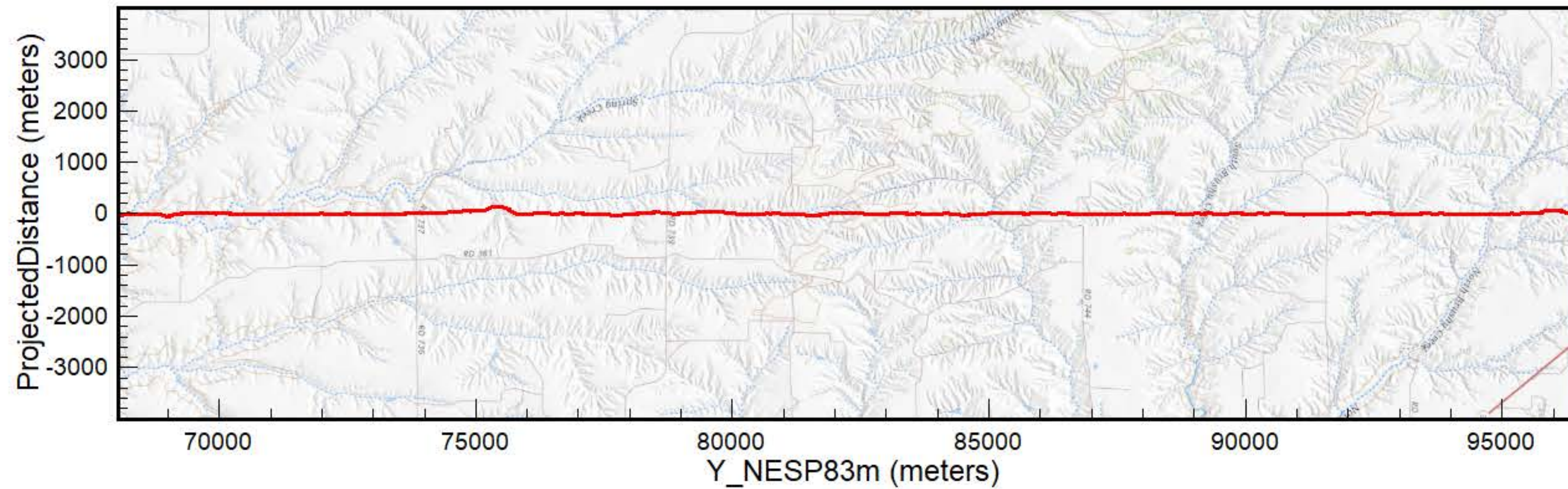
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Prepared for the MRNRD by Aqua Geo Frameworks, LLC.

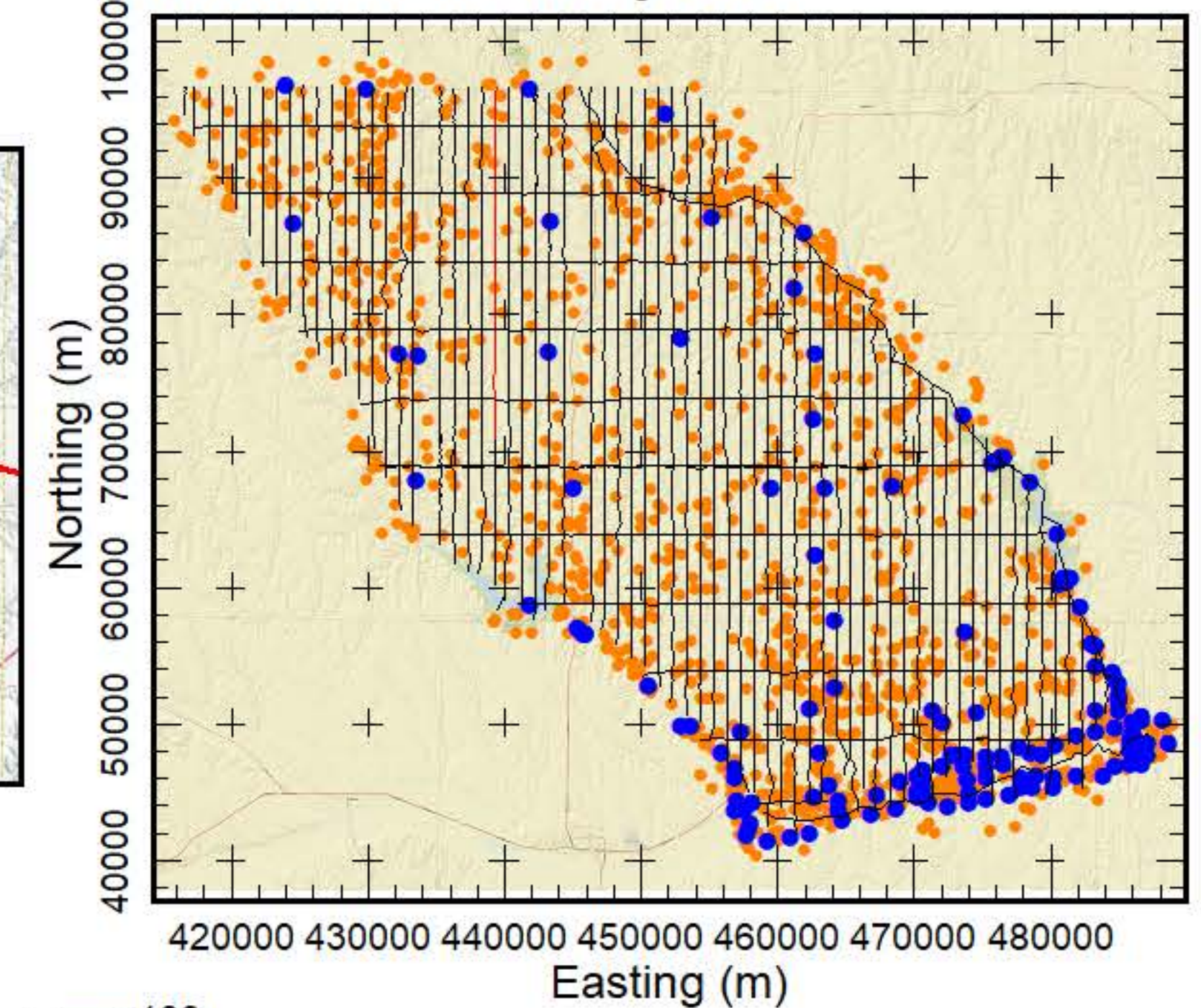




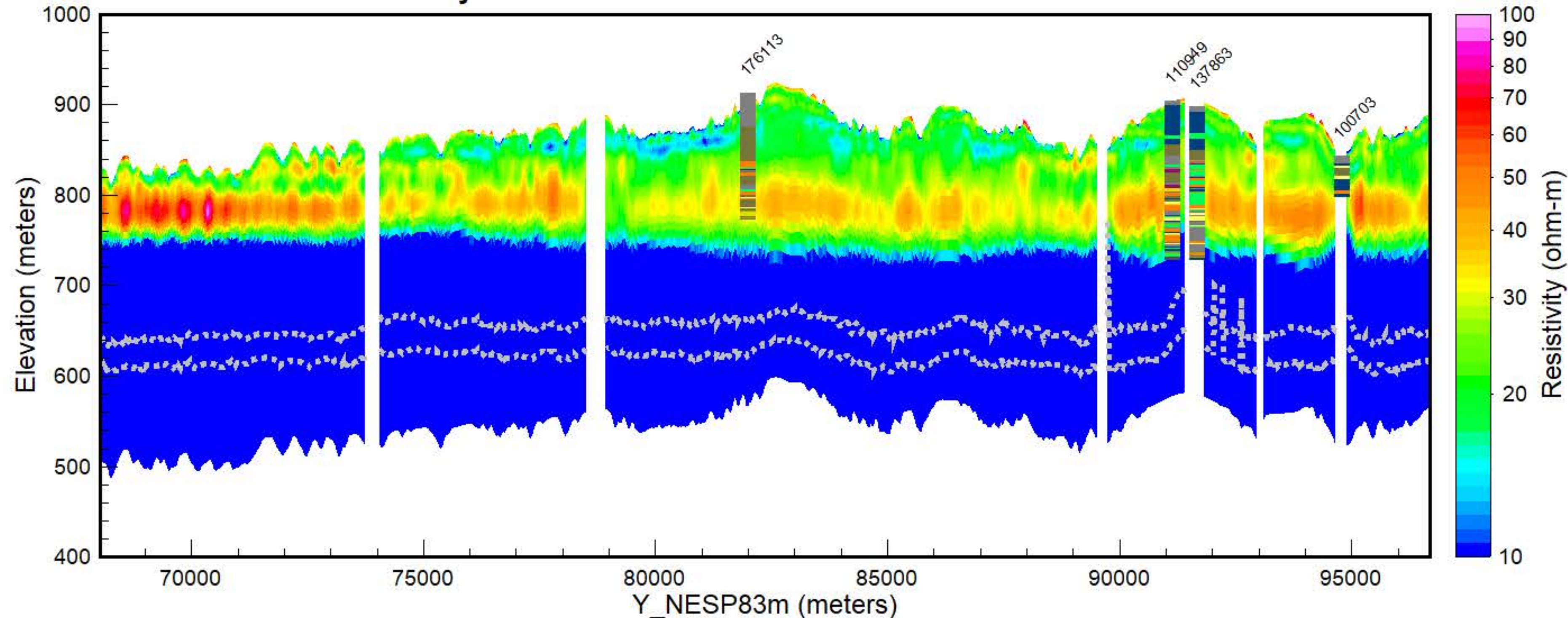
Flight Path Line L502301



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L502301



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

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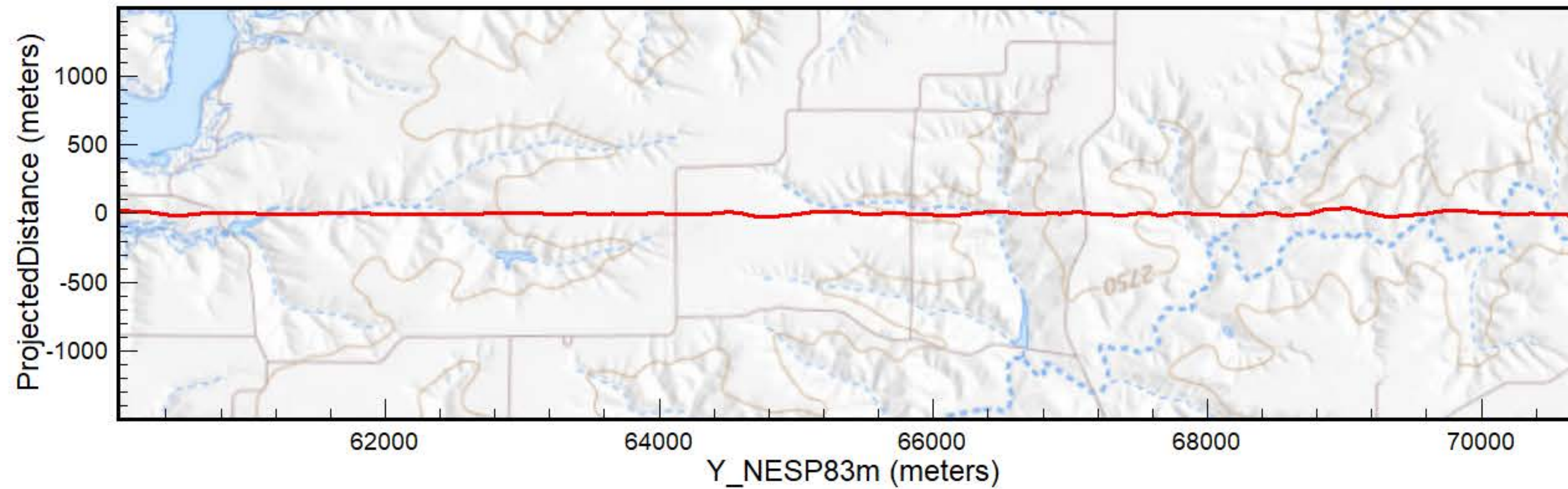
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Prepared for the MRNRD by Aqua Geo Frameworks, LLC.

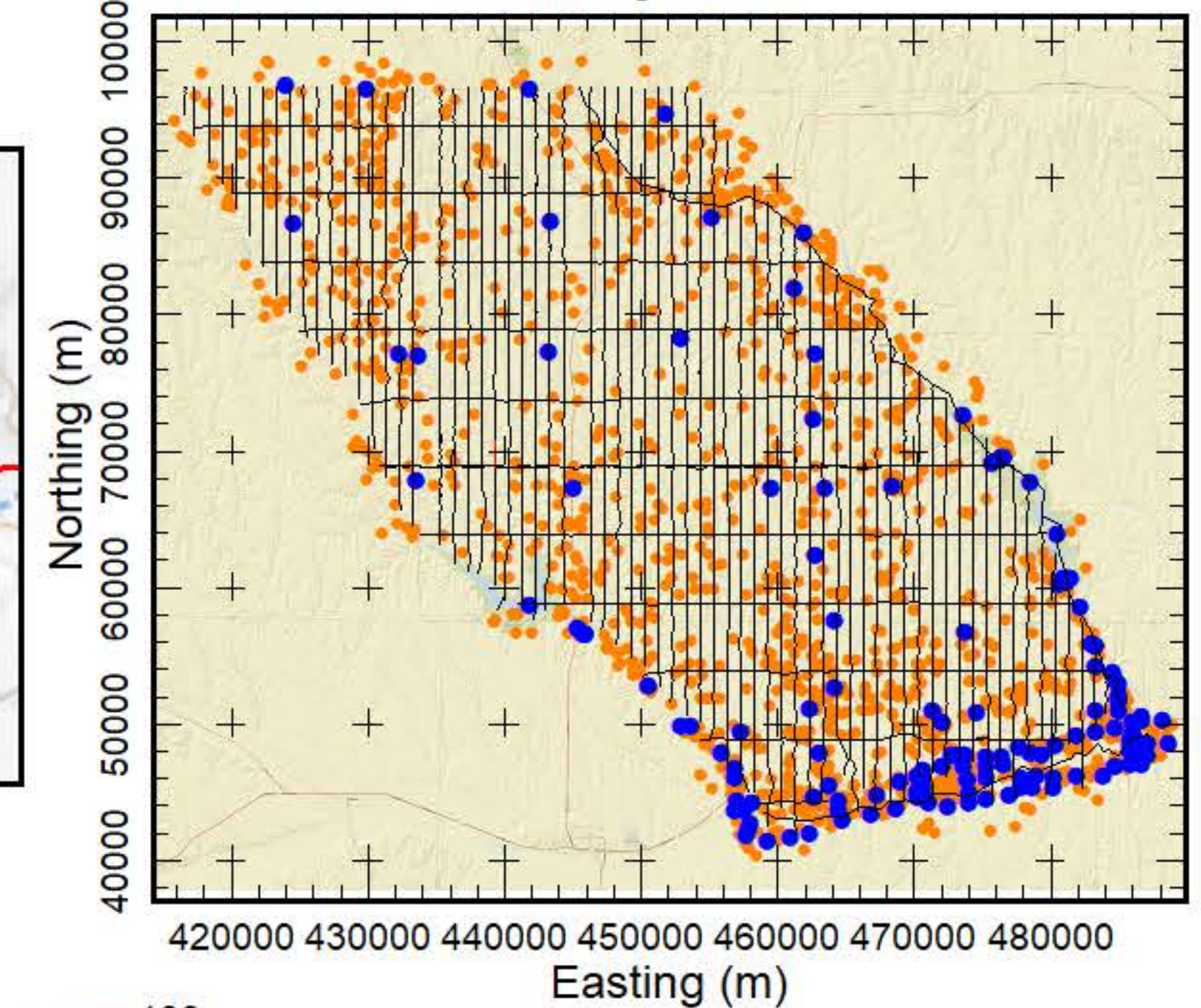




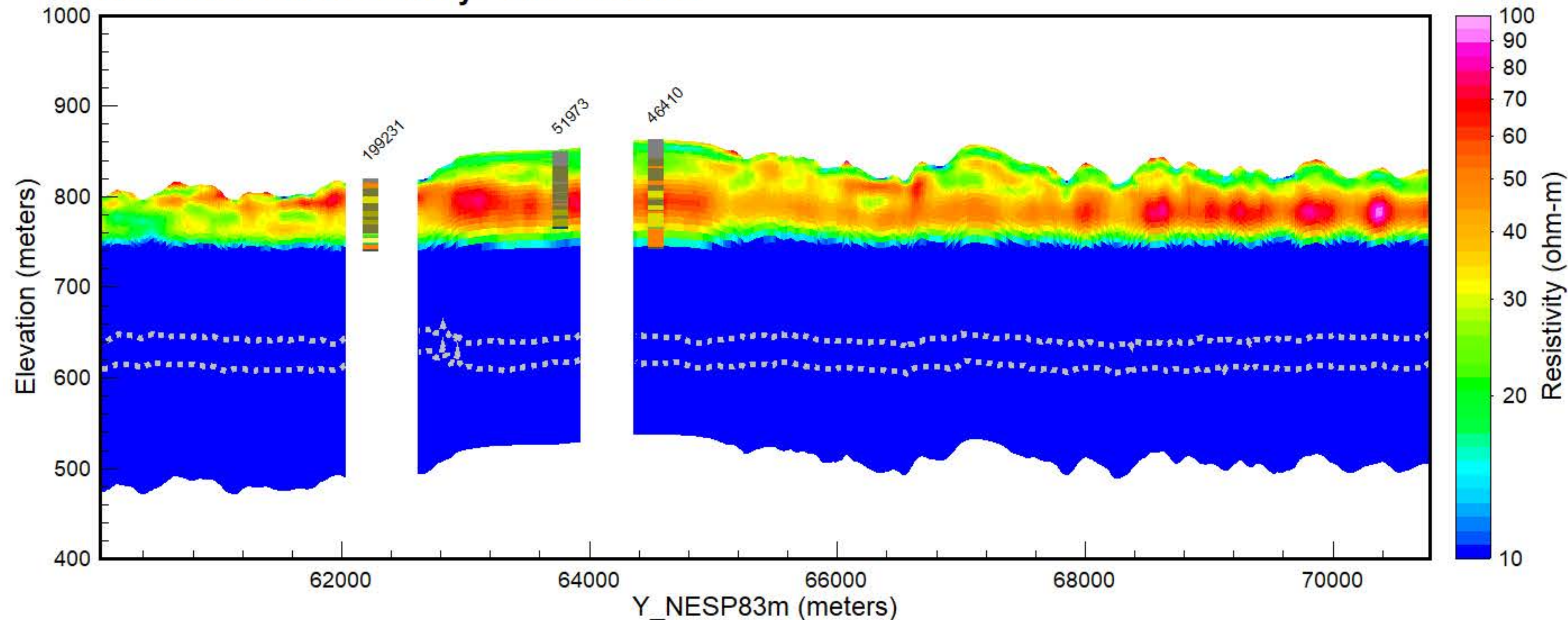
Flight Path Line L502302



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L502302



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

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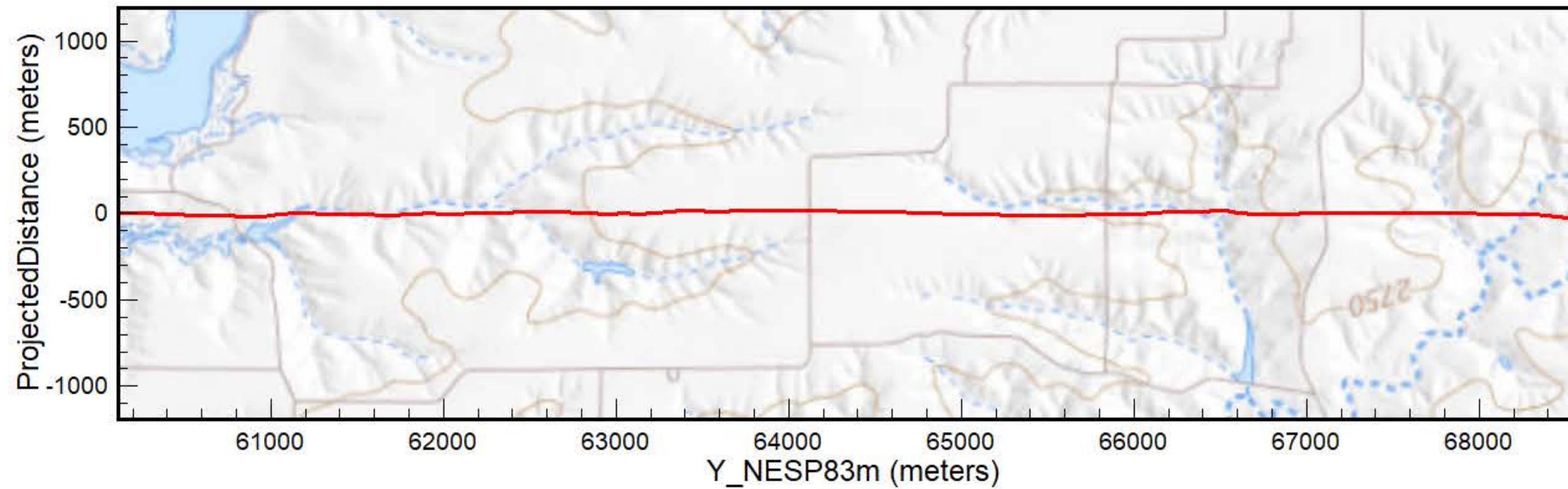
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Prepared for the MRNRD by Aqua Geo Frameworks, LLC.

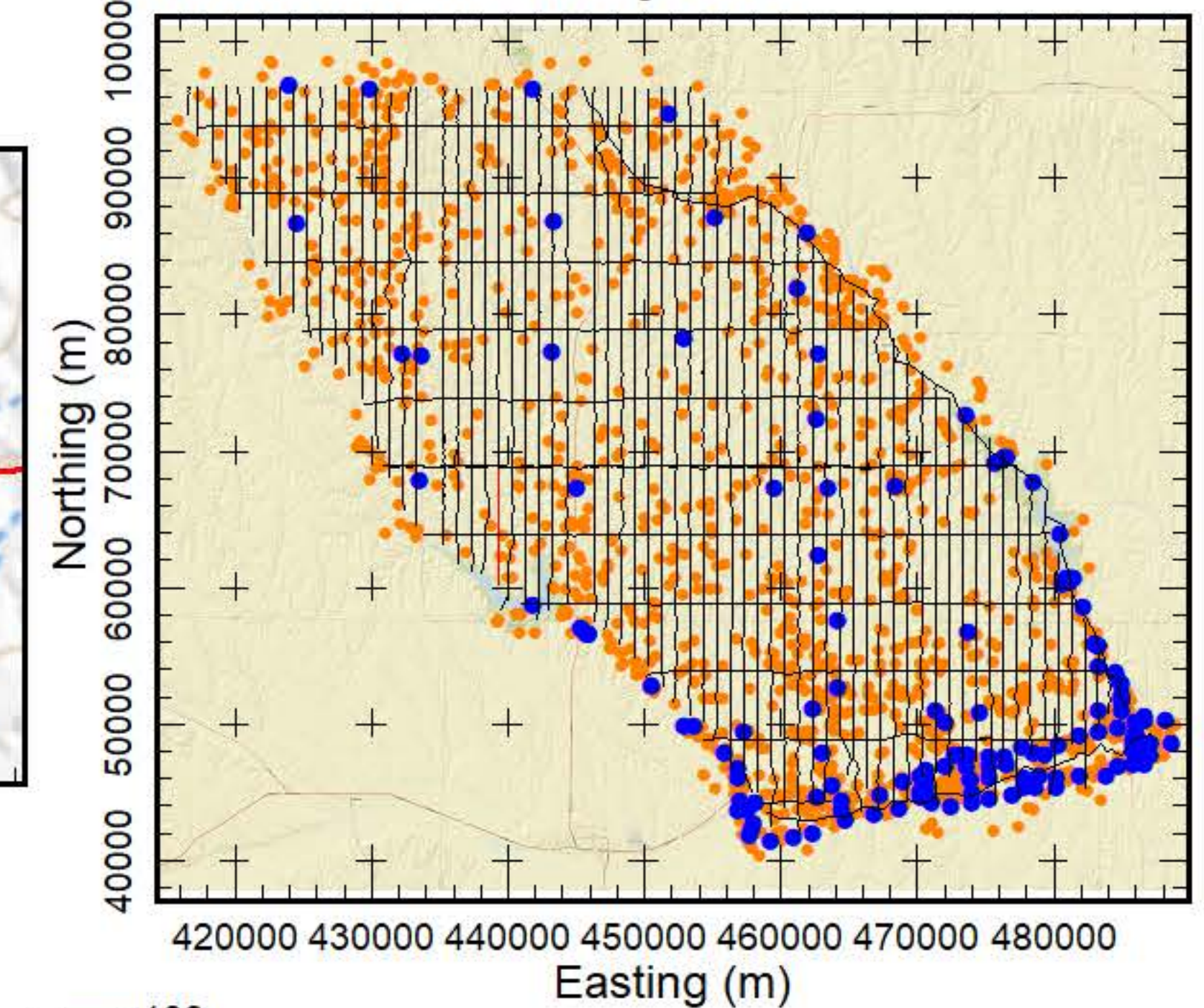




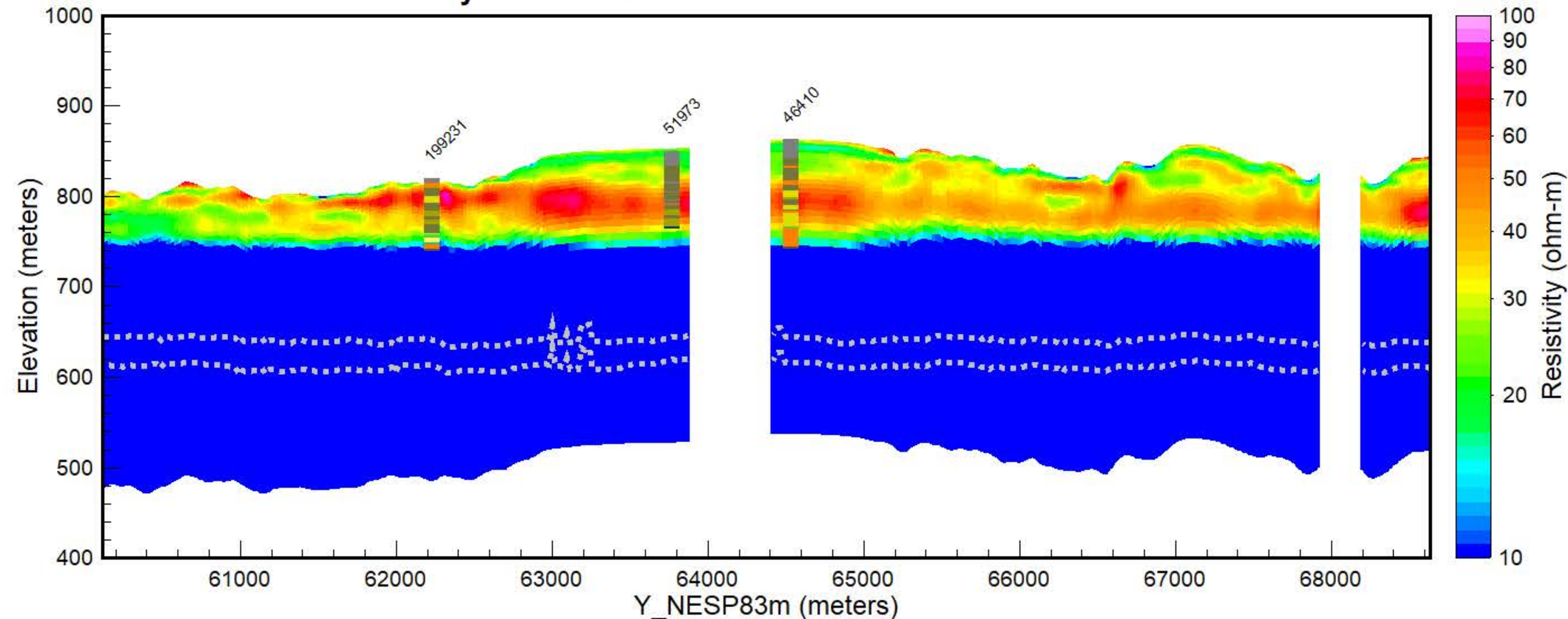
Flight Path Line L502303



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L502303



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

The red line on the Flight Path Map (USGS 100K Topo Map) indicates the location of the data collection.

The MRNRD AEM Survey Area map displays the total survey lines as black lines with the current flight line highlighted in red on a general map of the area. The blue dots represent the Conservation Survey Division (CSD) test holes public website downloaded on June 19, 2022 and the orange dots represent the Nebraska Department of Natural Resources (NE-DNR) Registered well database downloaded June 23, 2022.

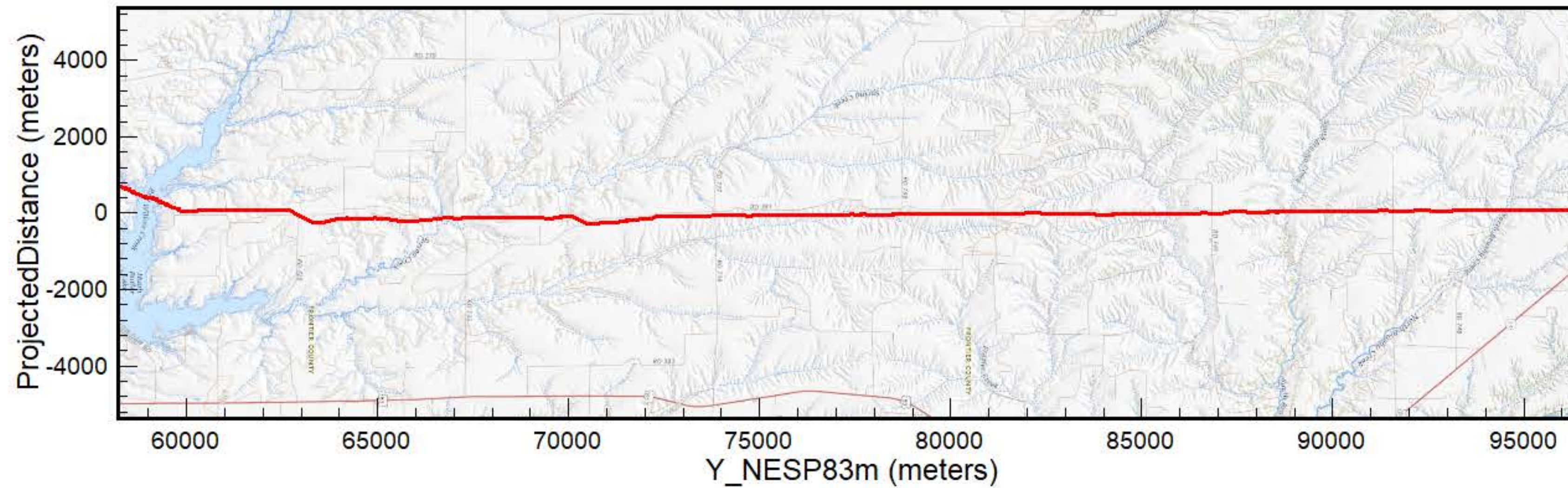
The AEM inversions resistivity shown as profiles are Spatially-Constrained (SCI) using the Aarhus Geo Software Workbench version 6.7.0.0 and are displayed in the indicated electrical resistivity color scale. Boreholes CSD and NE-DNR displayed on the AEM inversion profile are within 500 meters of the flight line. Lithology is indicated by the legend. Gray-dashed lines when visible on the AEM inversions profile indicate the estimated depth of investigation (DOI). White gaps in the AEM inversion profile indicate gaps in data coverage due to electromagnetic coupling or areas that were not flown due to infrastructure.

Prepared for the MRNRD by Aqua Geo Frameworks, LLC.

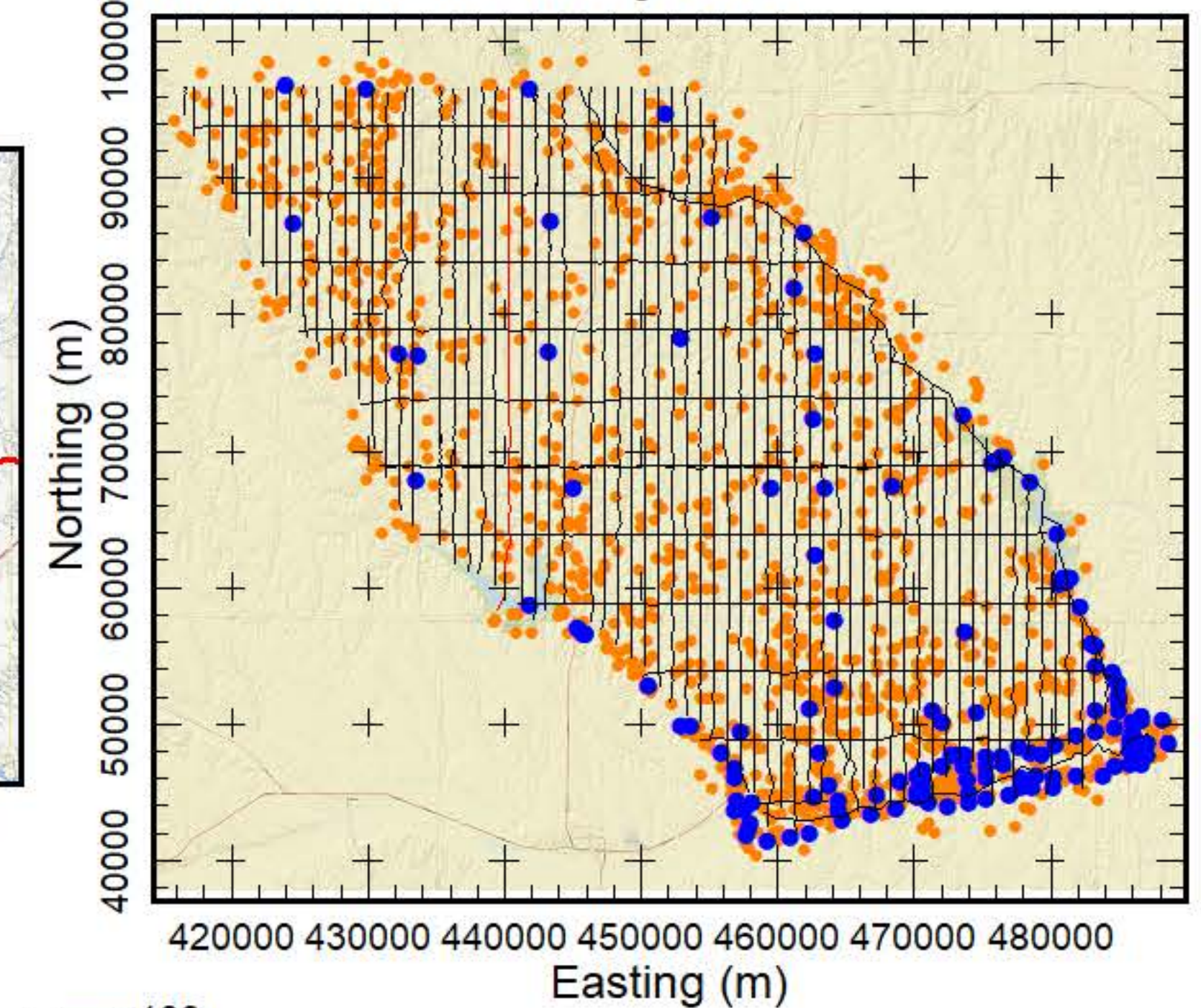




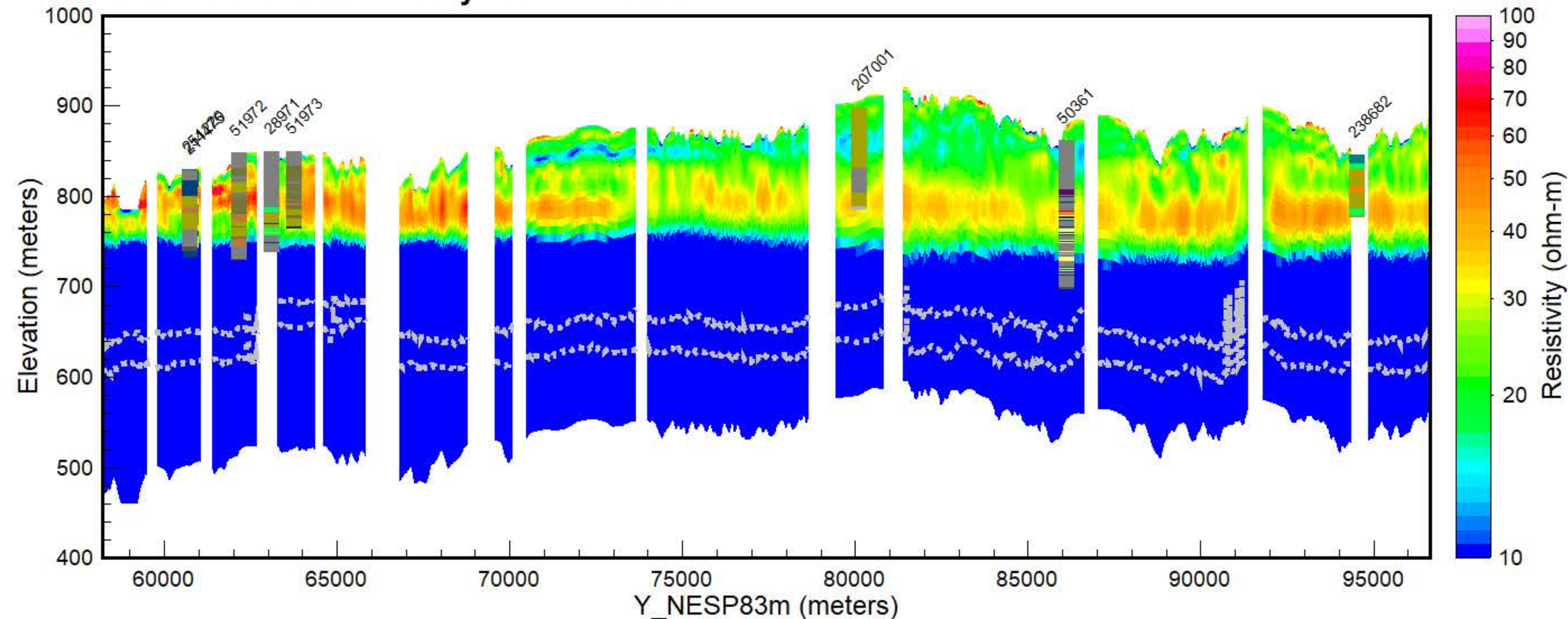
Flight Path Line L502401



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L502401



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

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The MRNRD AEM Survey Area map displays the total survey lines as black lines with the current flight line highlighted in red on a general map of the area. The blue dots represent the Conservation Survey Division (CSD) test holes public website downloaded on June 19, 2022 and the orange dots represent the Nebraska Department of Natural Resources (NE-DNR) Registered well database downloaded June 23, 2022.

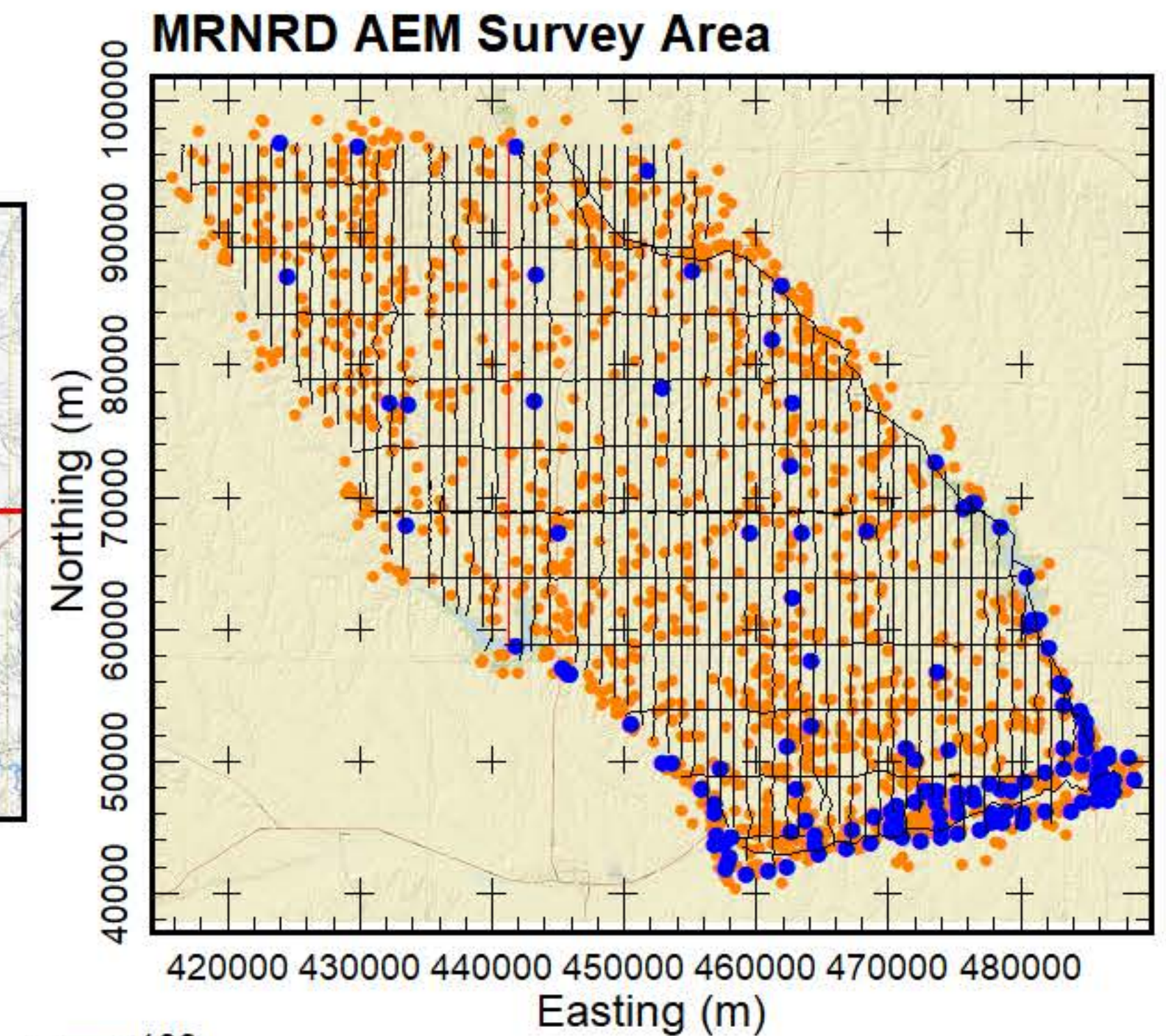
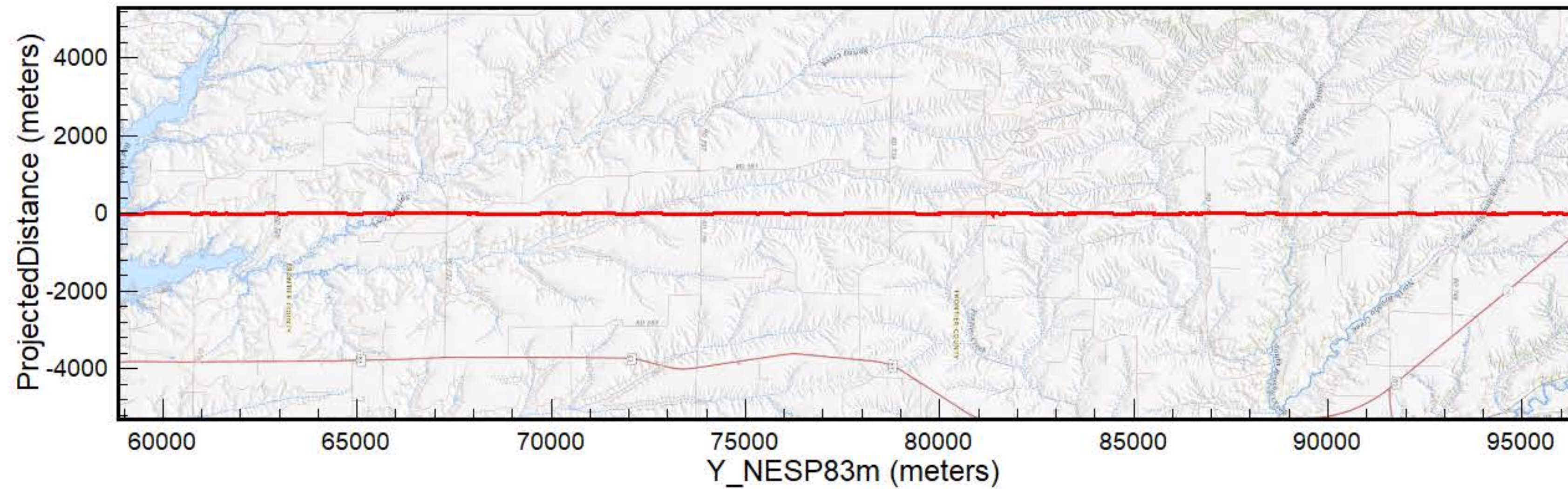
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Prepared for the MRNRD by Aqua Geo Frameworks, LLC.

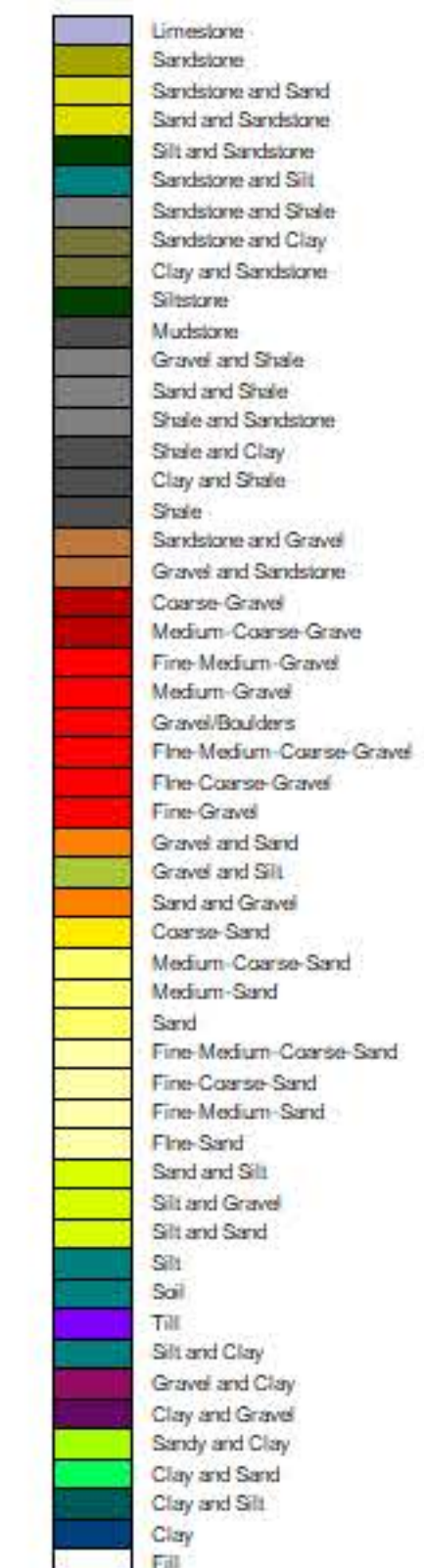
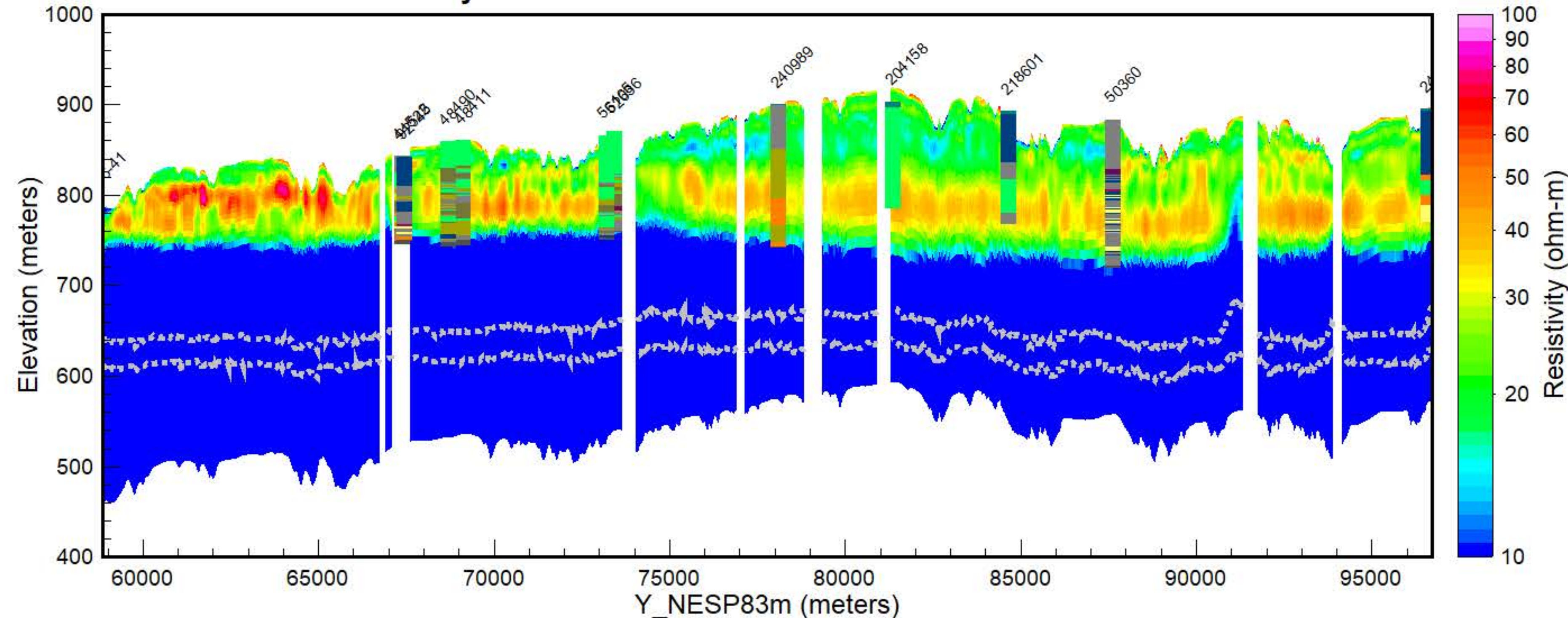




Flight Path Line L502501



AEM Inversion Resistivity Line L502501



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

The red line on the Flight Path Map (USGS 100K Topo Map) indicates the location of the data collection.

The MRNRD AEM Survey Area map displays the total survey lines as black lines with the current flight line highlighted in red on a general map of the area. The blue dots represent the Conservation Survey Division (CSD) test holes public website downloaded on June 19, 2022 and the orange dots represent the Nebraska Department of Natural Resources (NE-DNR) Registered well database downloaded June 23, 2022.

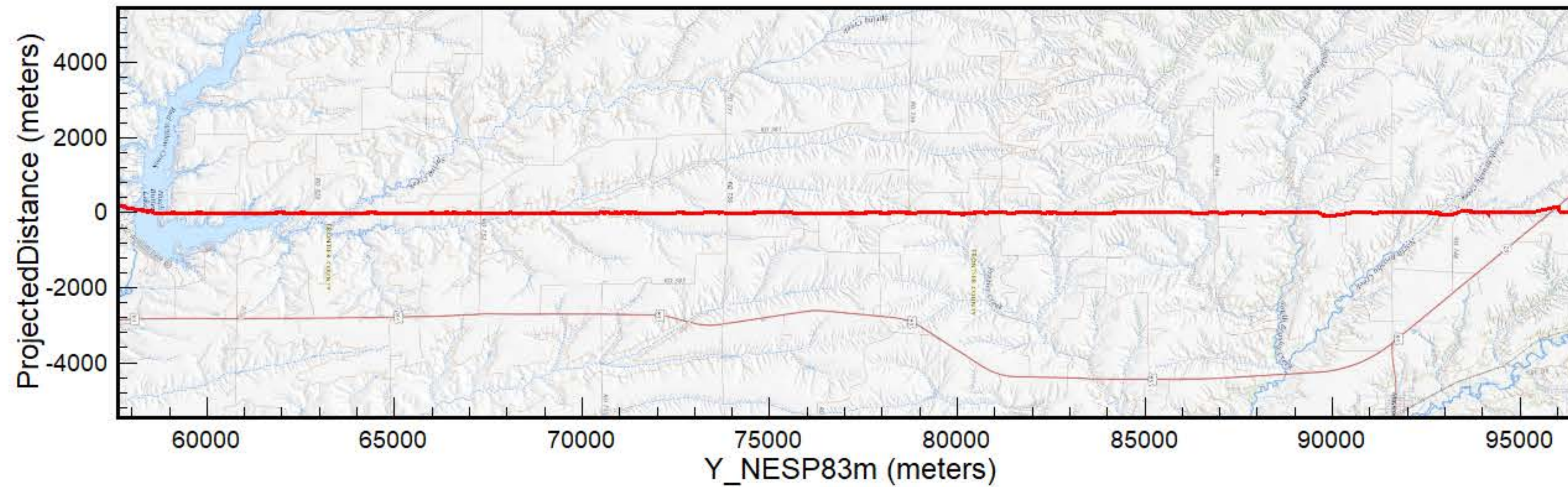
The AEM inversions resistivity shown as profiles are Spatially-Constrained (SCI) using the Aarhus Geo Software Workbench version 6.7.0.0 and are displayed in the indicated electrical resistivity color scale. Boreholes CSD and NE-DNR displayed on the AEM inversion profile are within 500 meters of the flight line. Lithology is indicated by the legend. Gray-dashed lines when visible on the AEM inversions profile indicate the estimated depth of investigation (DOI). White gaps in the AEM inversion profile indicate gaps in data coverage due to electromagnetic coupling or areas that were not flown due to infrastructure.

Prepared for the MRNRD by Aqua Geo Frameworks, LLC.

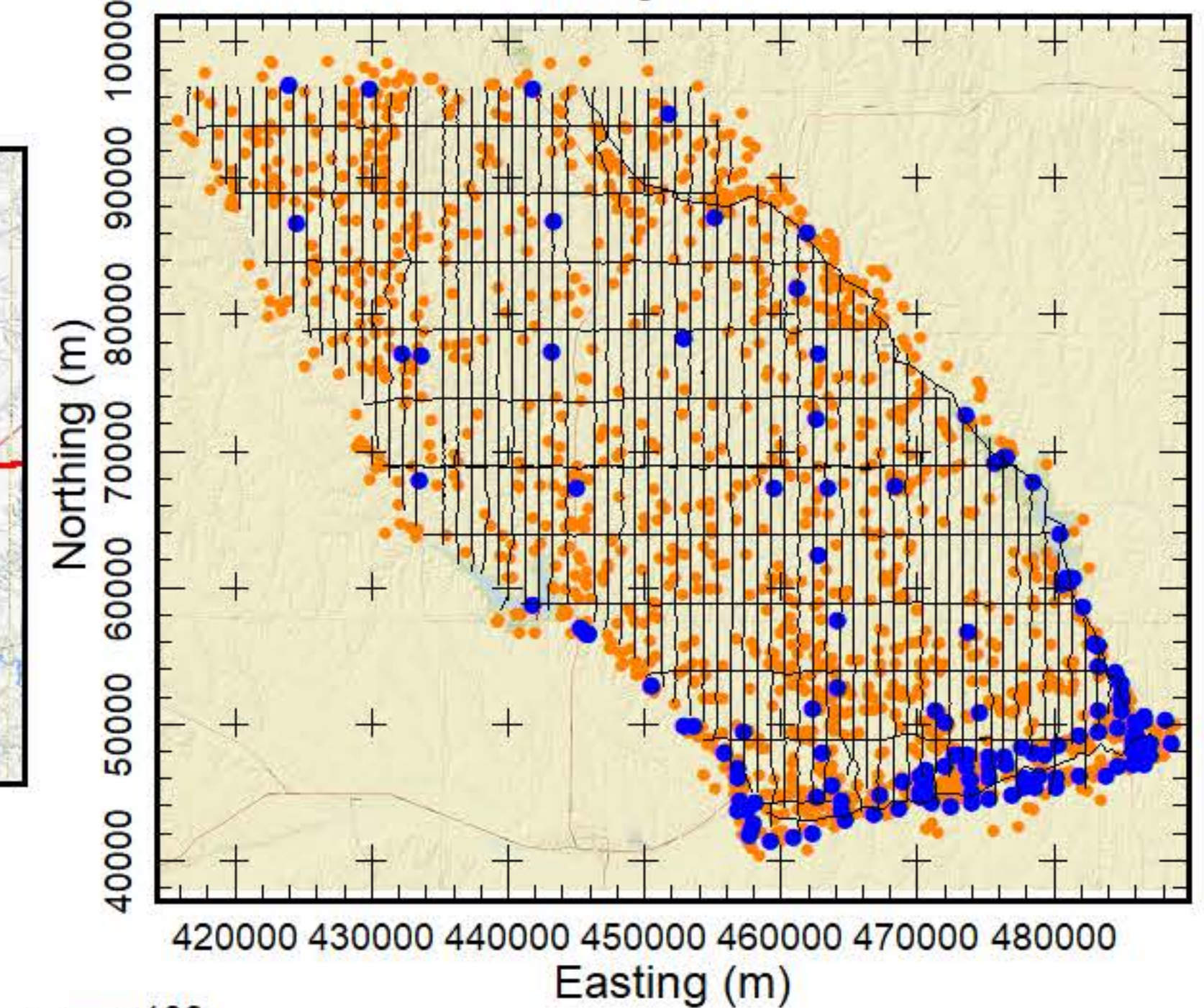




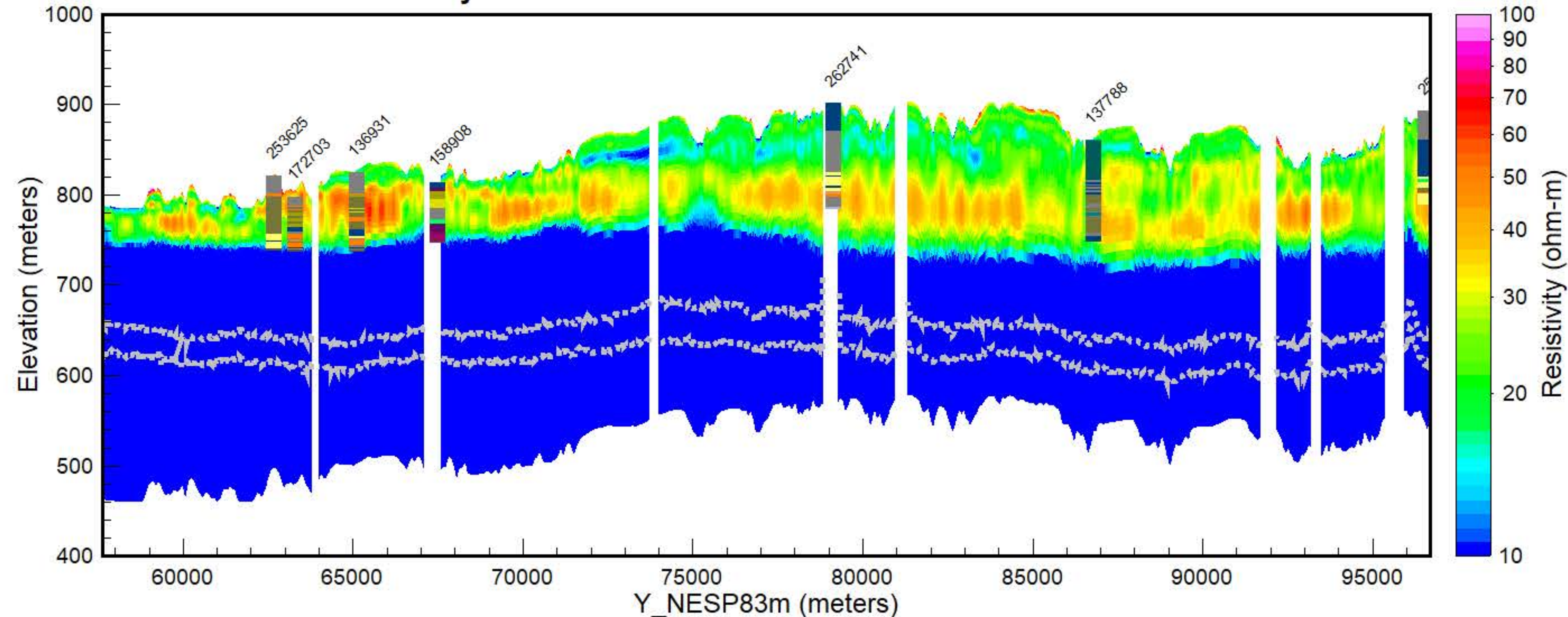
Flight Path Line L502601



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L502601



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

The red line on the Flight Path Map (USGS 100K Topo Map) indicates the location of the data collection.

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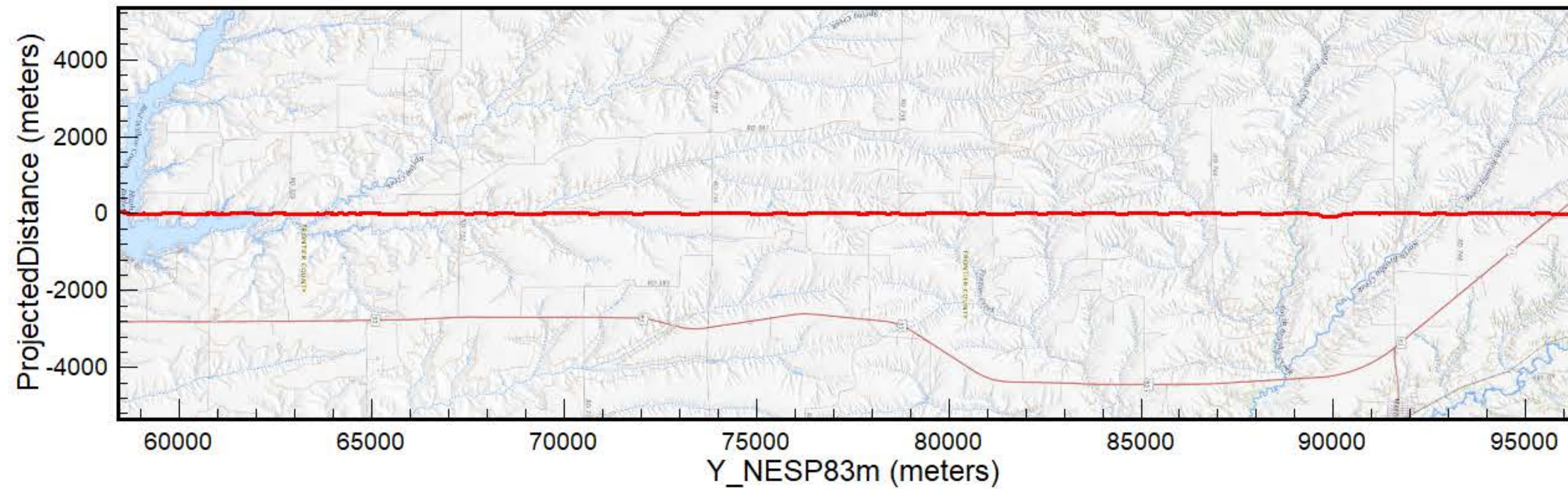
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Prepared for the MRNRD by Aqua Geo Frameworks, LLC.

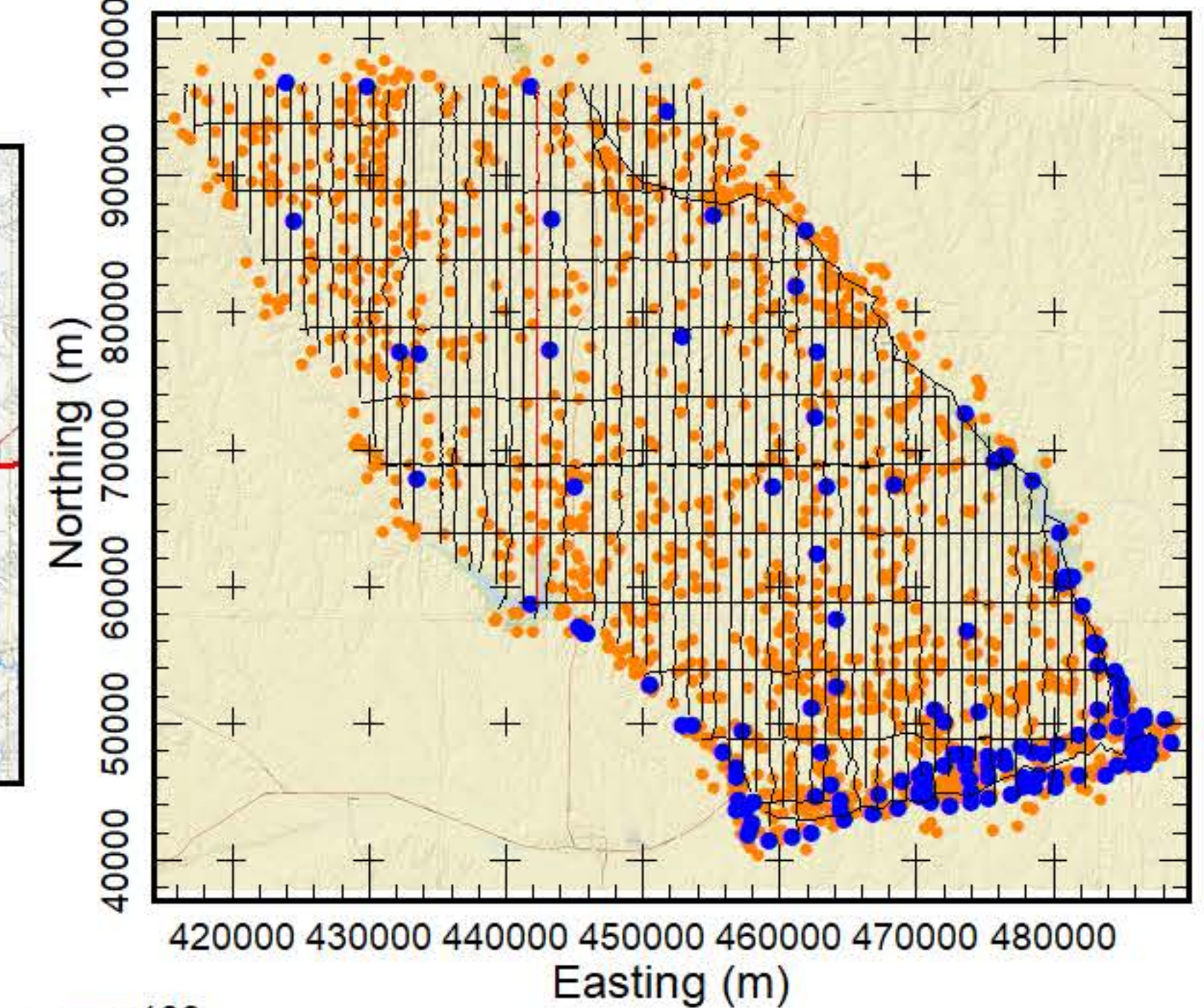




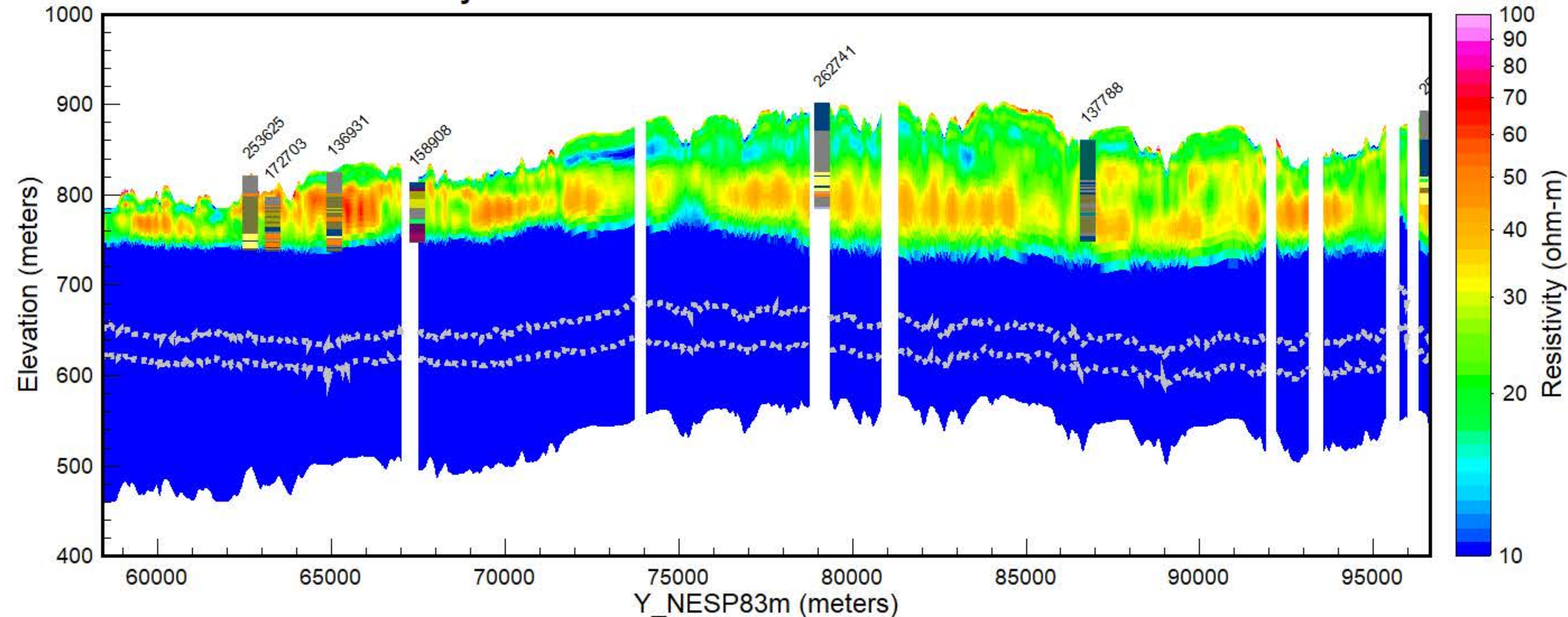
Flight Path Line L502602



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L502602



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

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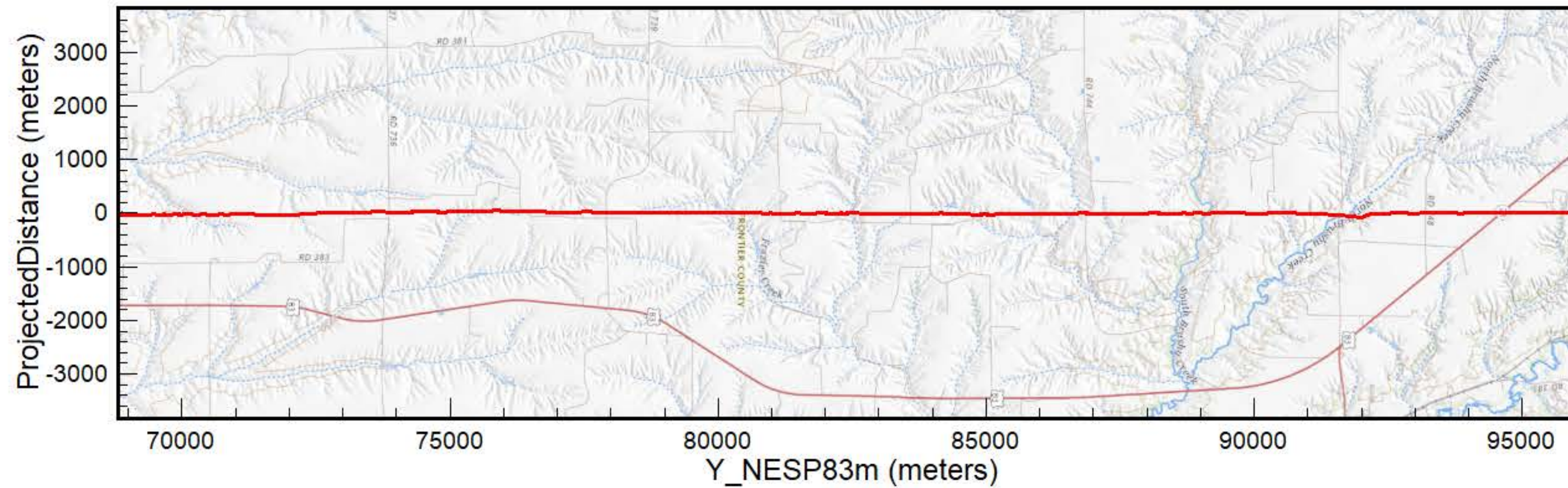
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Prepared for the MRNRD by Aqua Geo Frameworks, LLC.

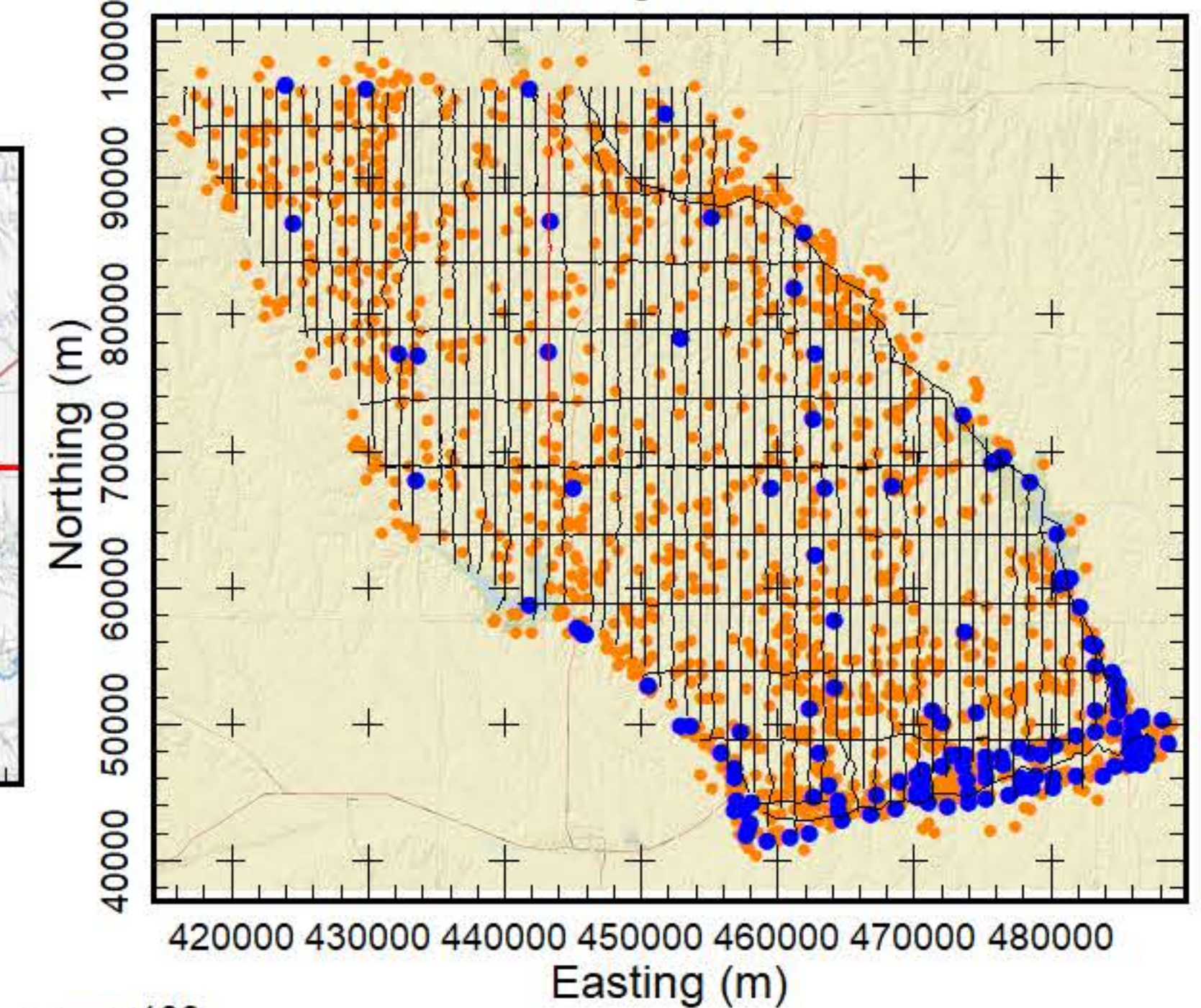




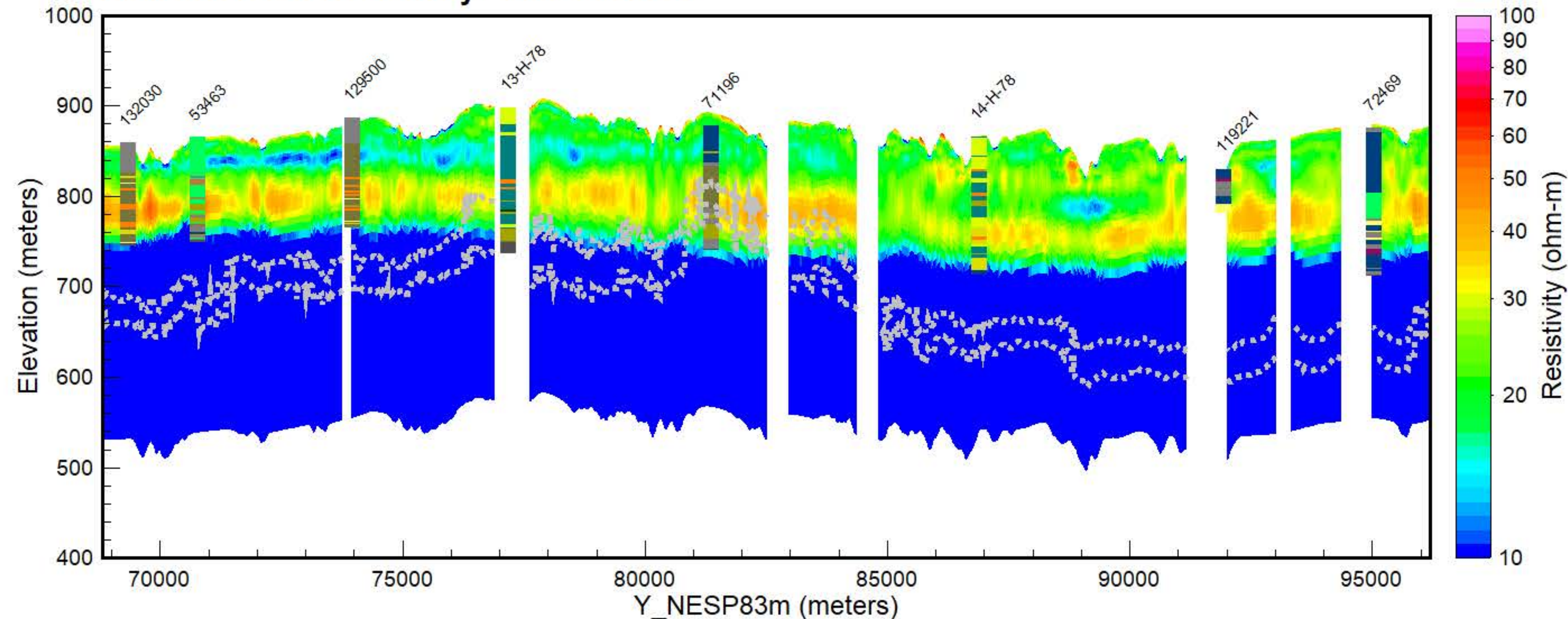
Flight Path Line L502701



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L502701



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

The red line on the Flight Path Map (USGS 100K Topo Map) indicates the location of the data collection.

The MRNRD AEM Survey Area map displays the total survey lines as black lines with the current flight line highlighted in red on a general map of the area. The blue dots represent the Conservation Survey Division (CSD) test holes public website downloaded on June 19, 2022 and the orange dots represent the Nebraska Department of Natural Resources (NE-DNR) Registered well database downloaded June 23, 2022.

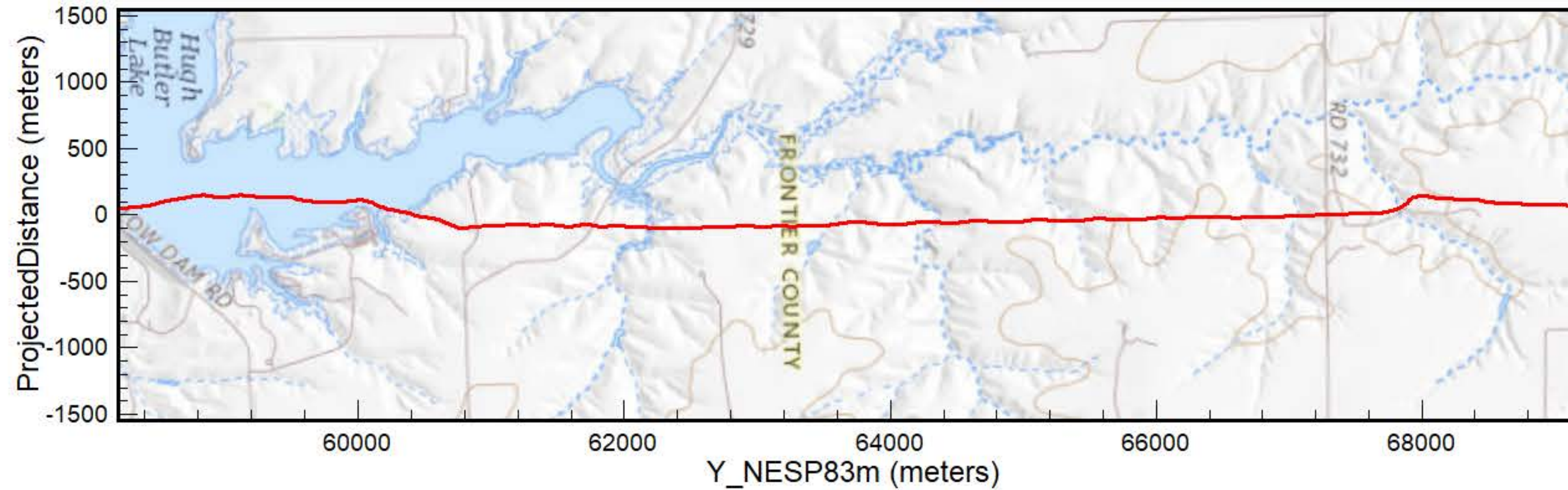
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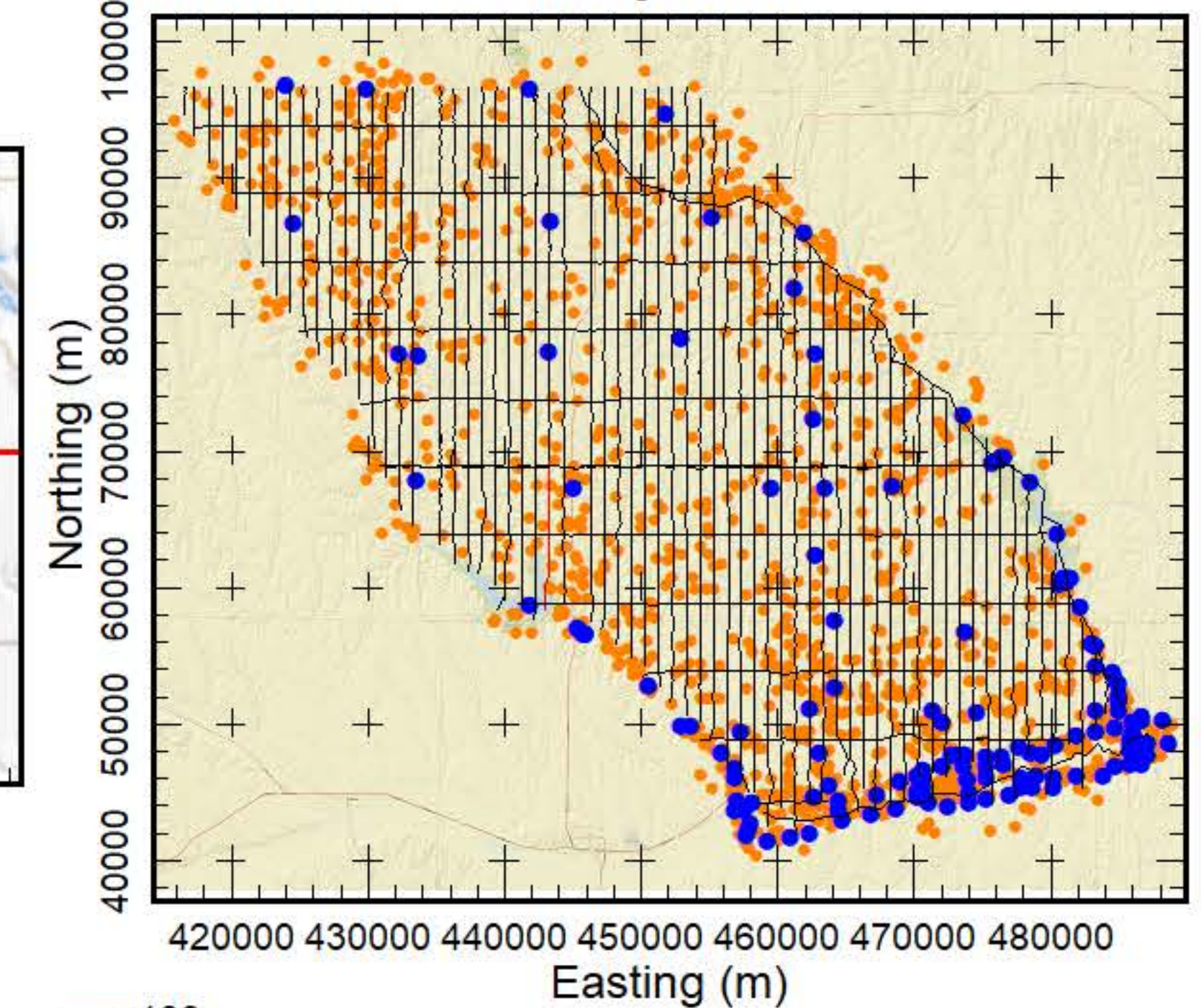




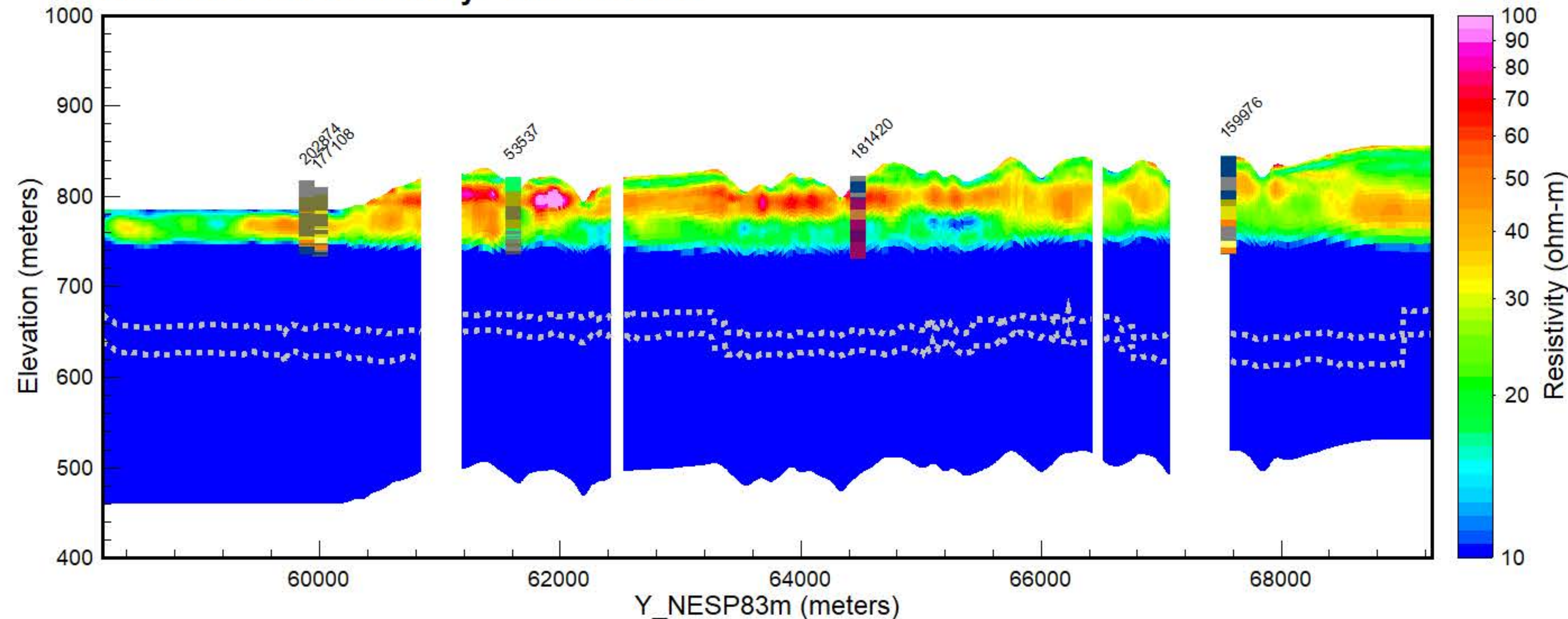
Flight Path Line L502702



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L502702



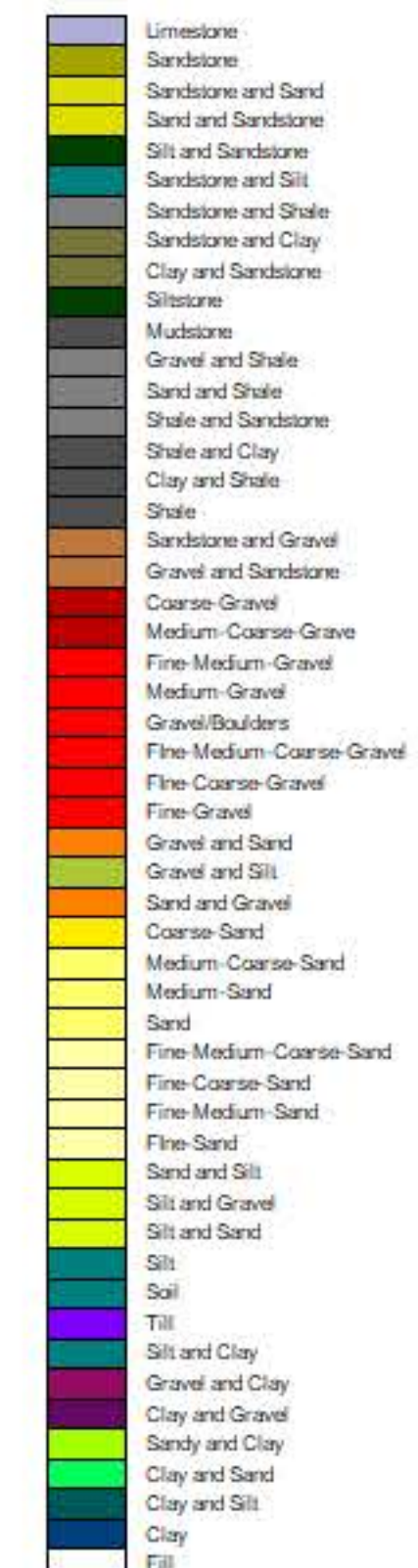
Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

The red line on the Flight Path Map (USGS 100K Topo Map) indicates the location of the data collection.

The MRNRD AEM Survey Area map displays the total survey lines as black lines with the current flight line highlighted in red on a general map of the area. The blue dots represent the Conservation Survey Division (CSD) test holes public website downloaded on June 19, 2022 and the orange dots represent the Nebraska Department of Natural Resources (NE-DNR) Registered well database downloaded June 23, 2022.

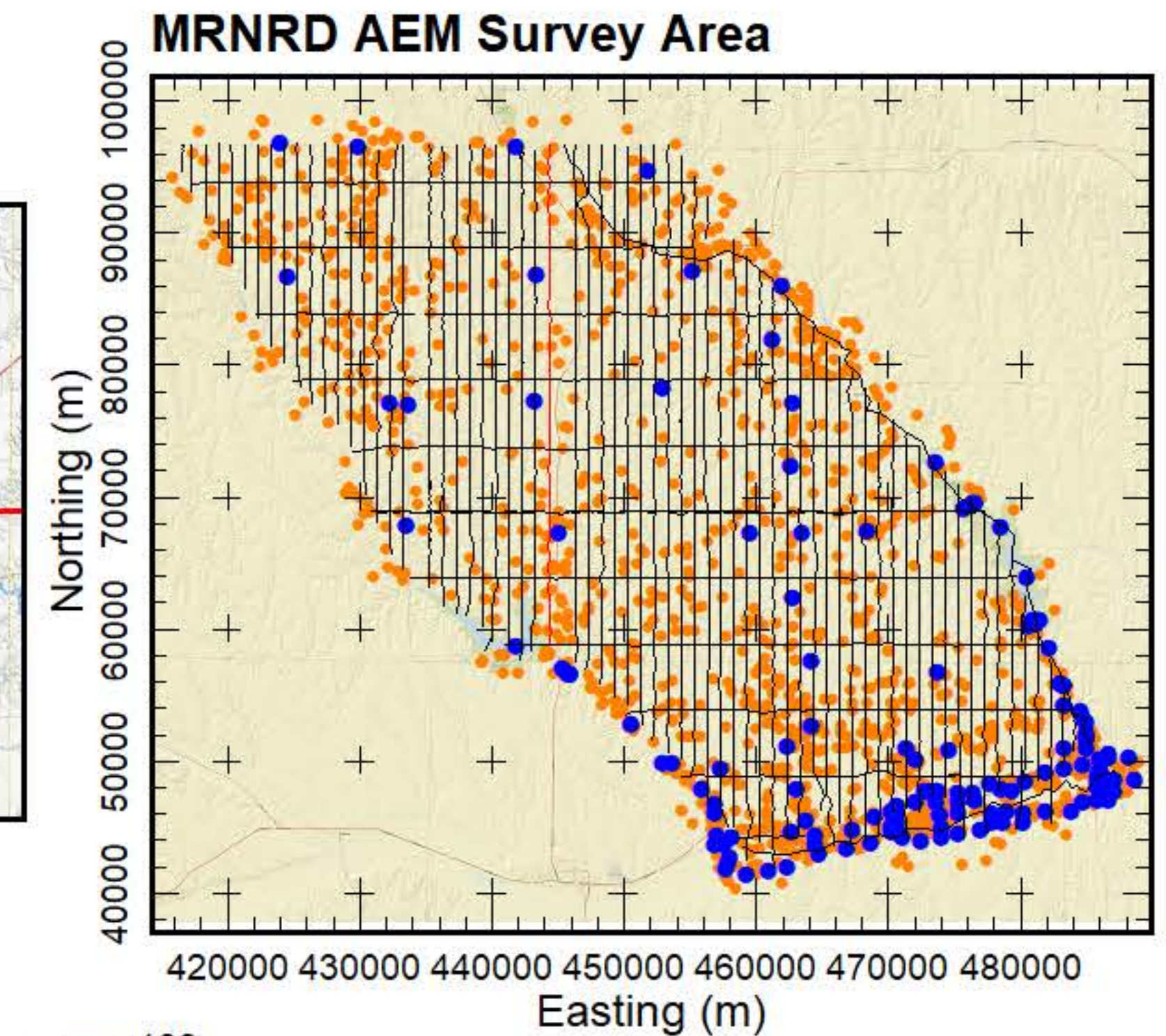
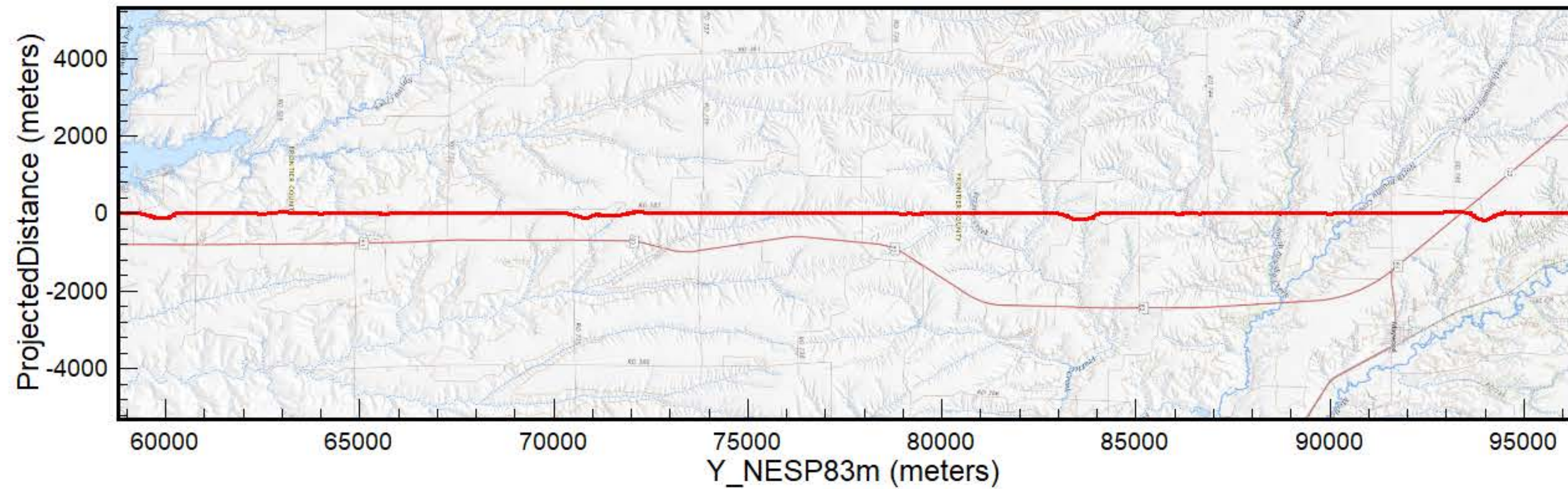
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Prepared for the MRNRD by Aqua Geo Frameworks, LLC.

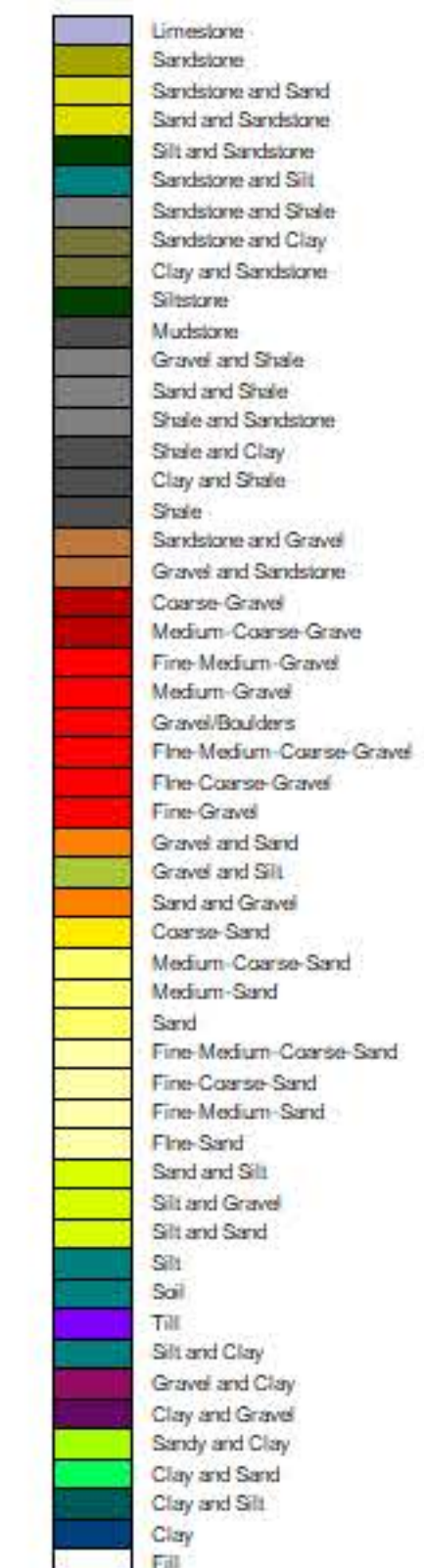
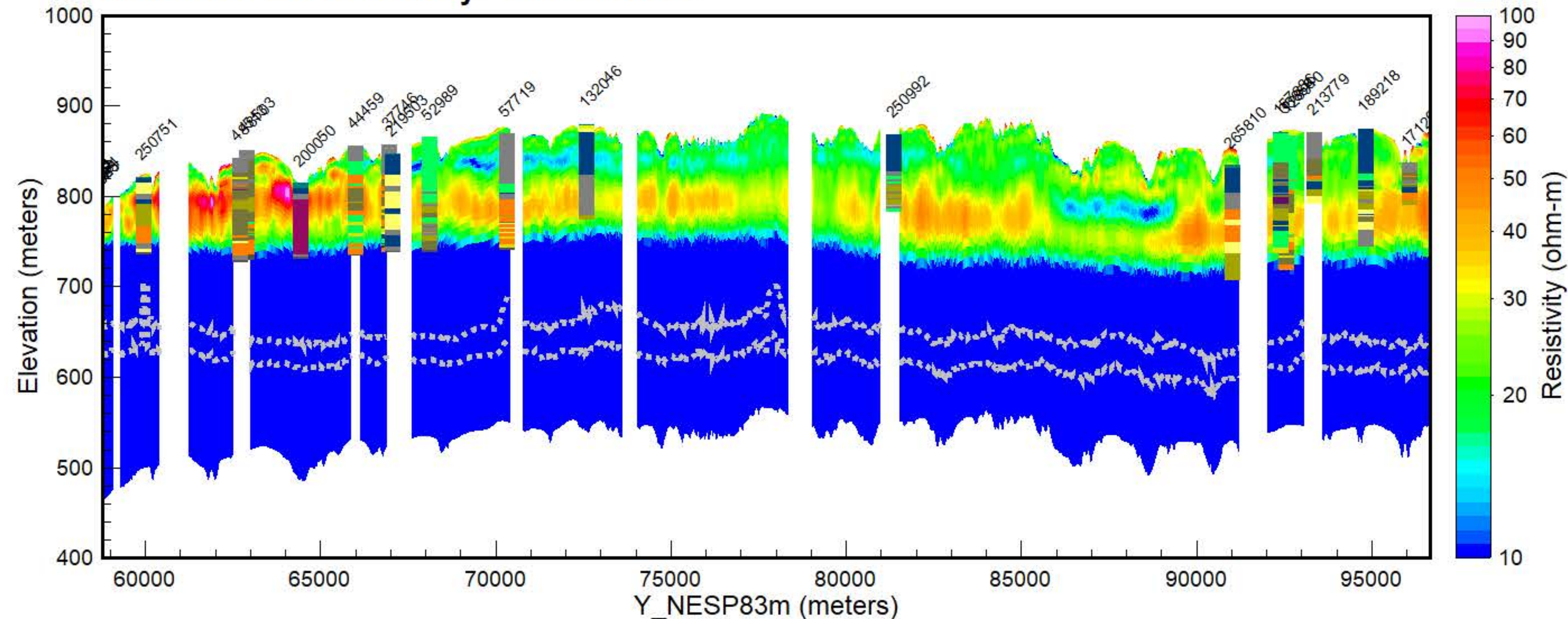




Flight Path Line L502801



AEM Inversion Resistivity Line L502801



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

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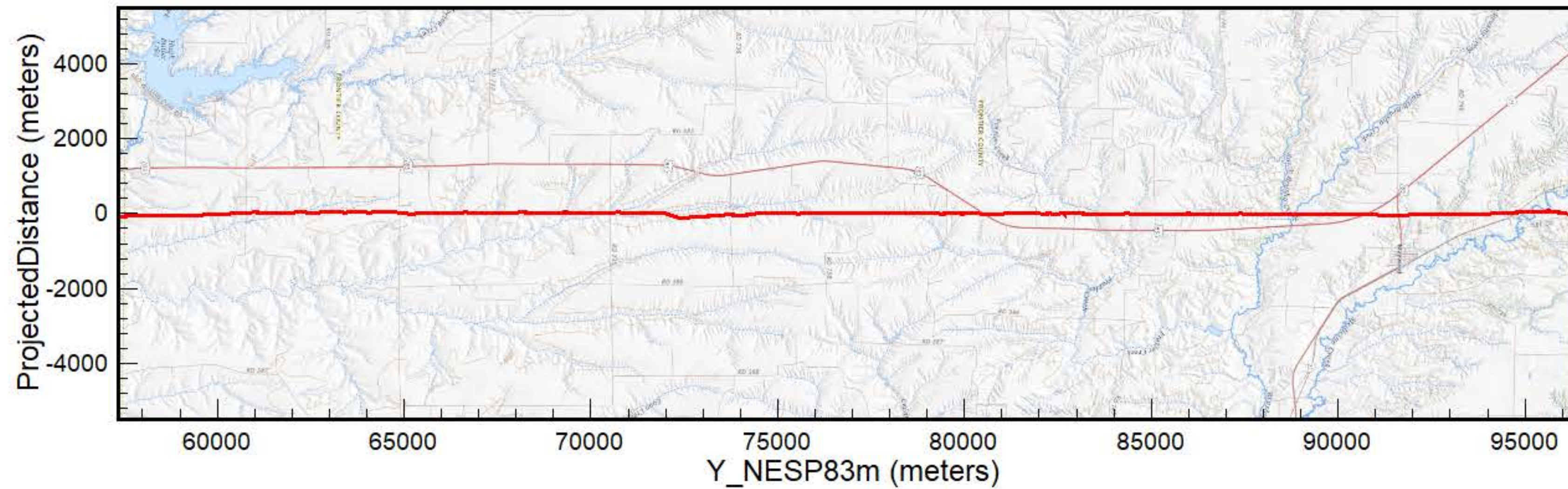
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Prepared for the MRNRD by Aqua Geo Frameworks, LLC.

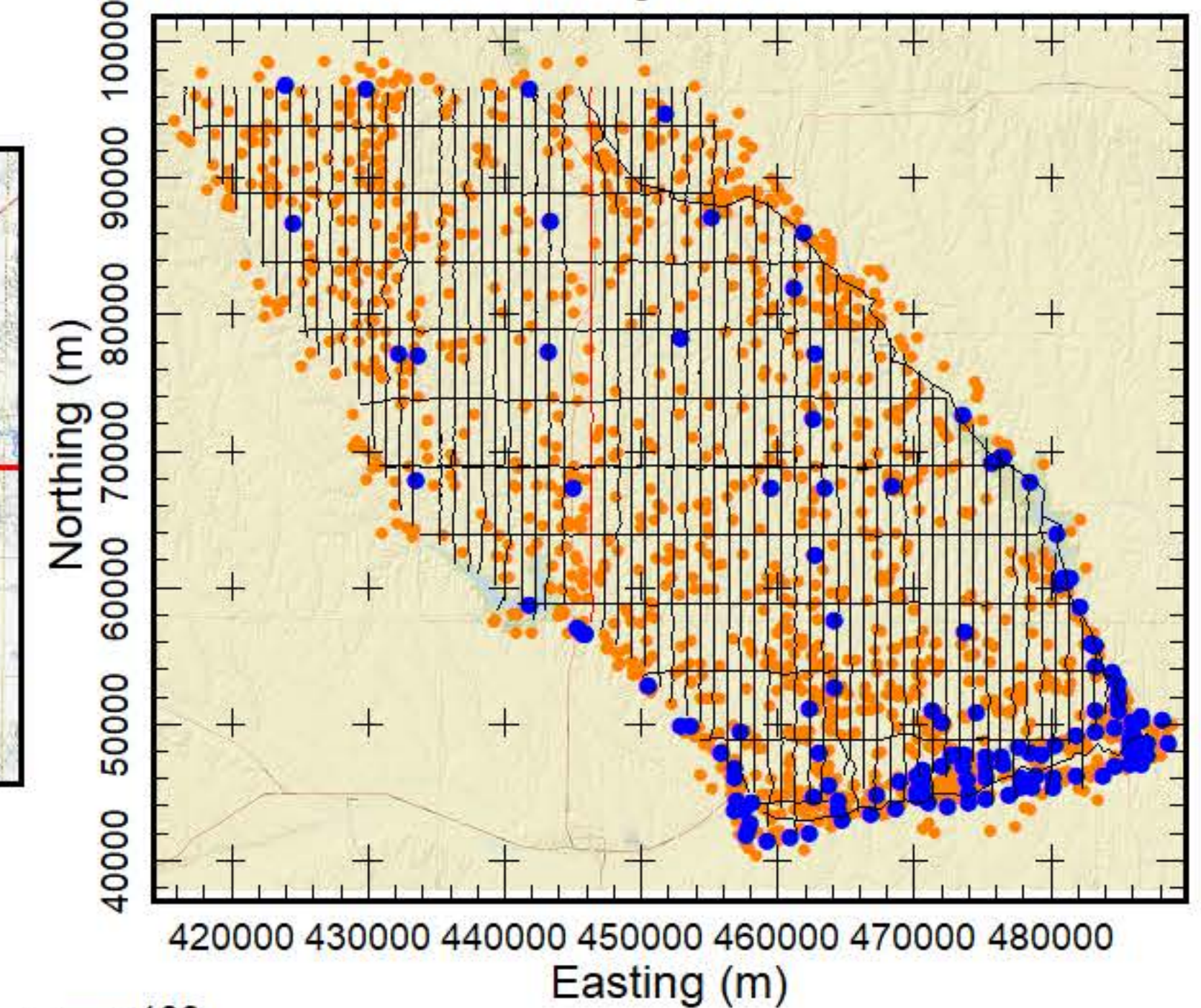




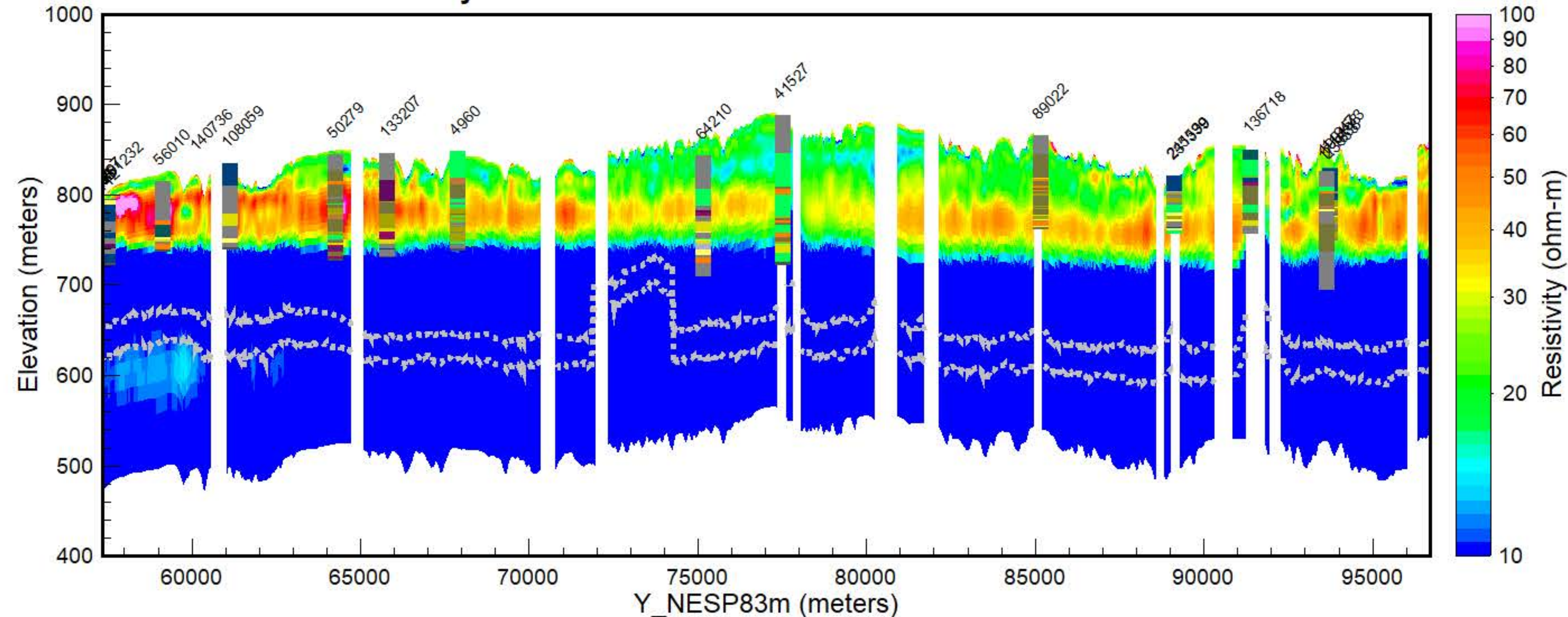
Flight Path Line L502901



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L502901



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

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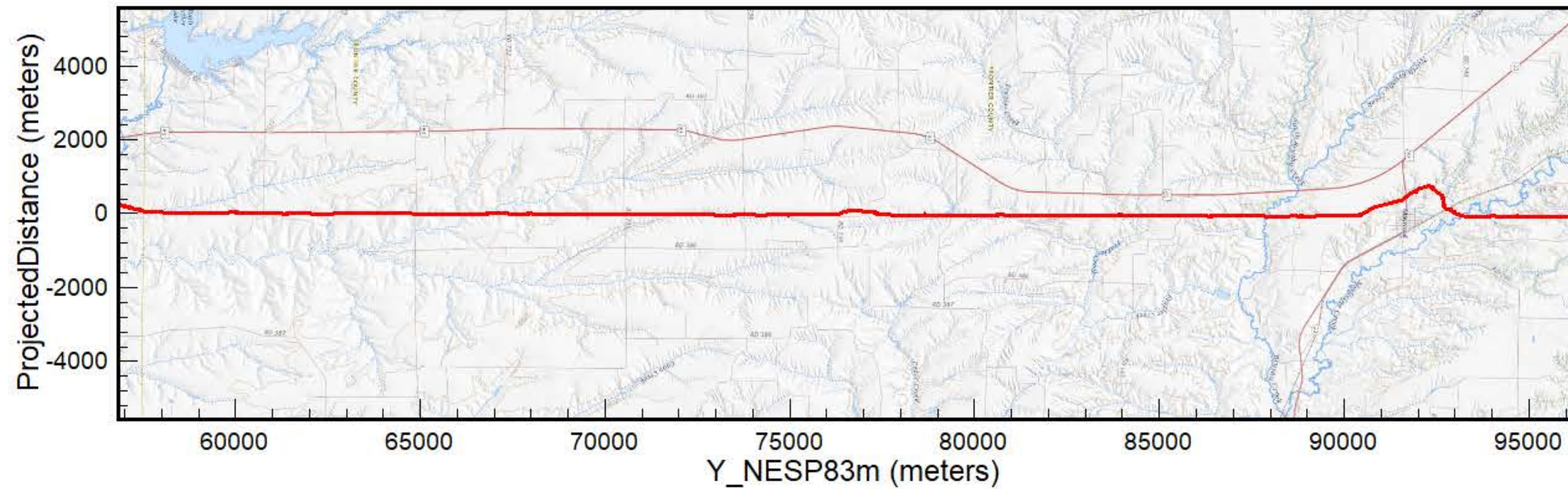
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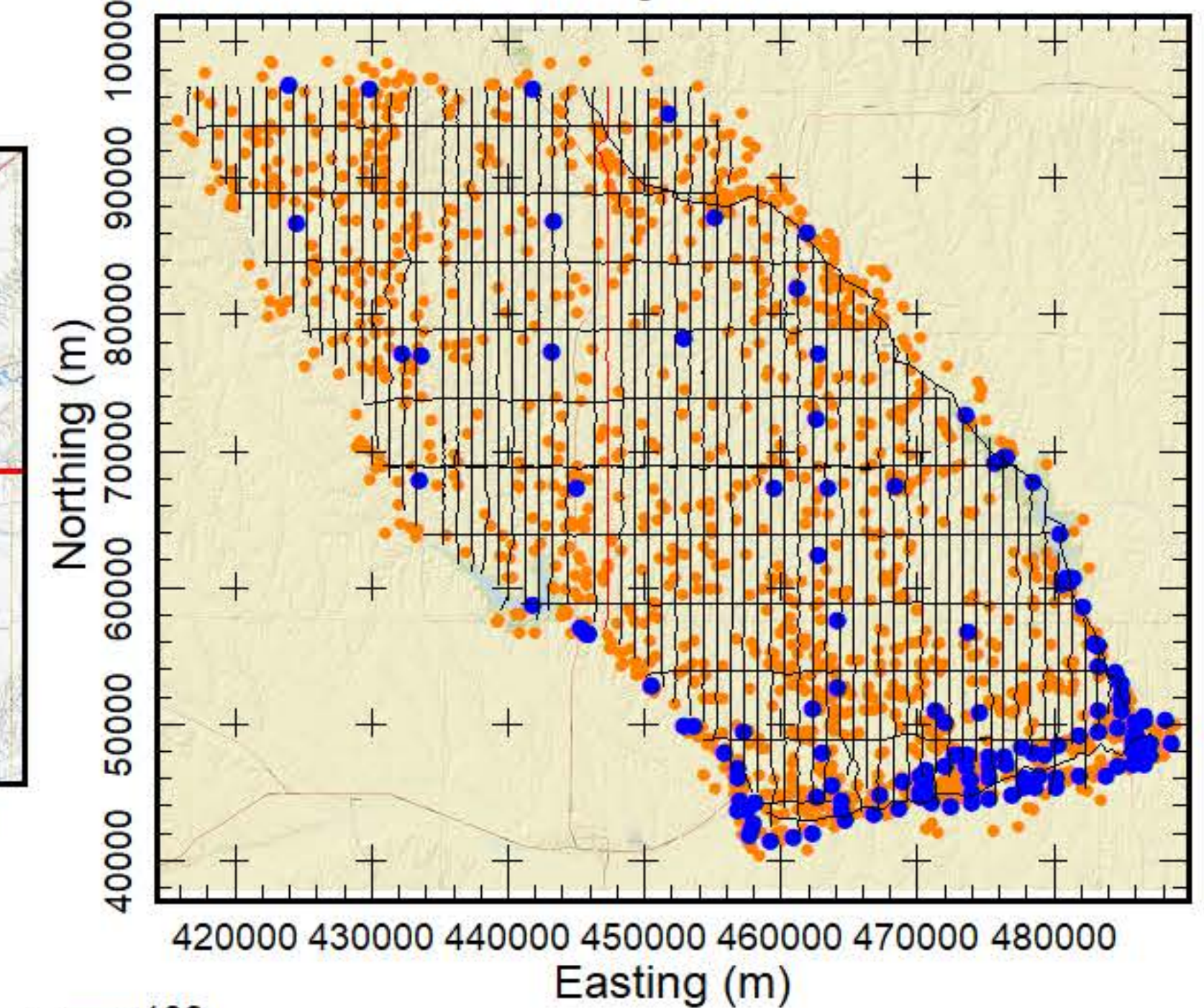




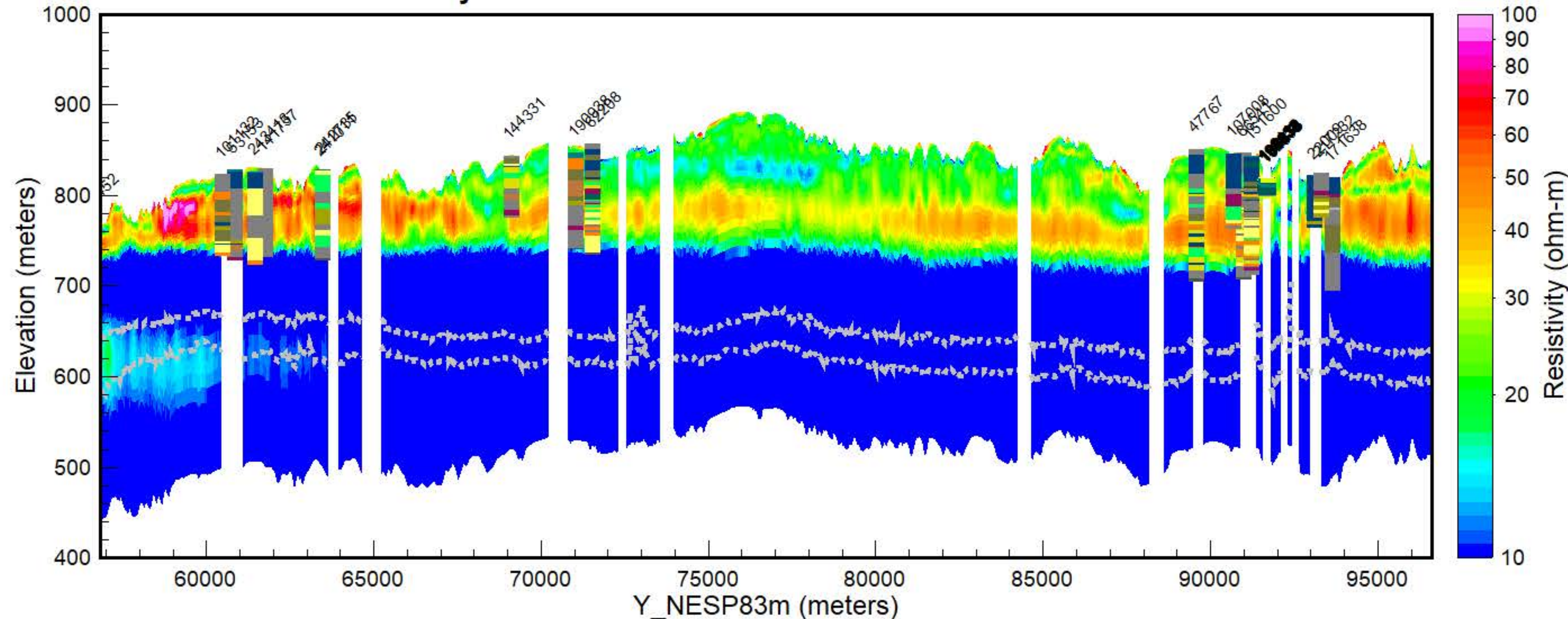
Flight Path Line L503001



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L503001



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

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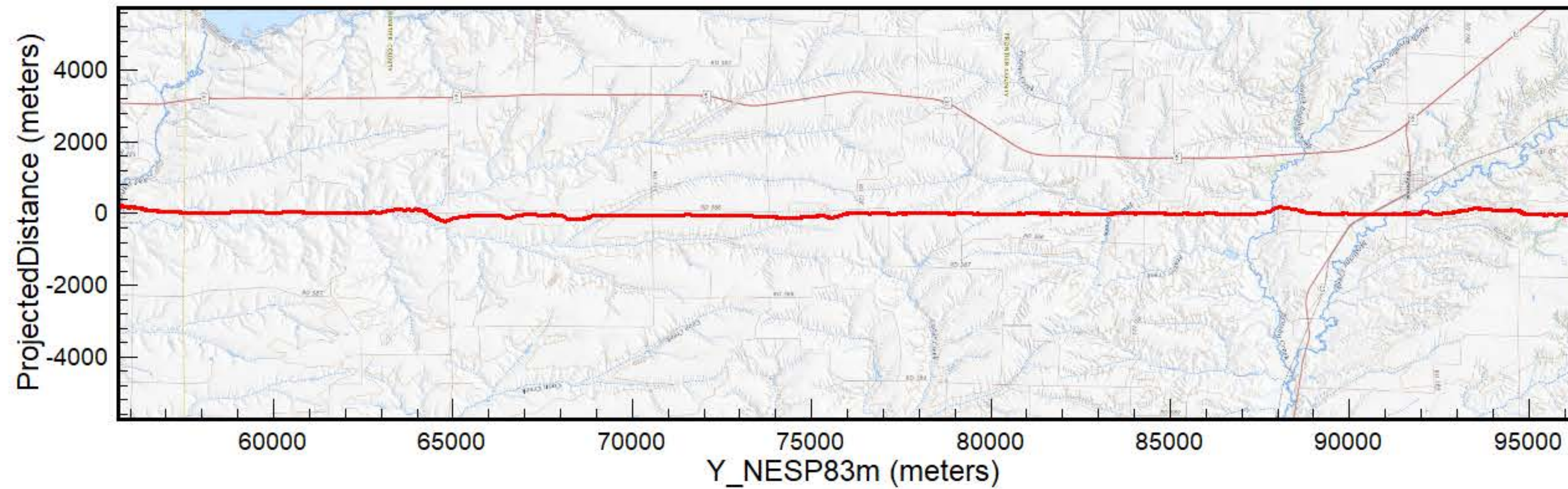
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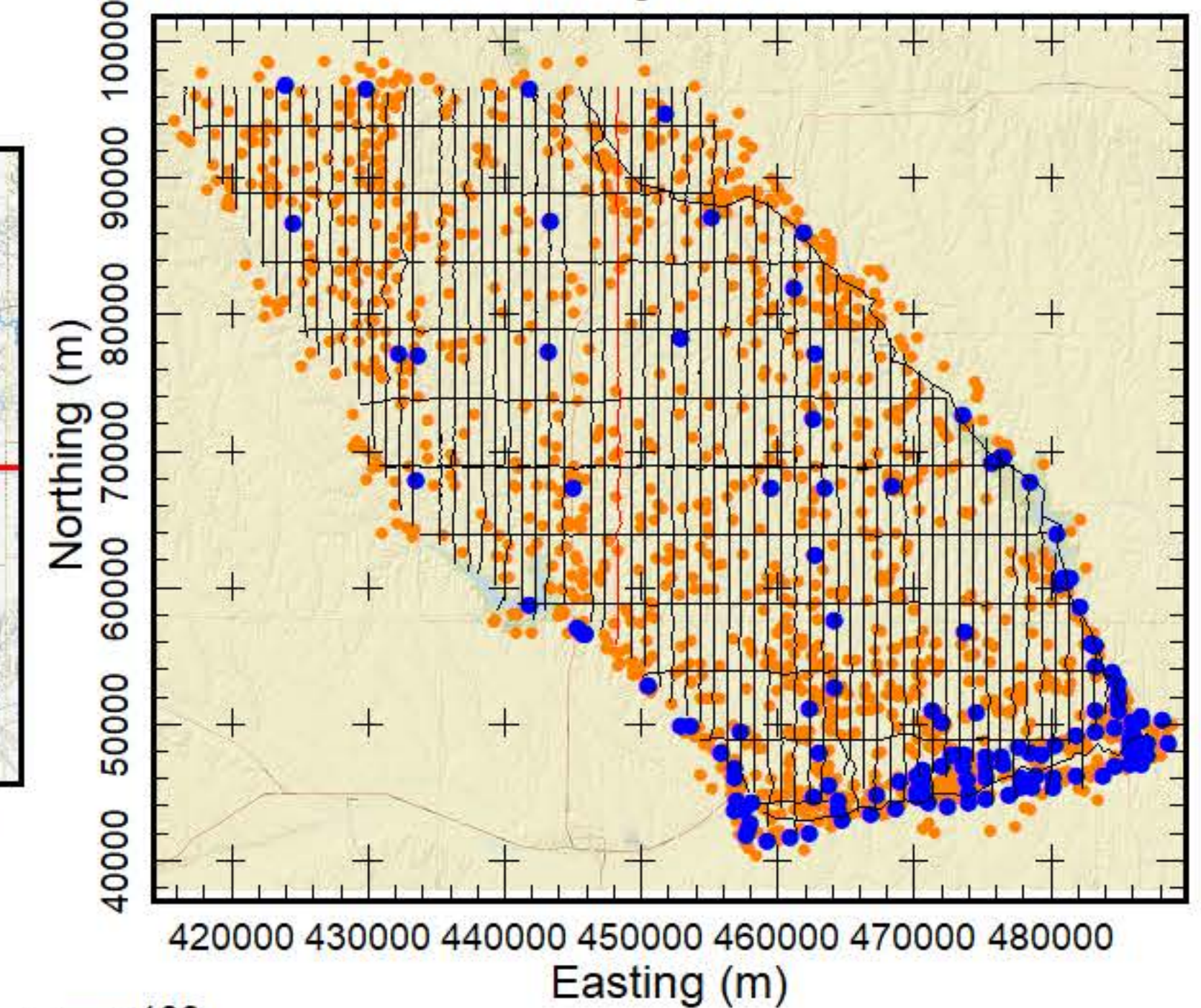




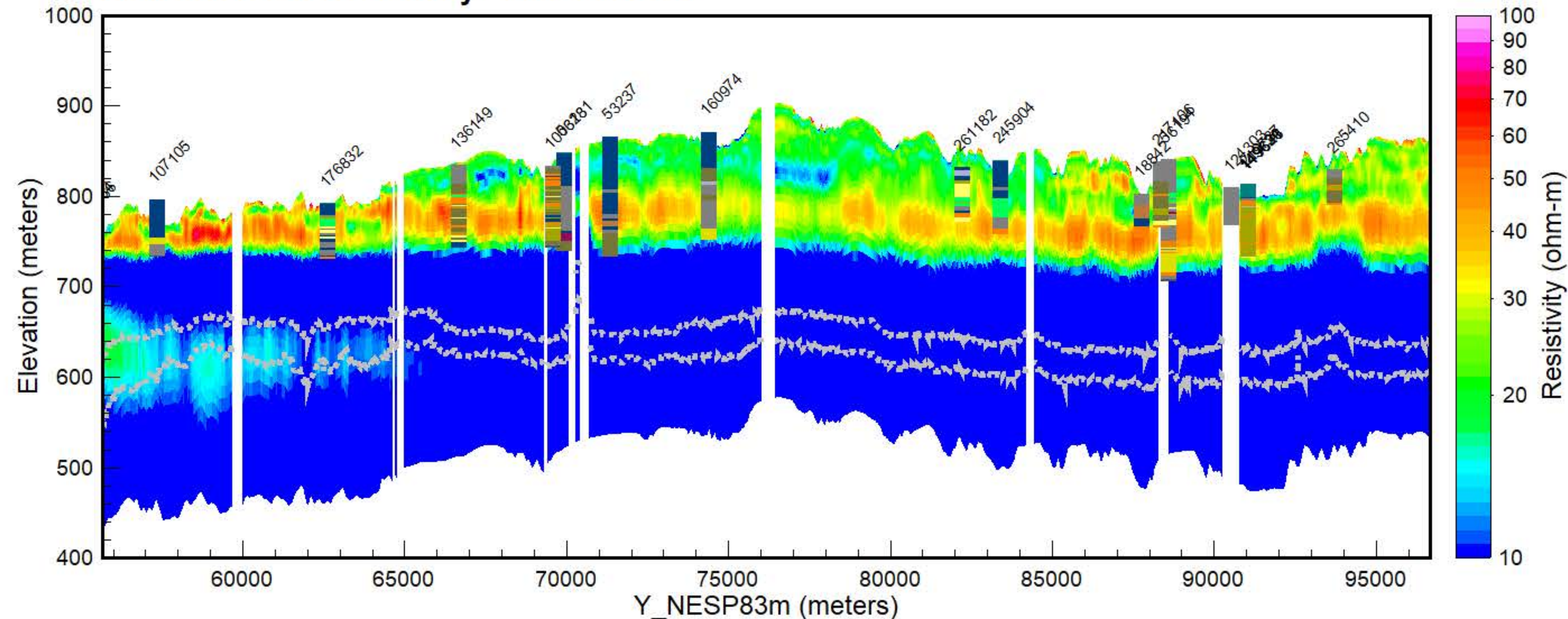
Flight Path Line L503101



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L503101



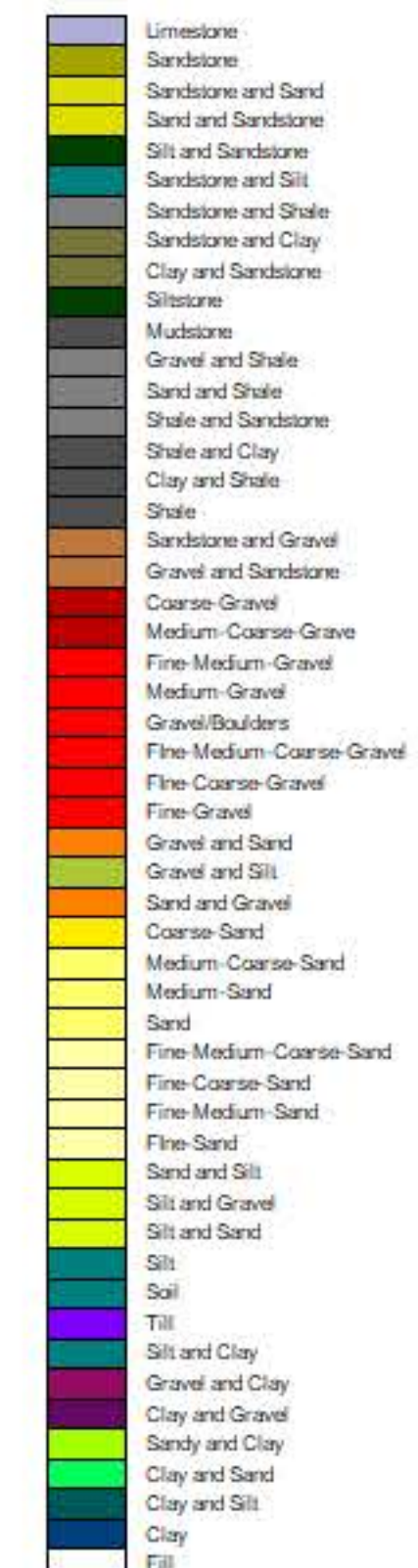
Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

The red line on the Flight Path Map (USGS 100K Topo Map) indicates the location of the data collection.

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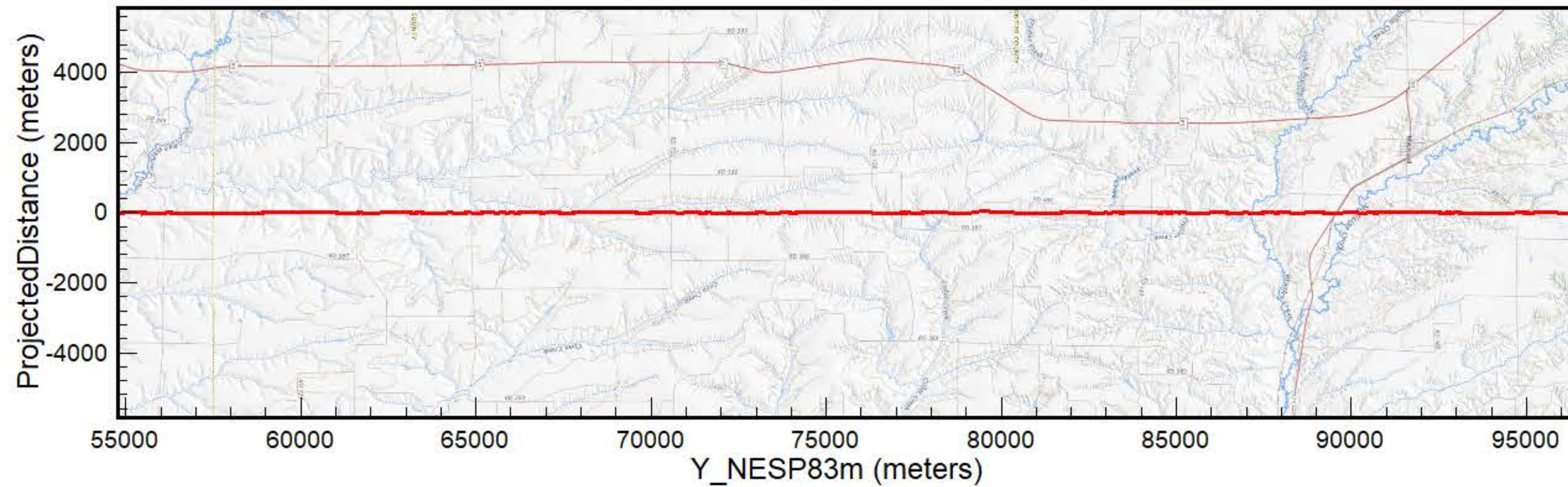
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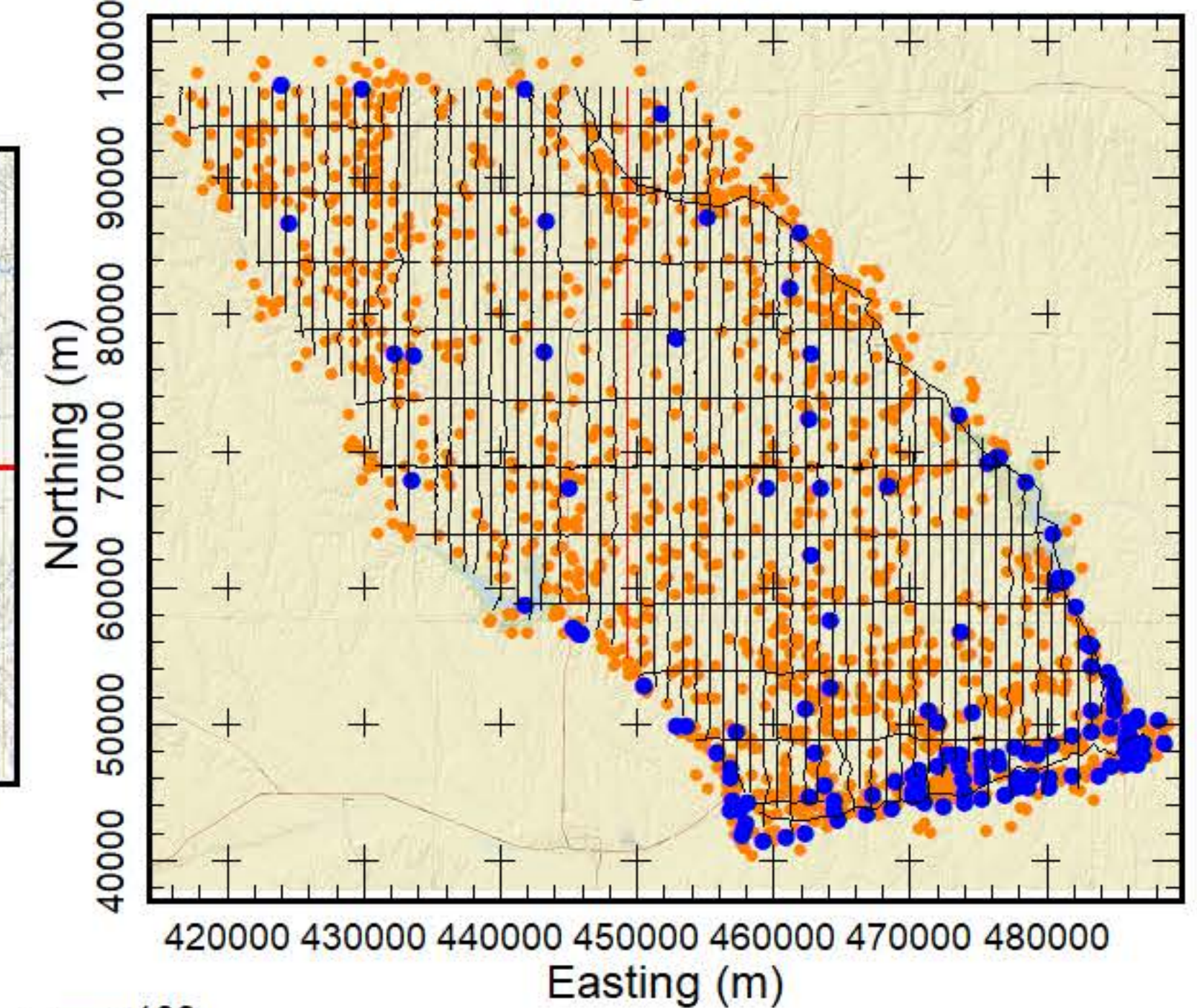




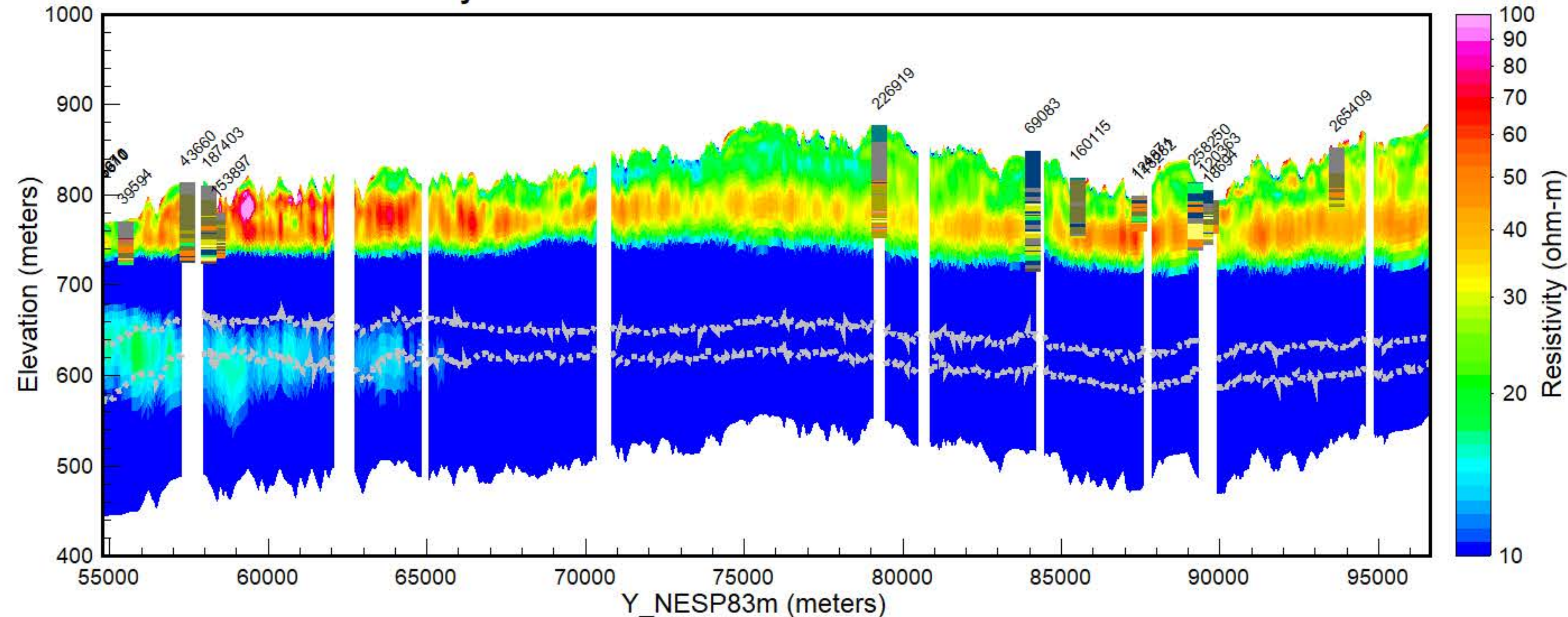
Flight Path Line L503201



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L503201



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

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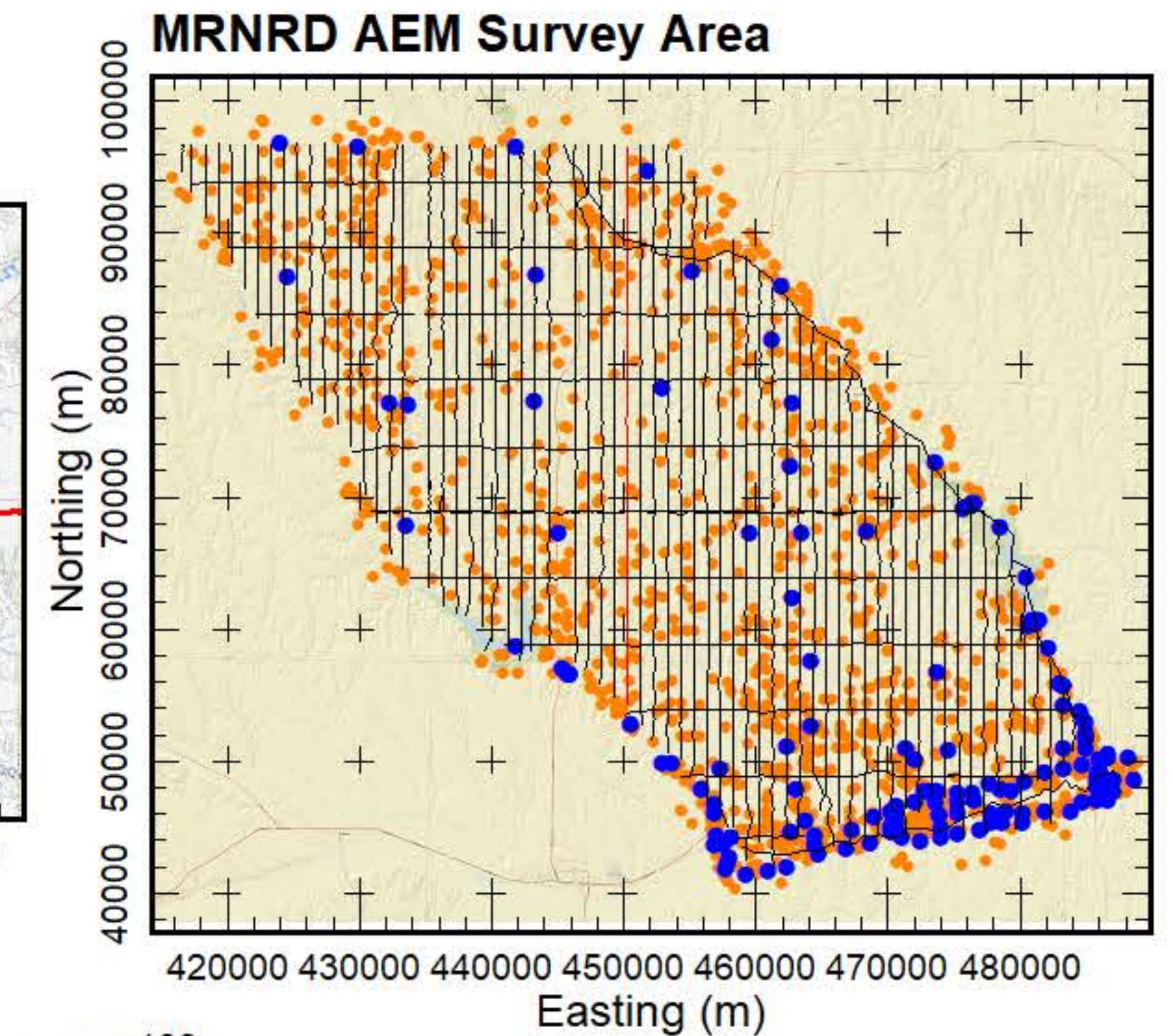
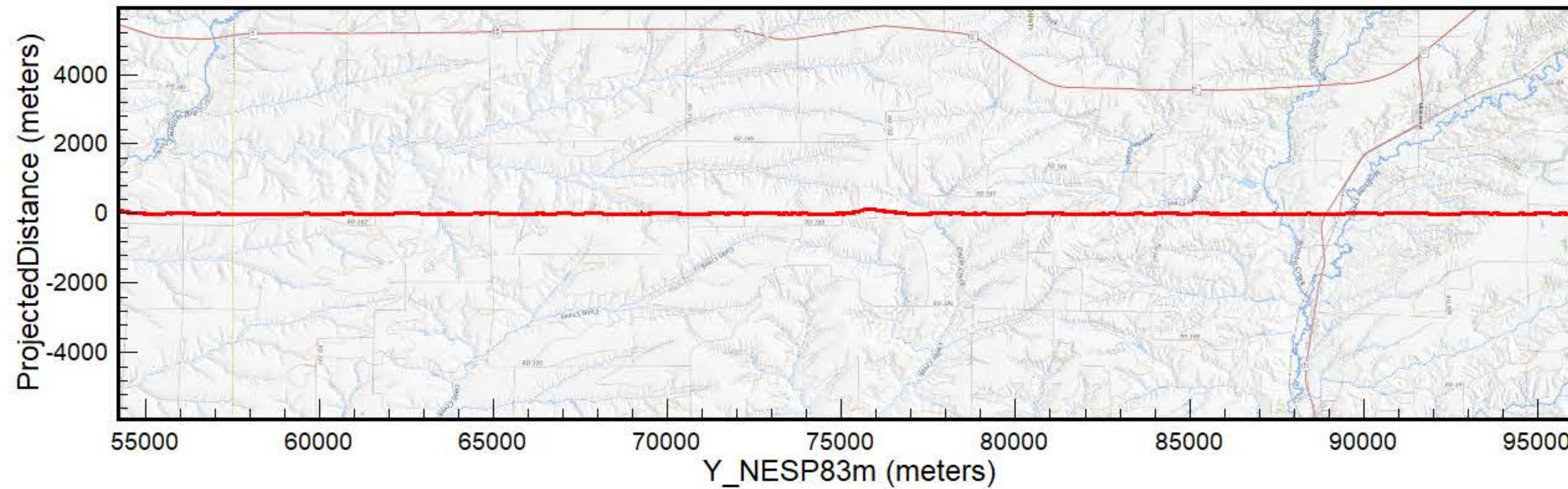
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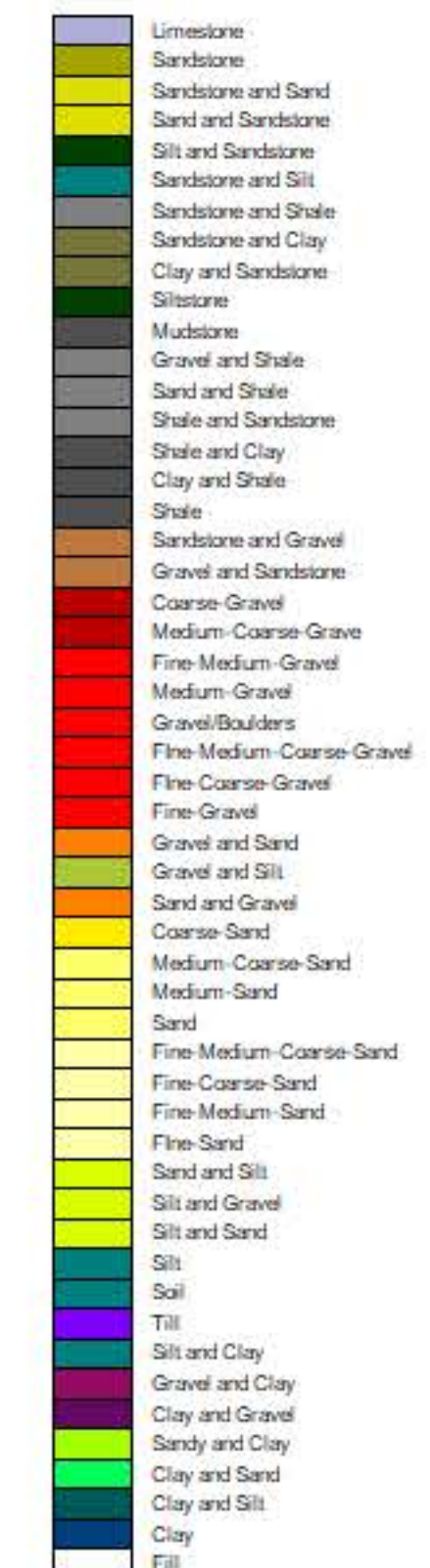
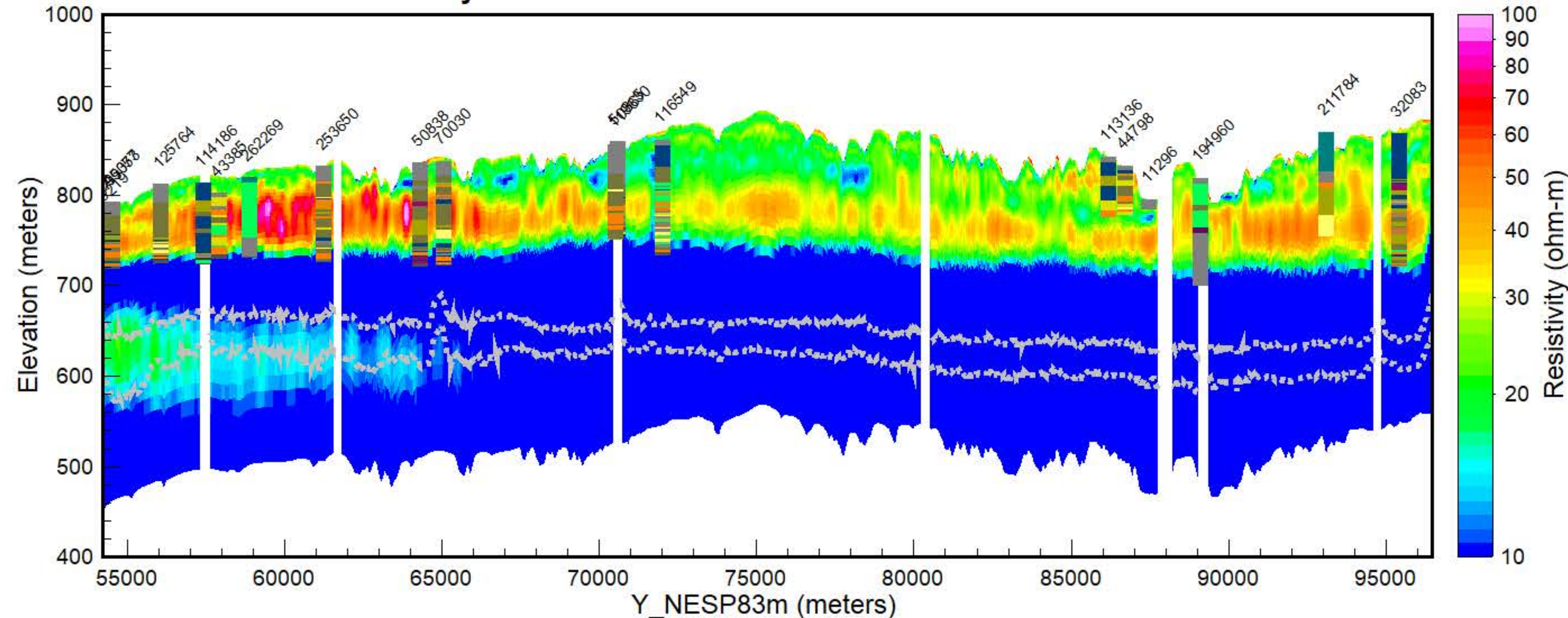




Flight Path Line L503301



AEM Inversion Resistivity Line L503301



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

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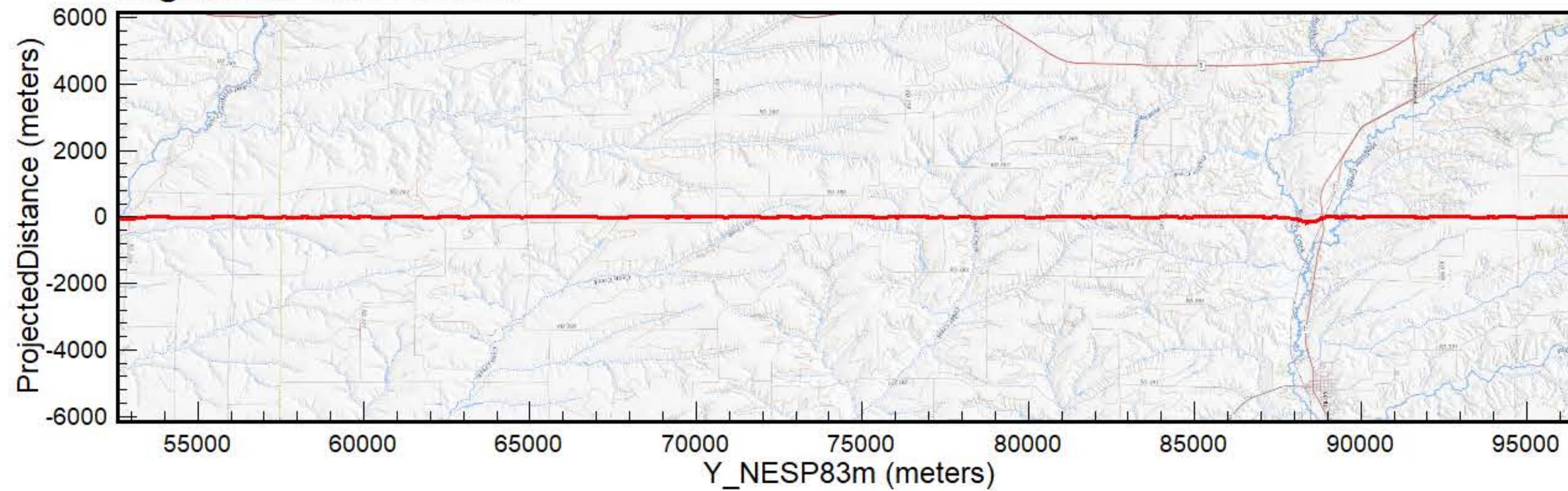
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Prepared for the MRNRD by Aqua Geo Frameworks, LLC.

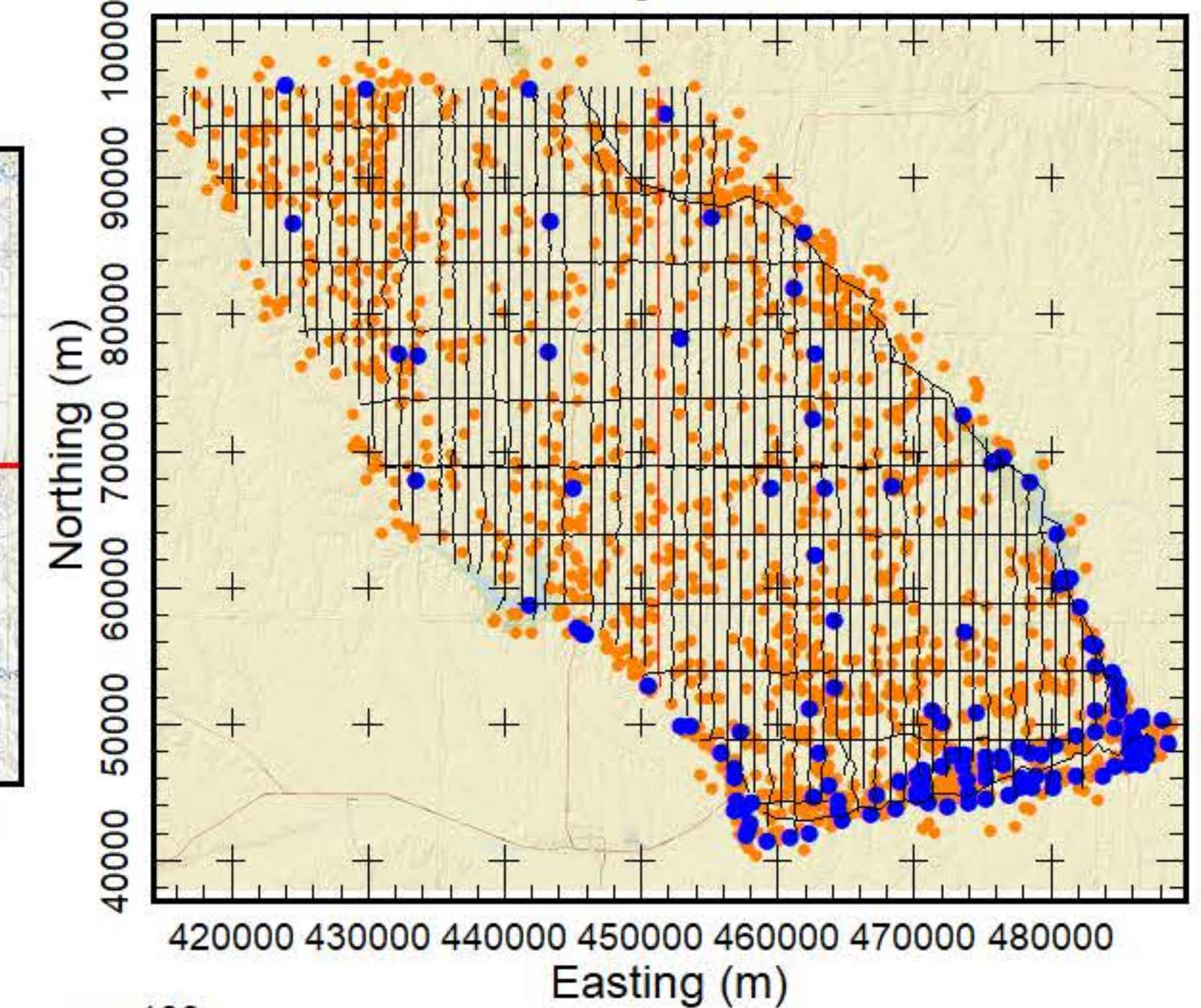




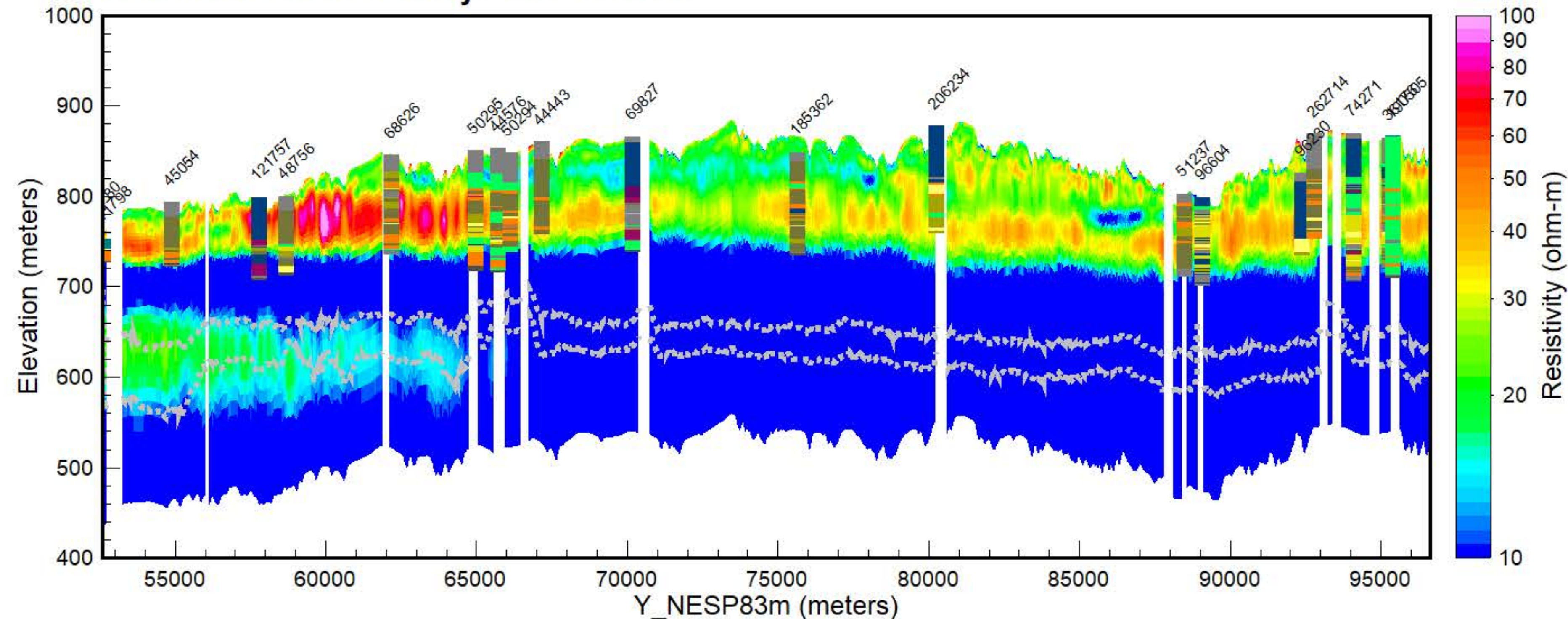
Flight Path Line L503401



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L503401



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

The red line on the Flight Path Map (USGS 100K Topo Map) indicates the location of the data collection.

The MRNRD AEM Survey Area map displays the total survey lines as black lines with the current flight line highlighted in red on a general map of the area. The blue dots represent the Conservation Survey Division (CSD) test holes public website downloaded on June 19, 2022 and the orange dots represent the Nebraska Department of Natural Resources (NE-DNR) Registered well database downloaded June 23, 2022.

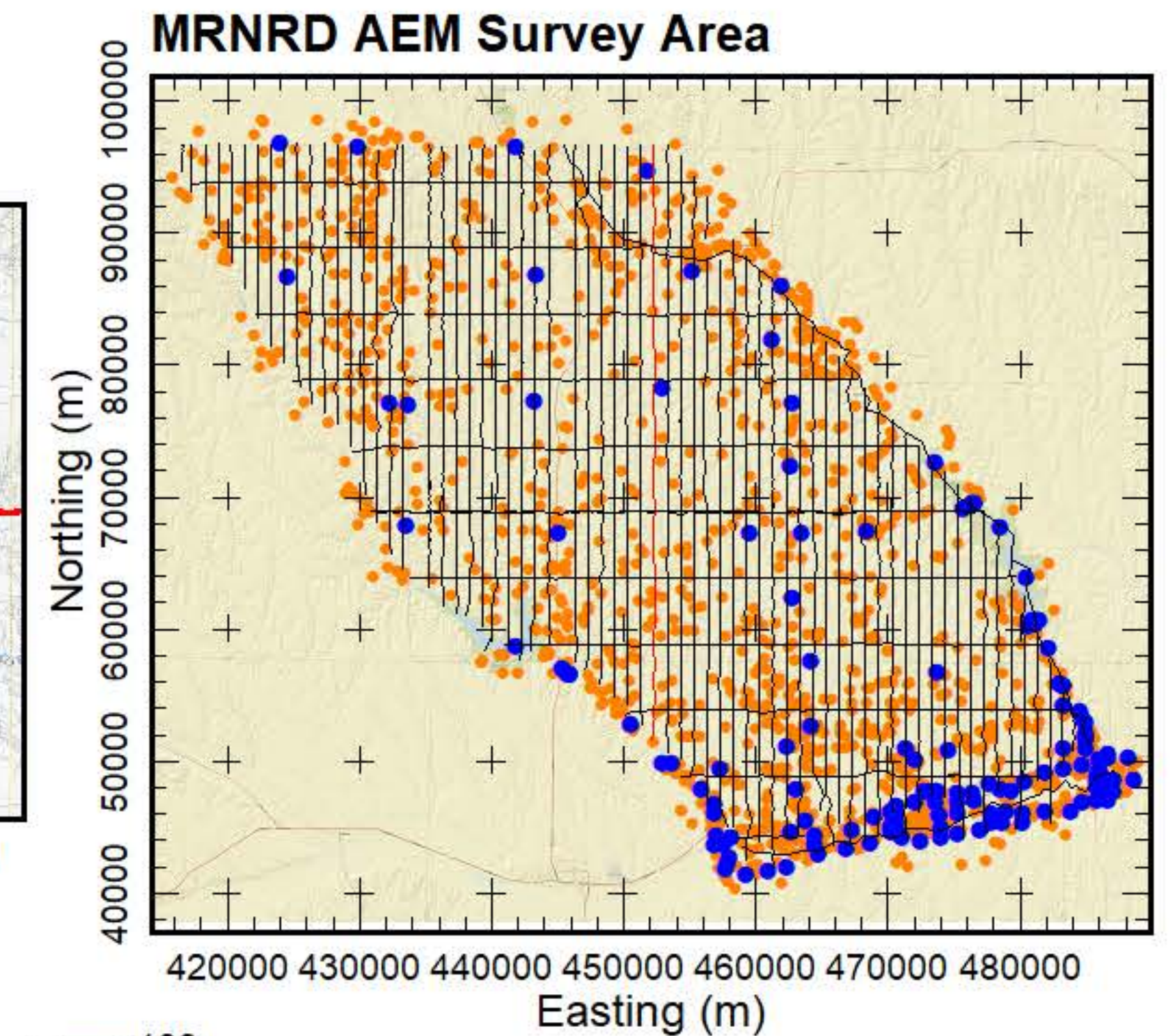
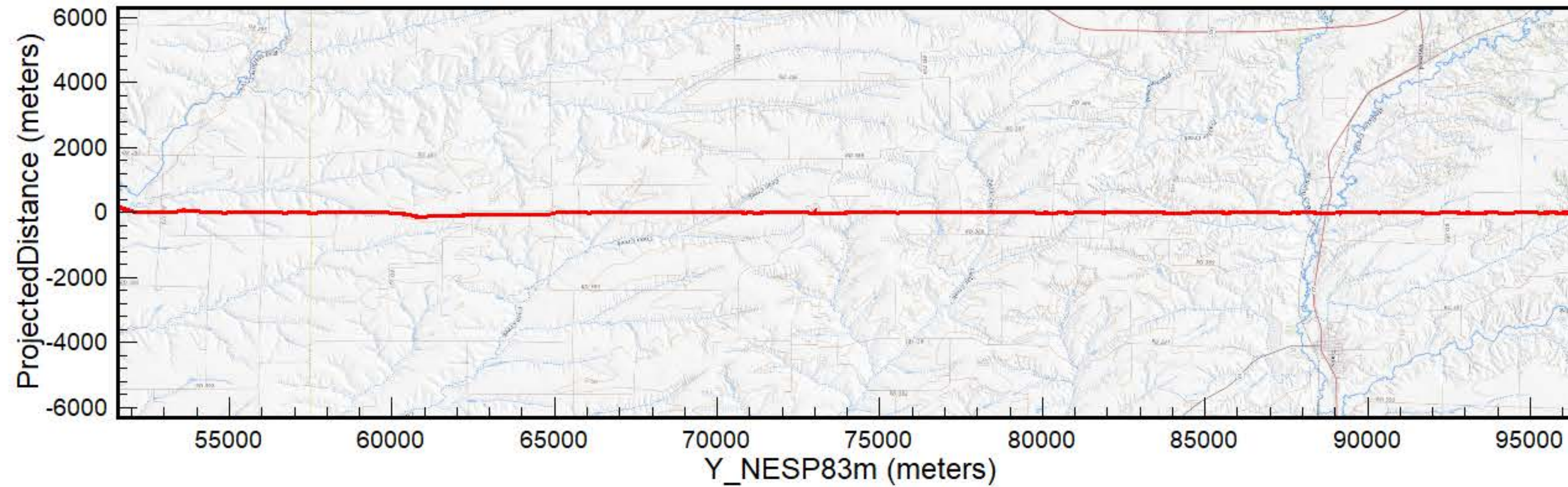
The AEM inversions resistivity shown as profiles are Spatially-Constrained (SCI) using the Aarhus Geo Software Workbench version 6.7.0.0 and are displayed in the indicated electrical resistivity color scale. Boreholes CSD and NE-DNR displayed on the AEM inversion profile are within 500 meters of the flight line. Lithology is indicated by the legend. Gray-dashed lines when visible on the AEM inversions profile indicate the estimated depth of investigation (DOI). White gaps in the AEM inversion profile indicate gaps in data coverage due to electromagnetic coupling or areas that were not flown due to infrastructure.

Prepared for the MRNRD by Aqua Geo Frameworks, LLC.

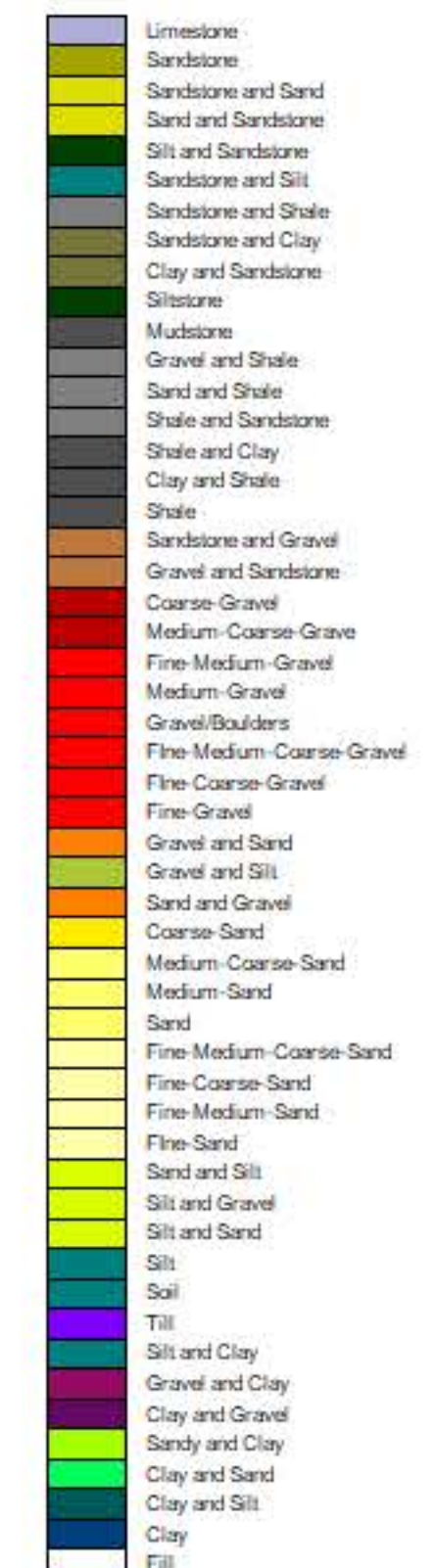
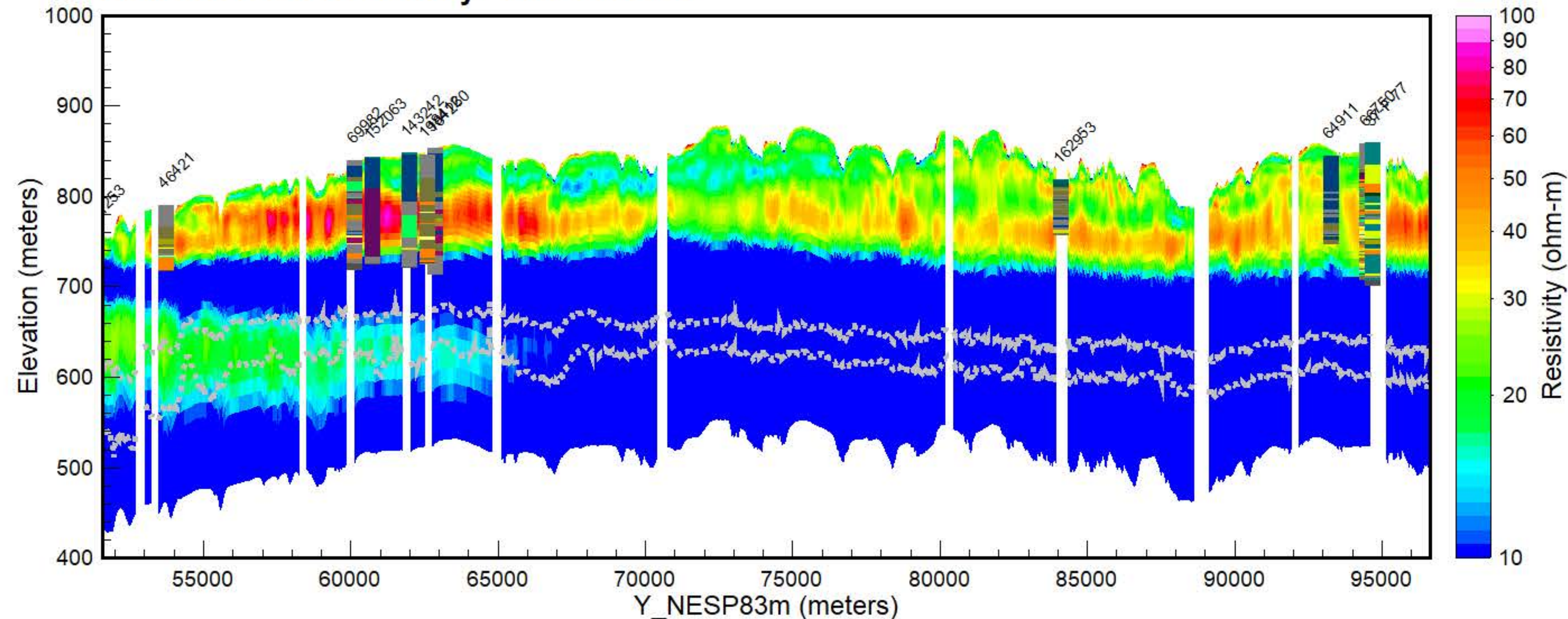




Flight Path Line L503501



AEM Inversion Resistivity Line L503501



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

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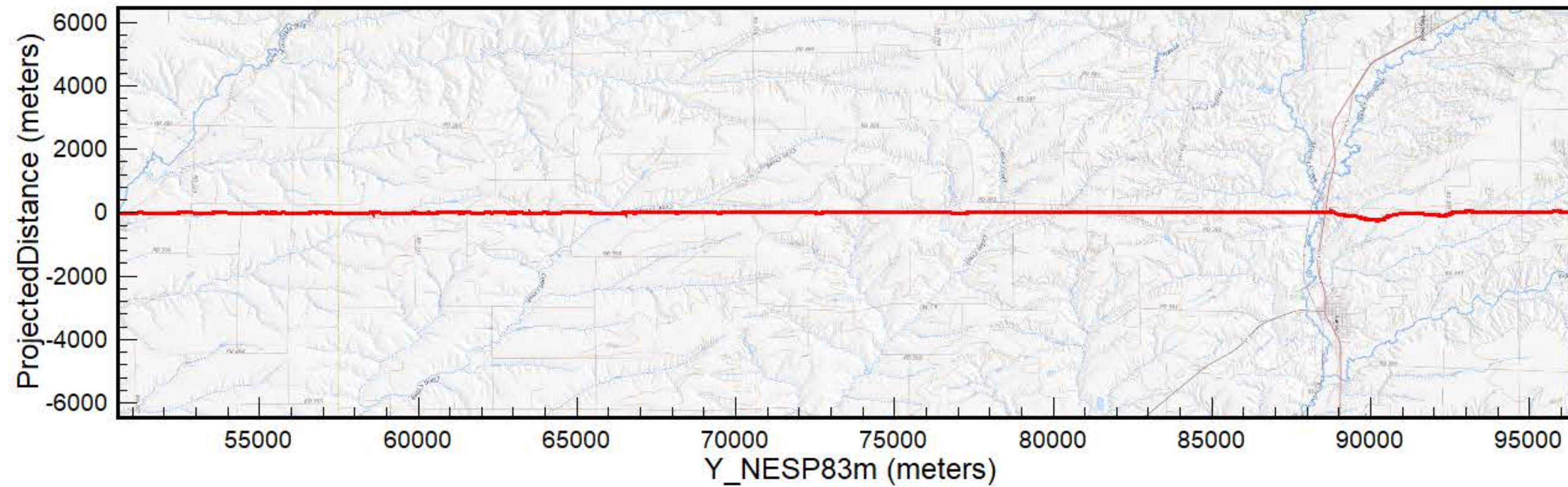
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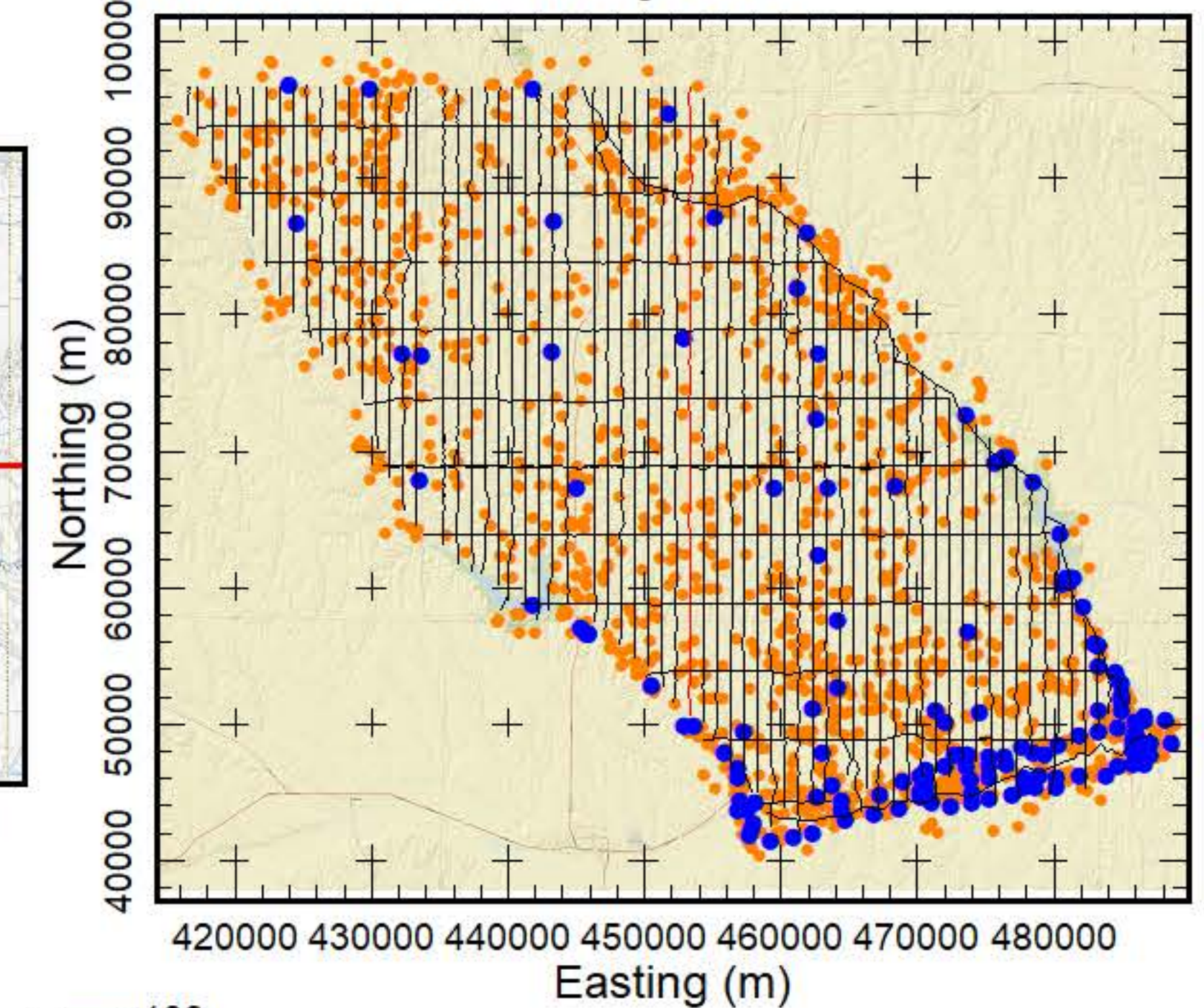




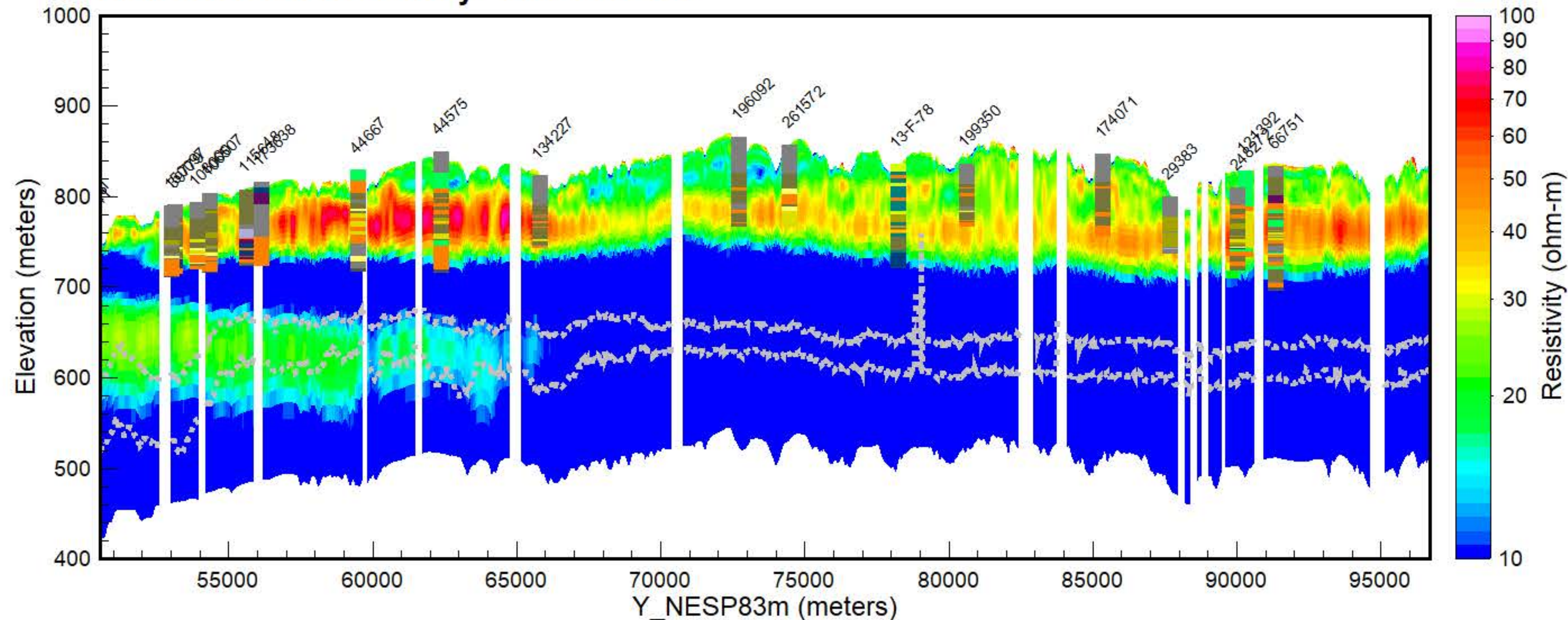
Flight Path Line L503601



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L503601



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

The red line on the Flight Path Map (USGS 100K Topo Map) indicates the location of the data collection.

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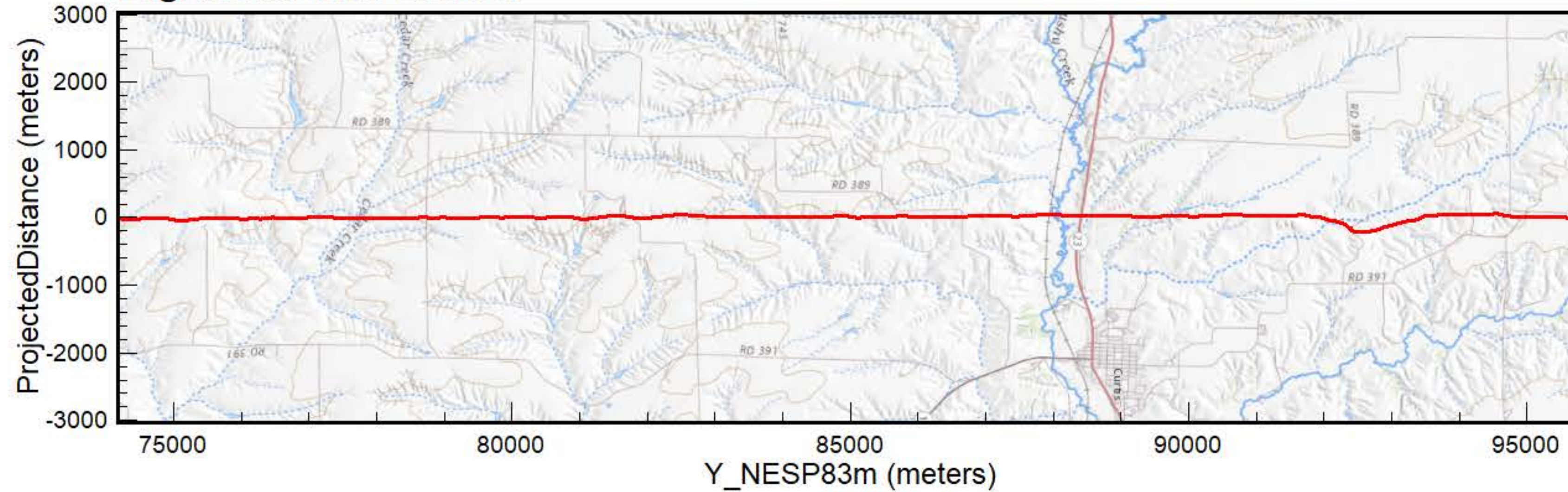
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Prepared for the MRNRD by Aqua Geo Frameworks, LLC.

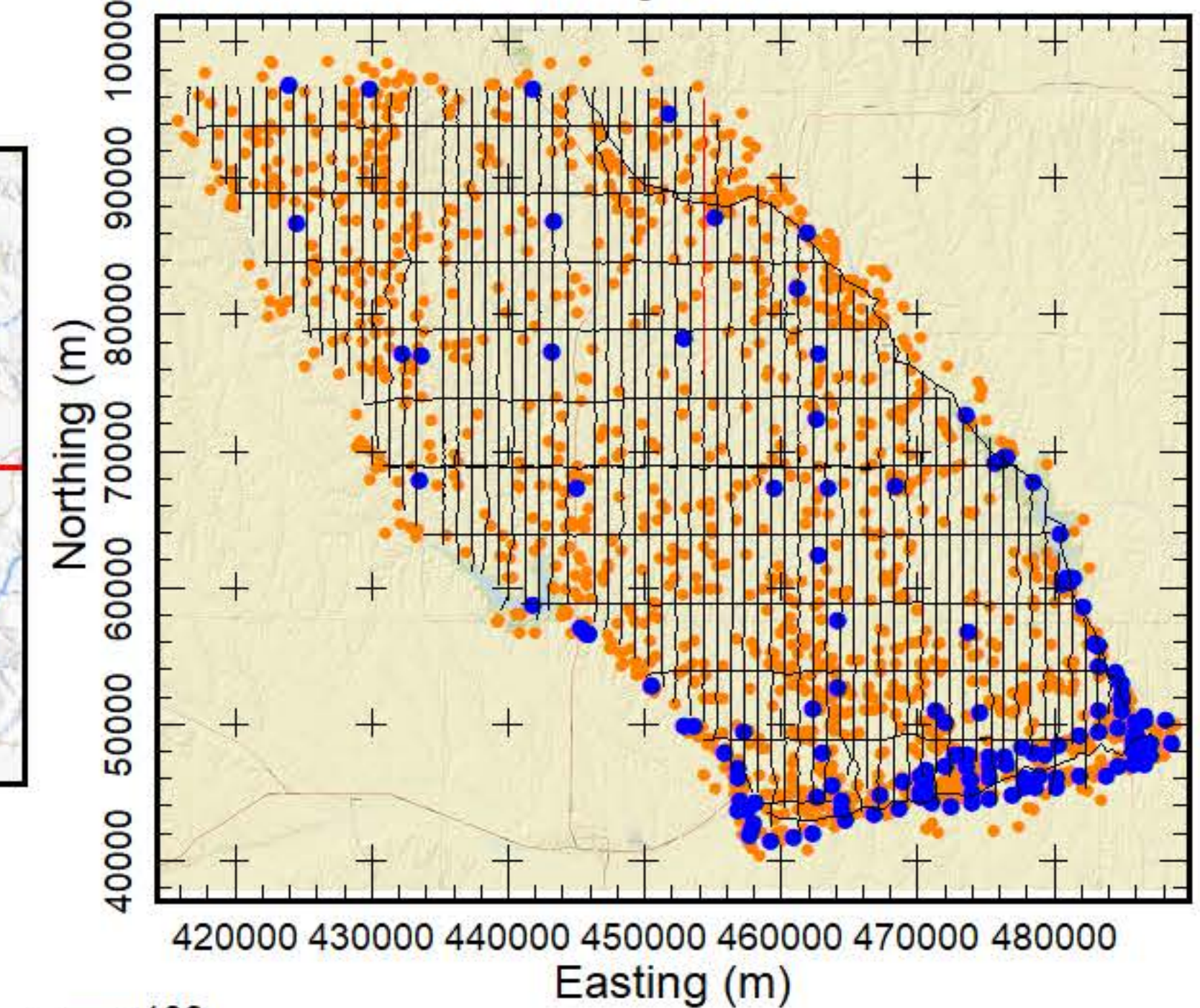




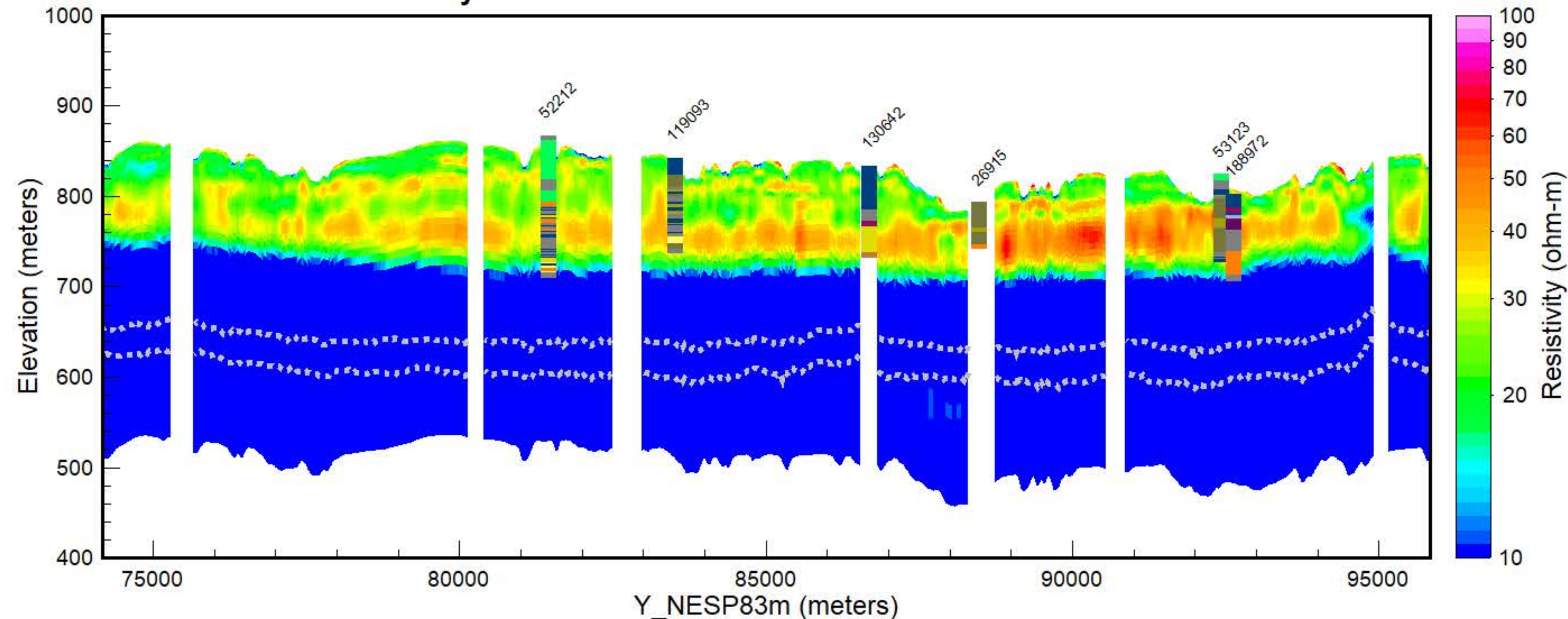
Flight Path Line L503701



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L503701



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

The red line on the Flight Path Map (USGS 100K Topo Map) indicates the location of the data collection.

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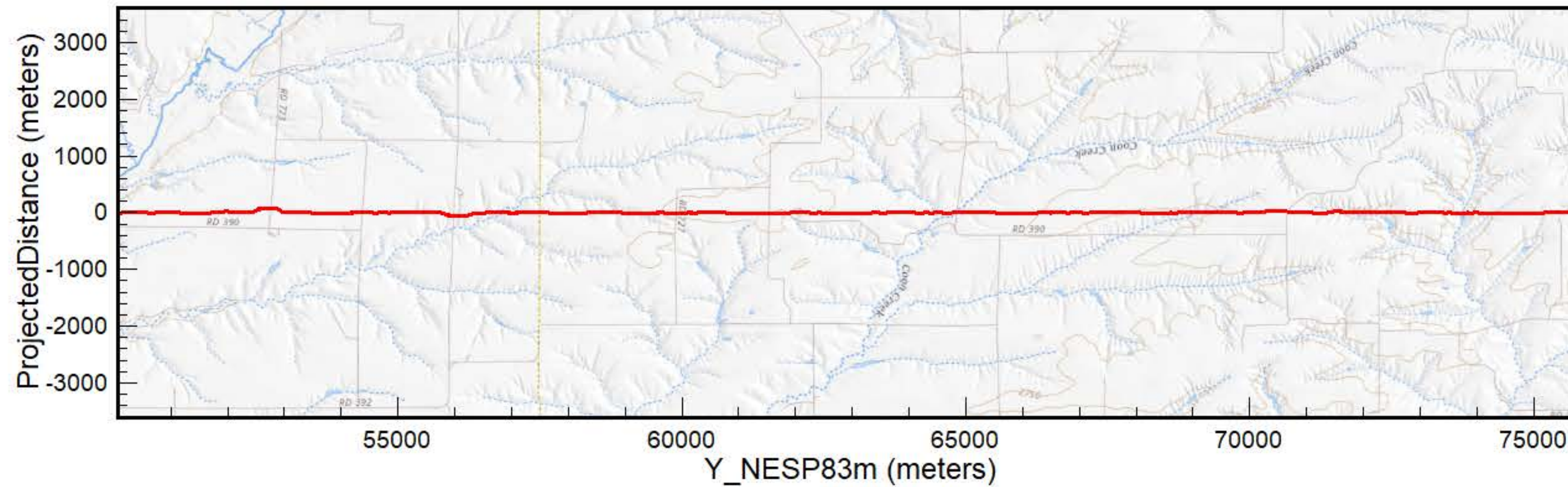
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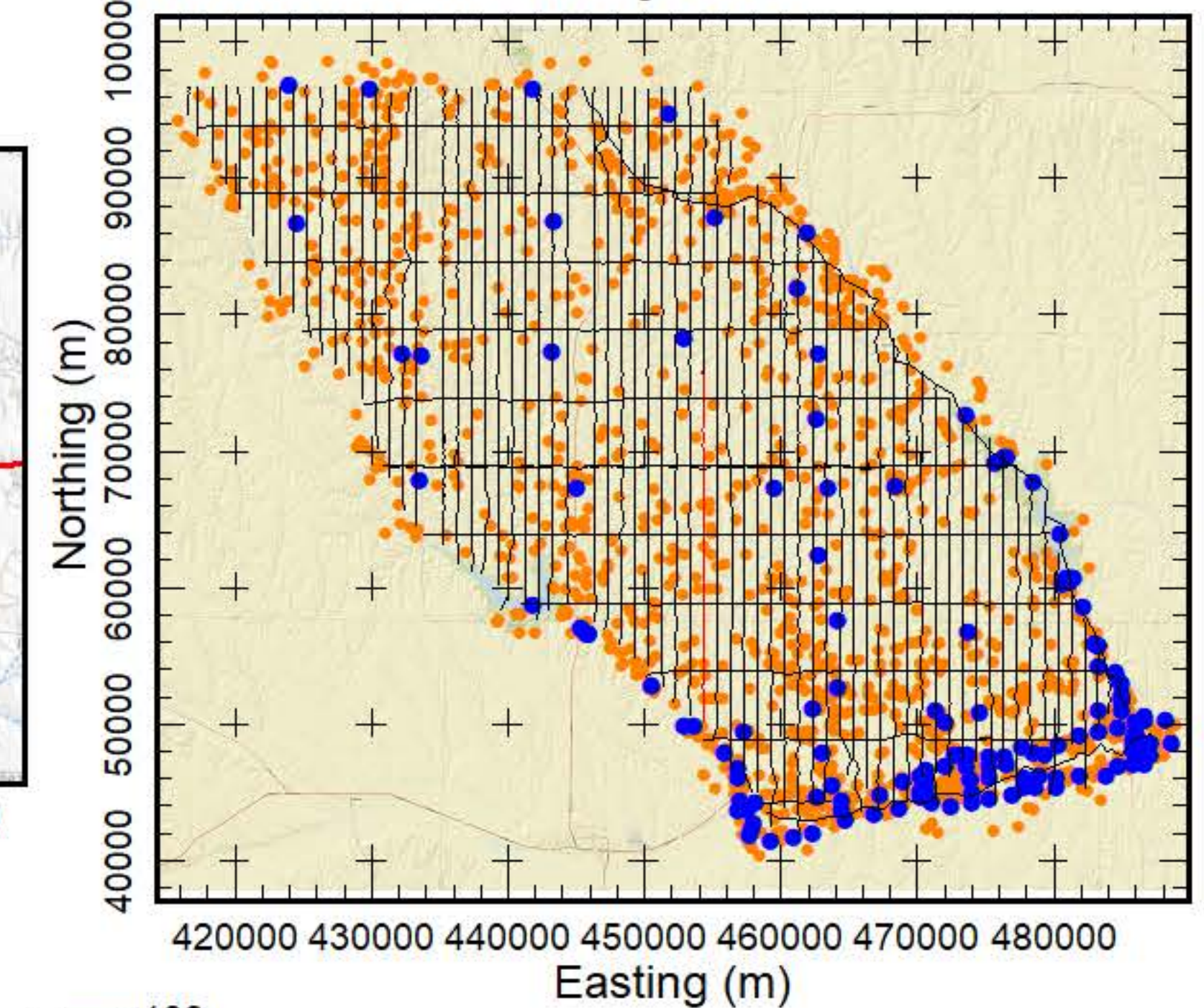




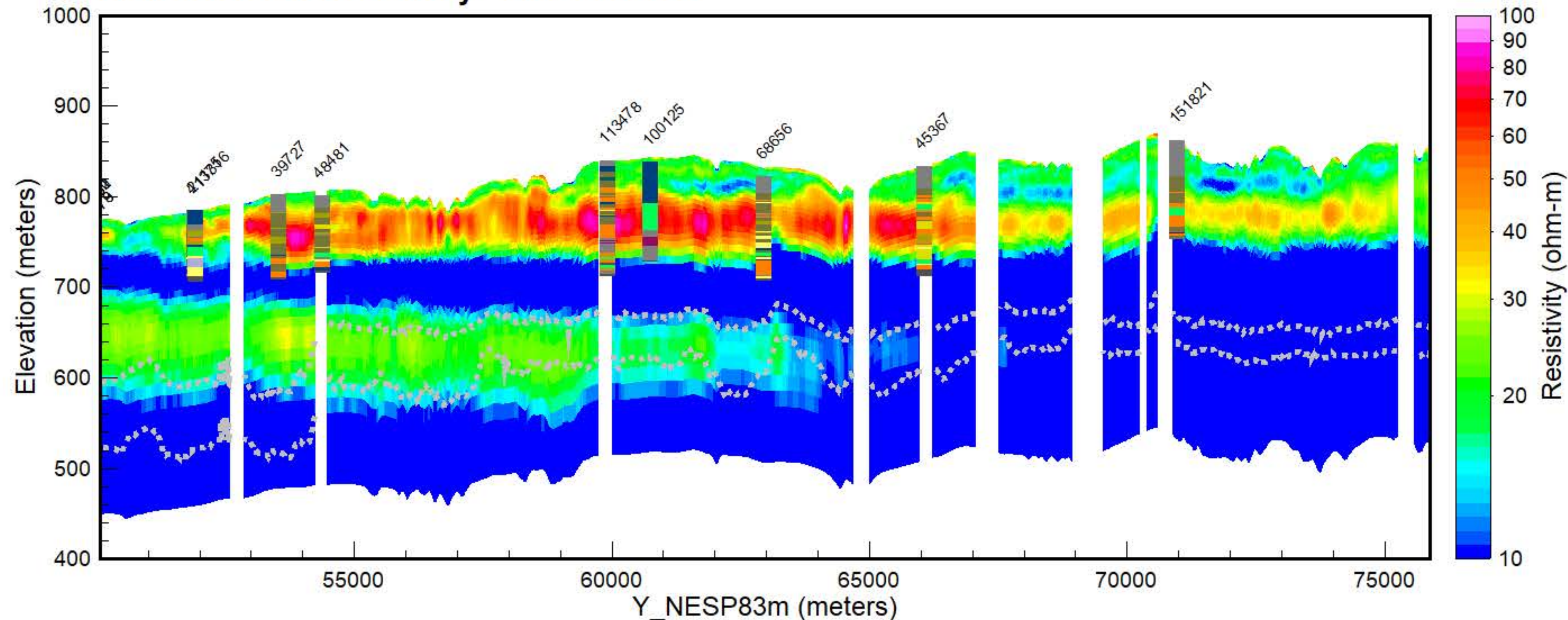
Flight Path Line L503702



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L503702



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

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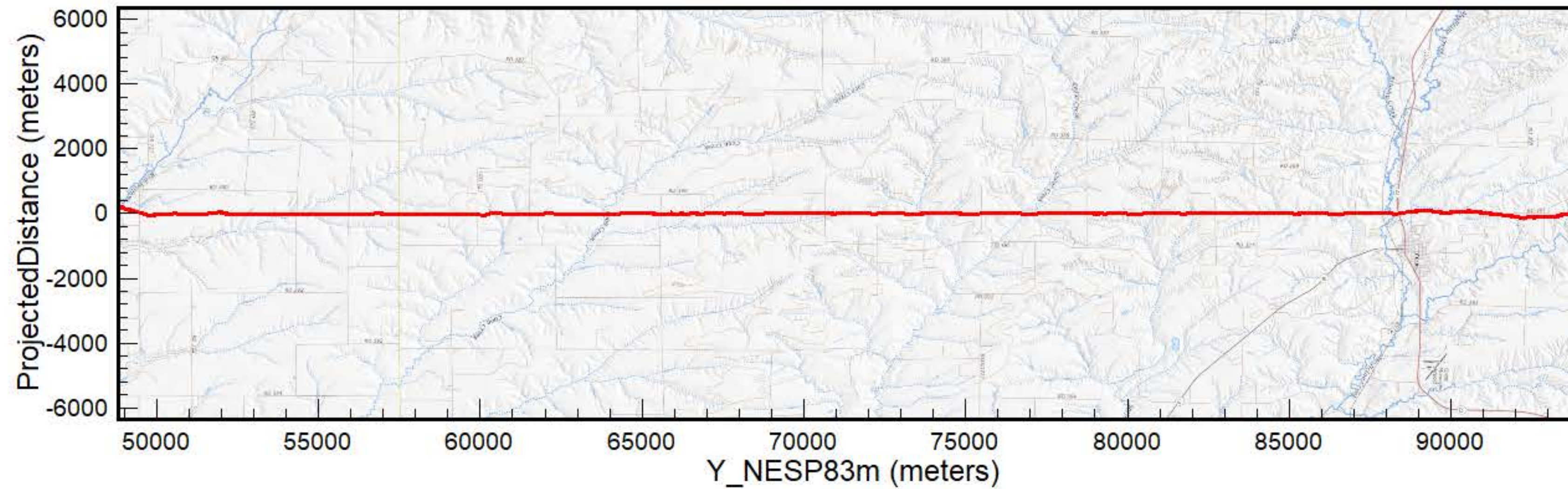
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Prepared for the MRNRD by Aqua Geo Frameworks, LLC.

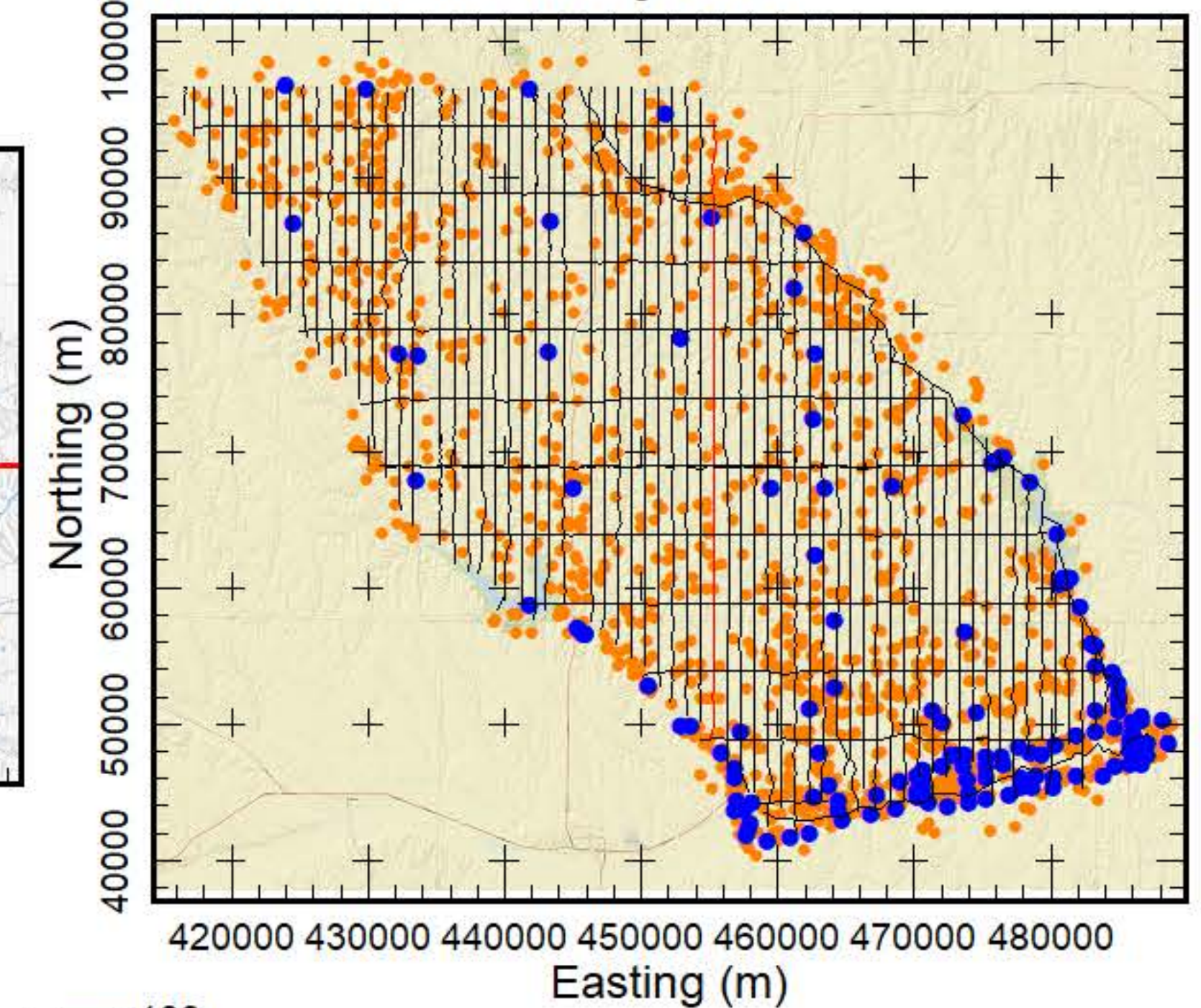




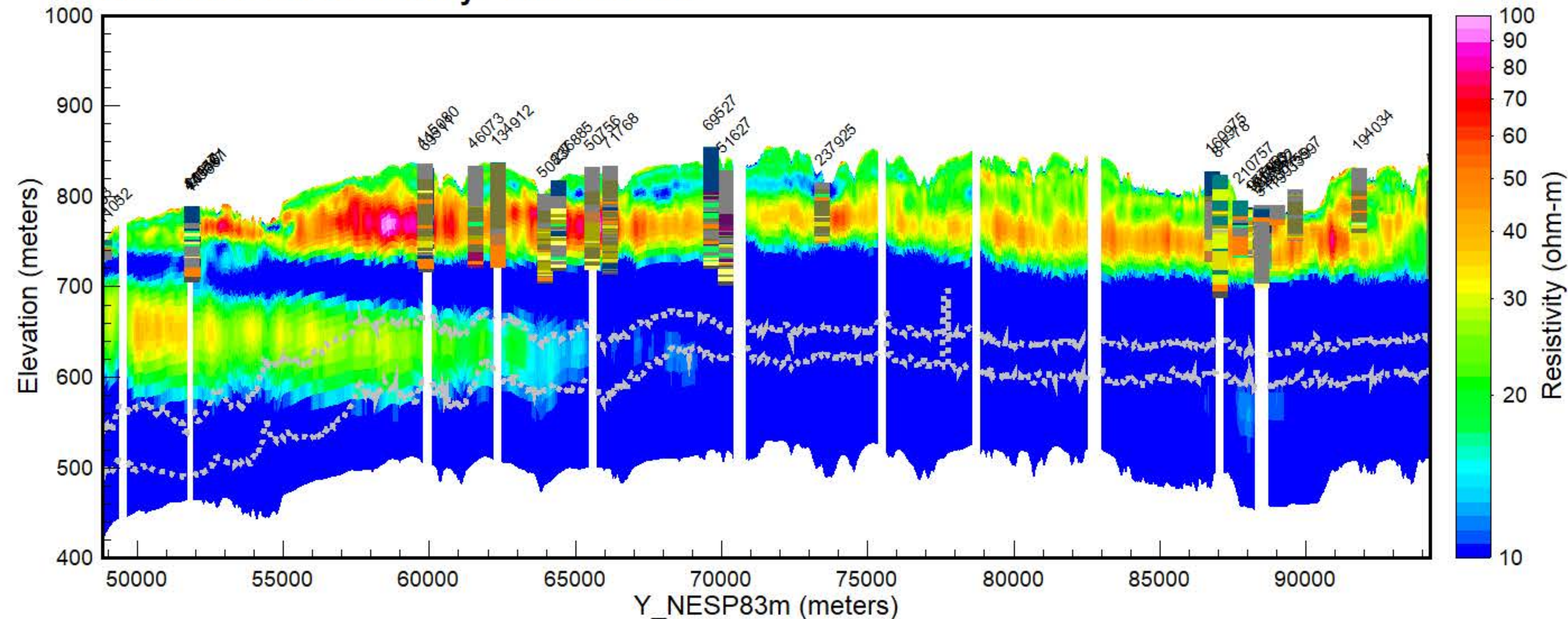
Flight Path Line L503801



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L503801



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

The red line on the Flight Path Map (USGS 100K Topo Map) indicates the location of the data collection.

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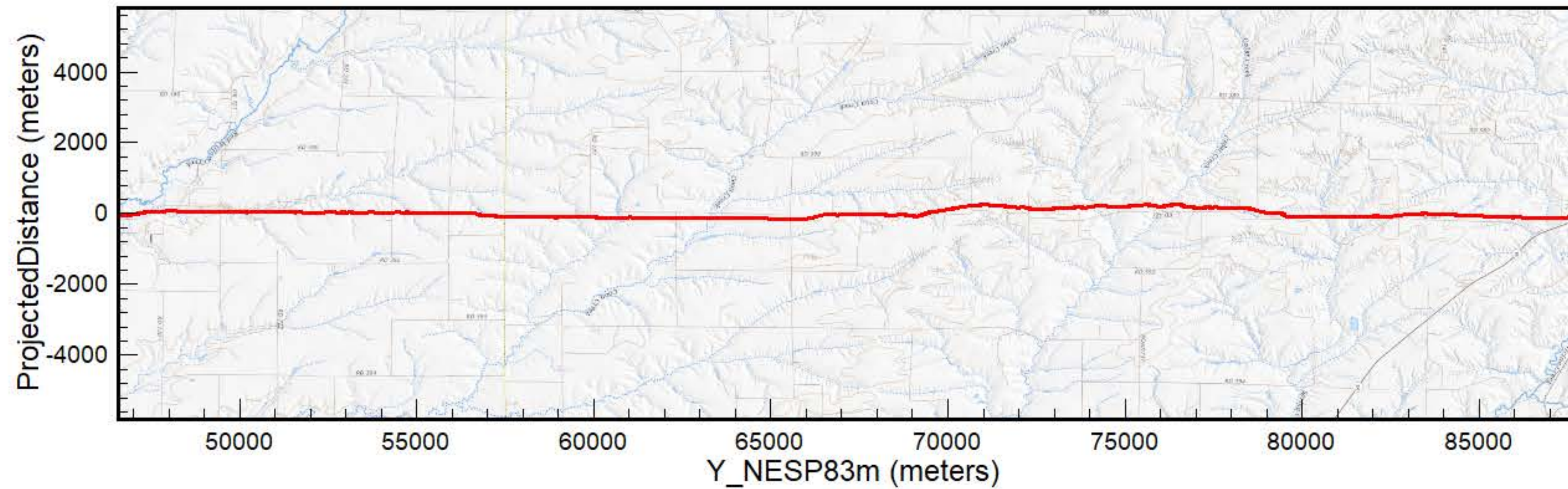
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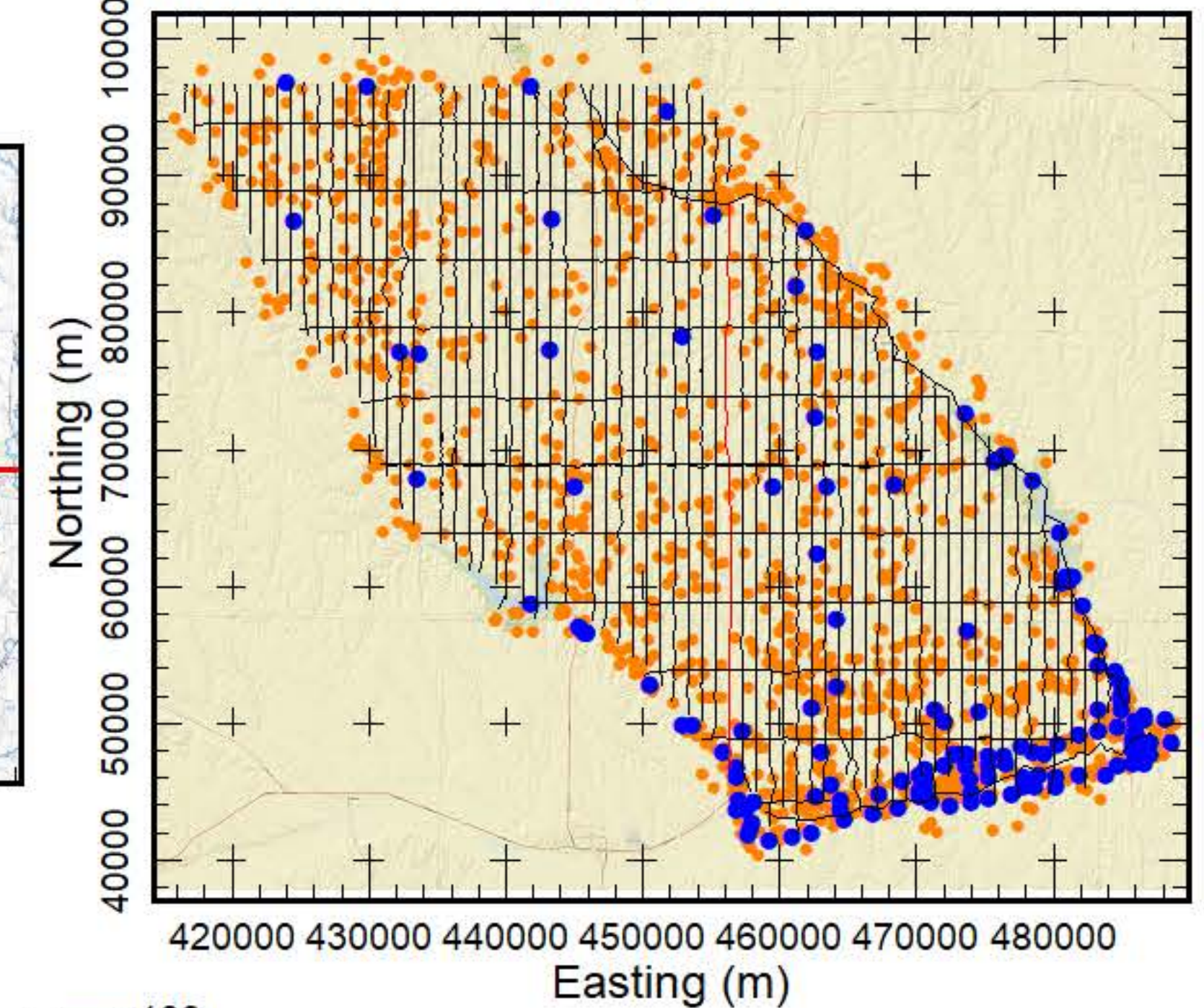




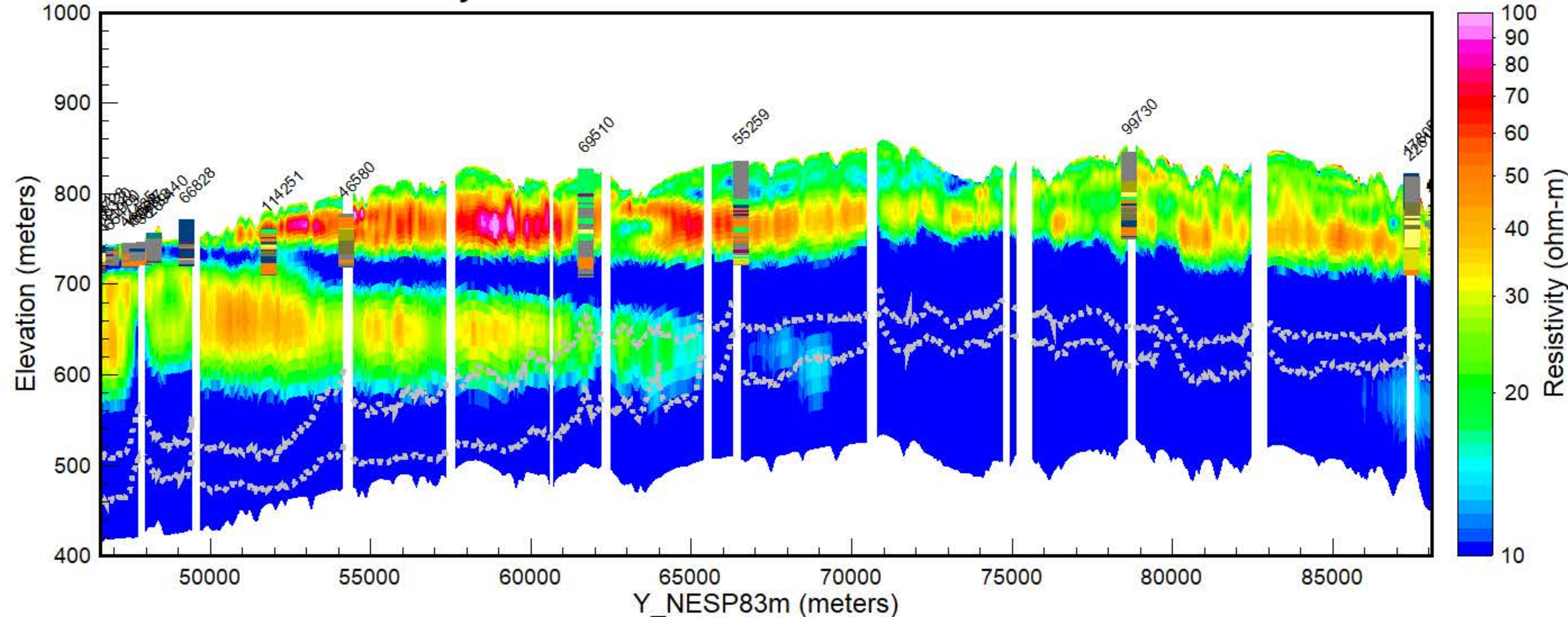
Flight Path Line L503901



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L503901



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

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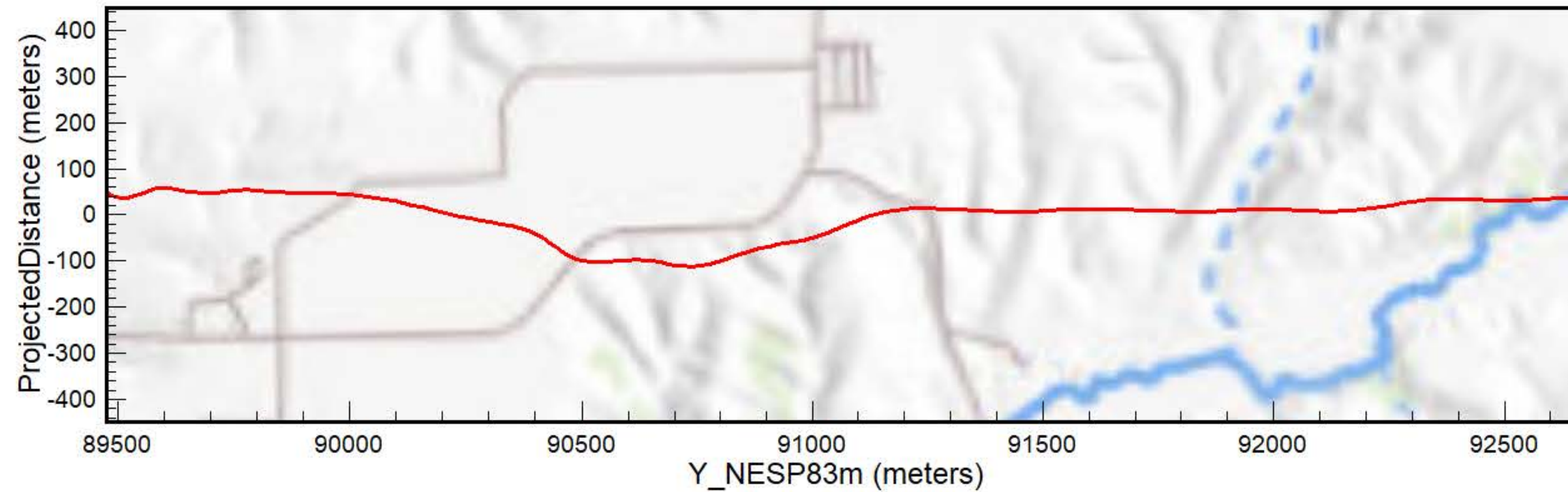
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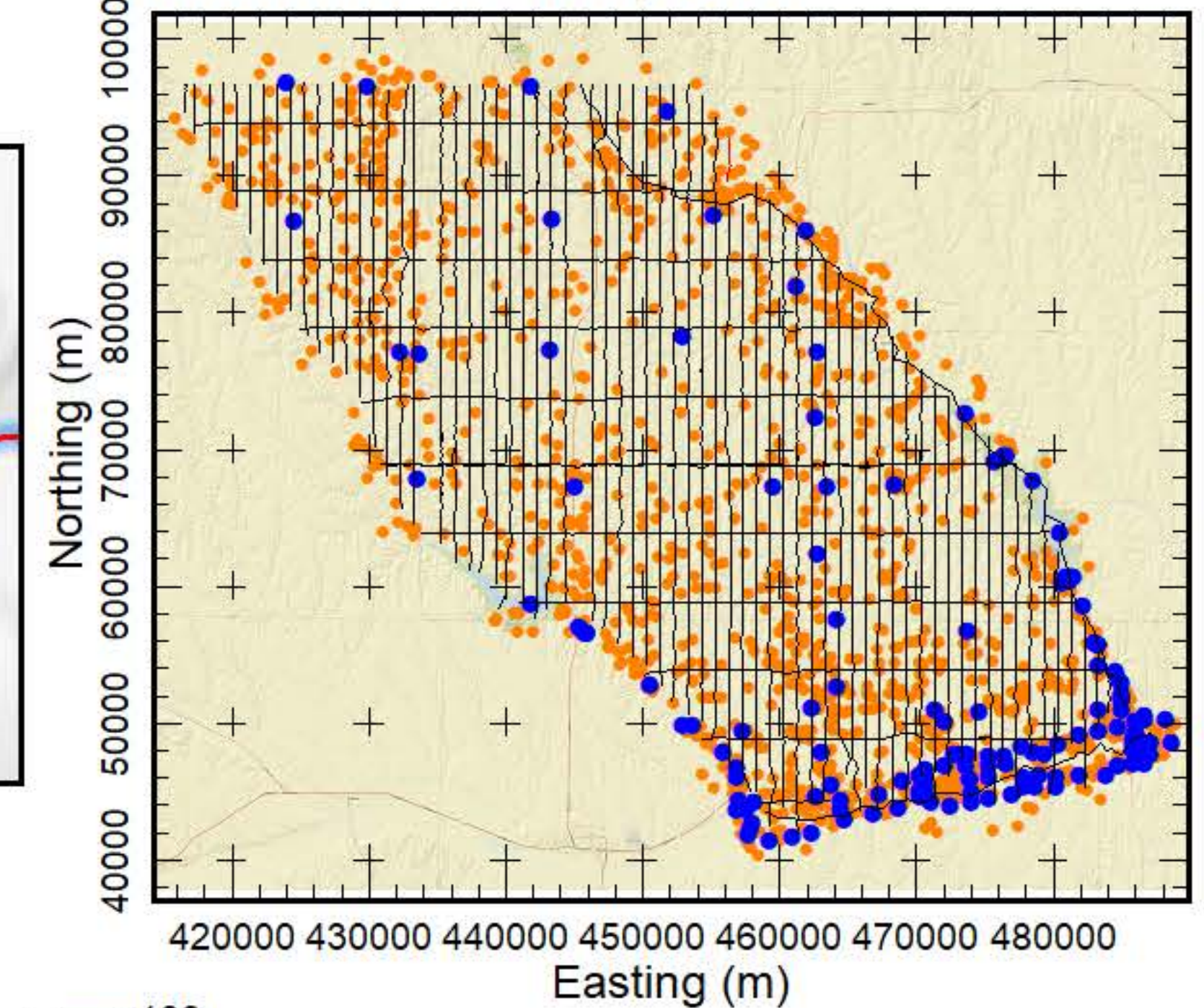




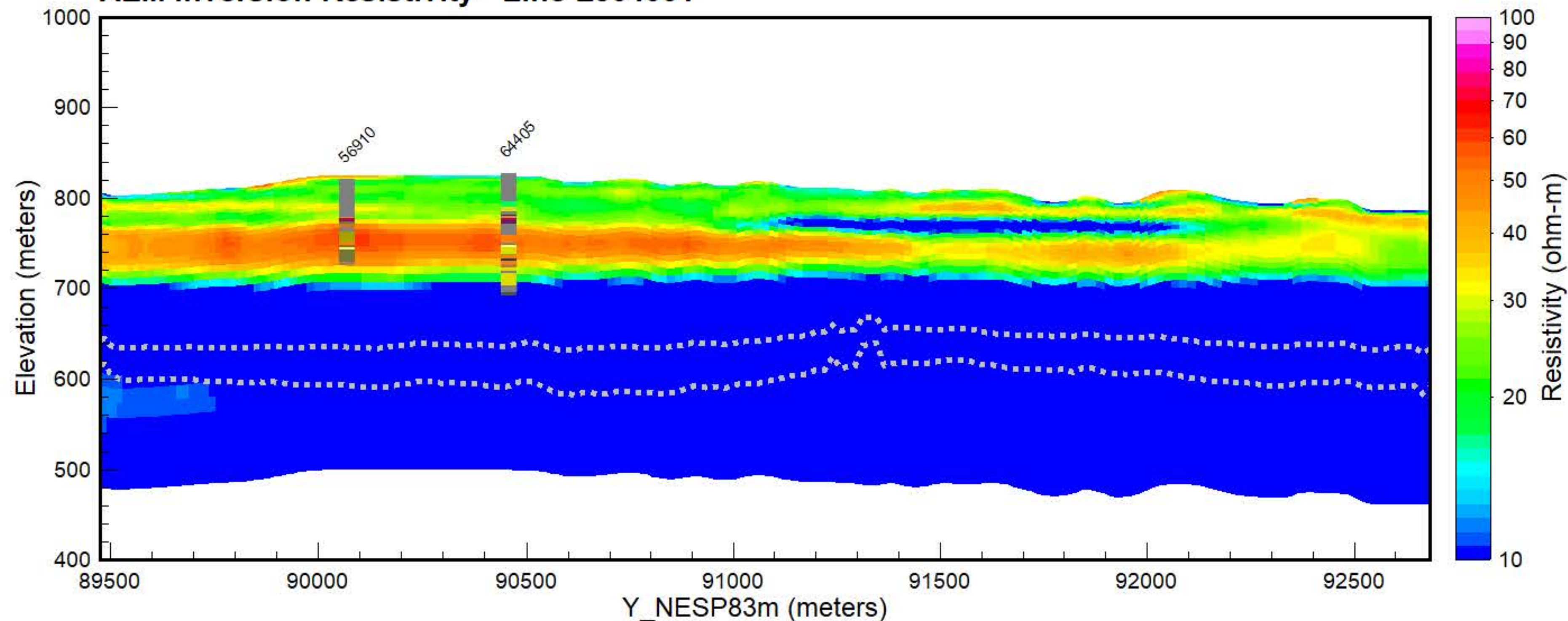
Flight Path Line L504001



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L504001



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

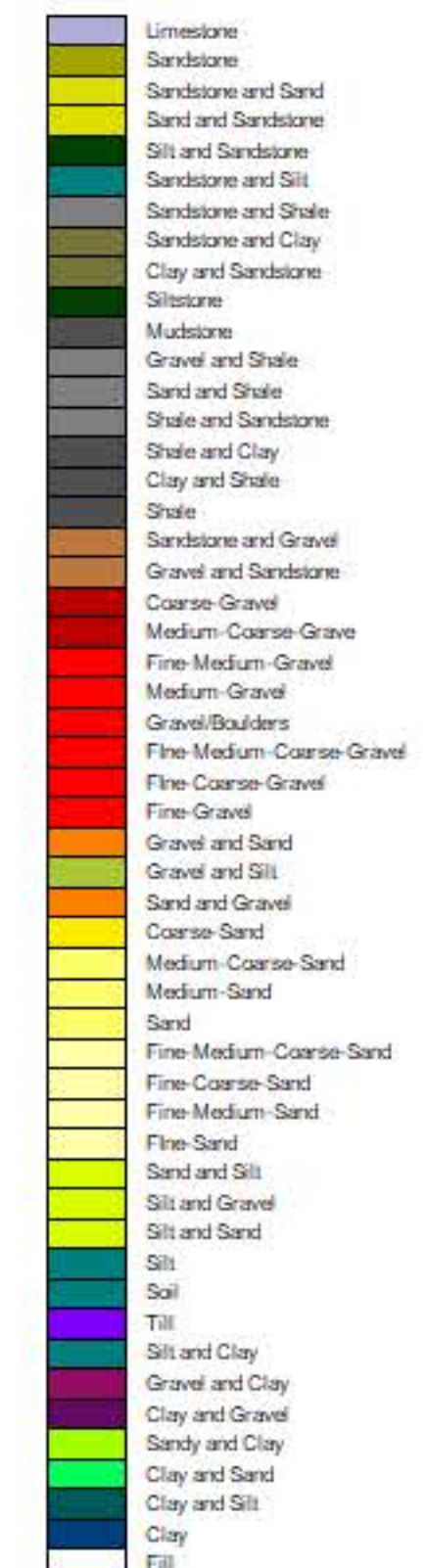
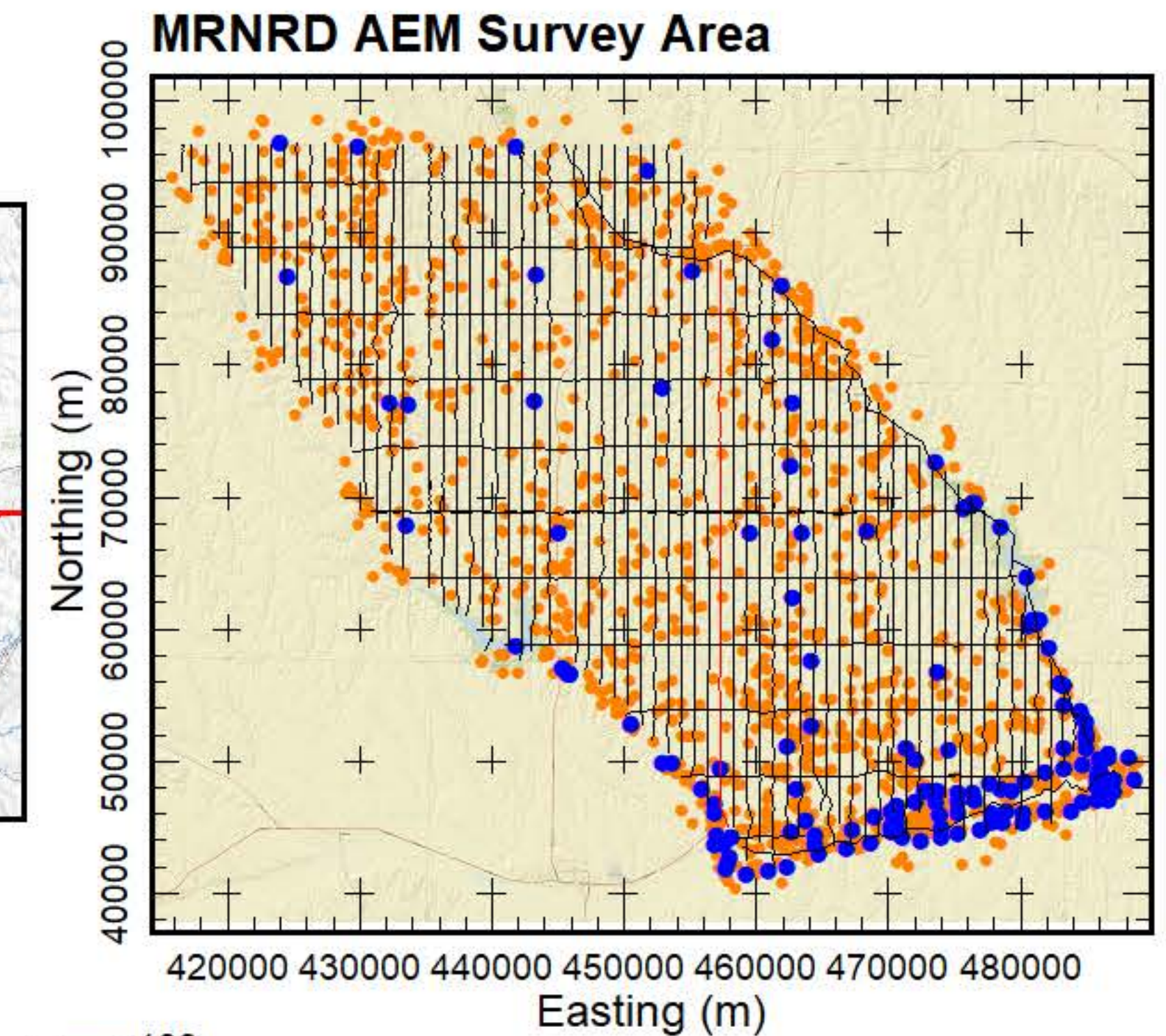
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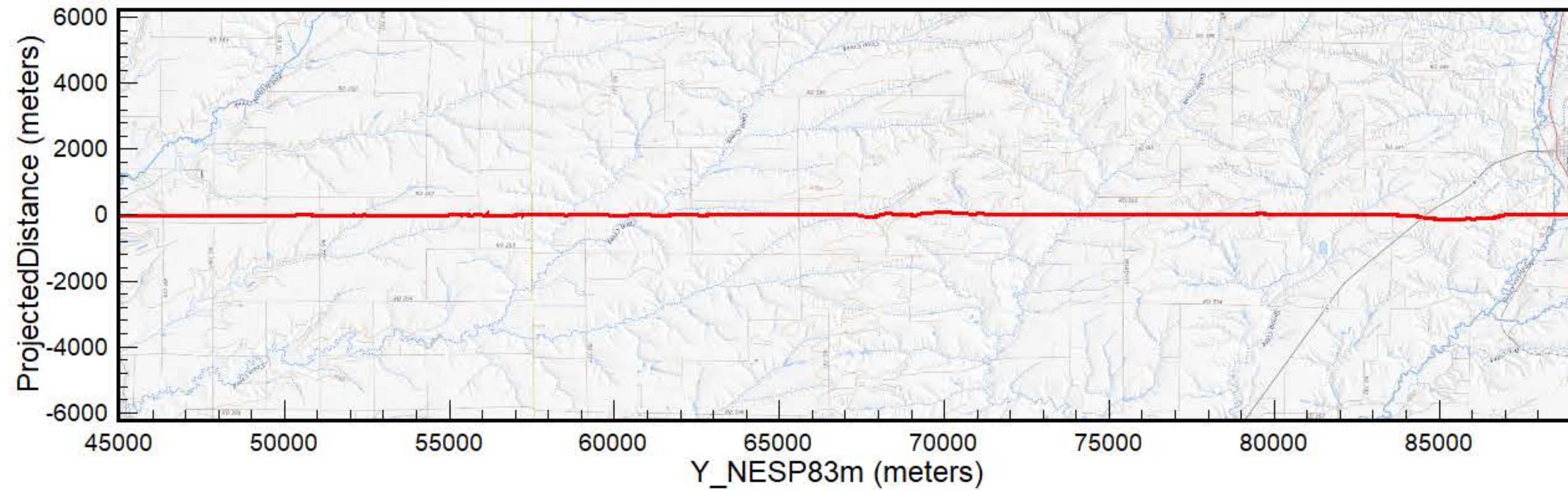




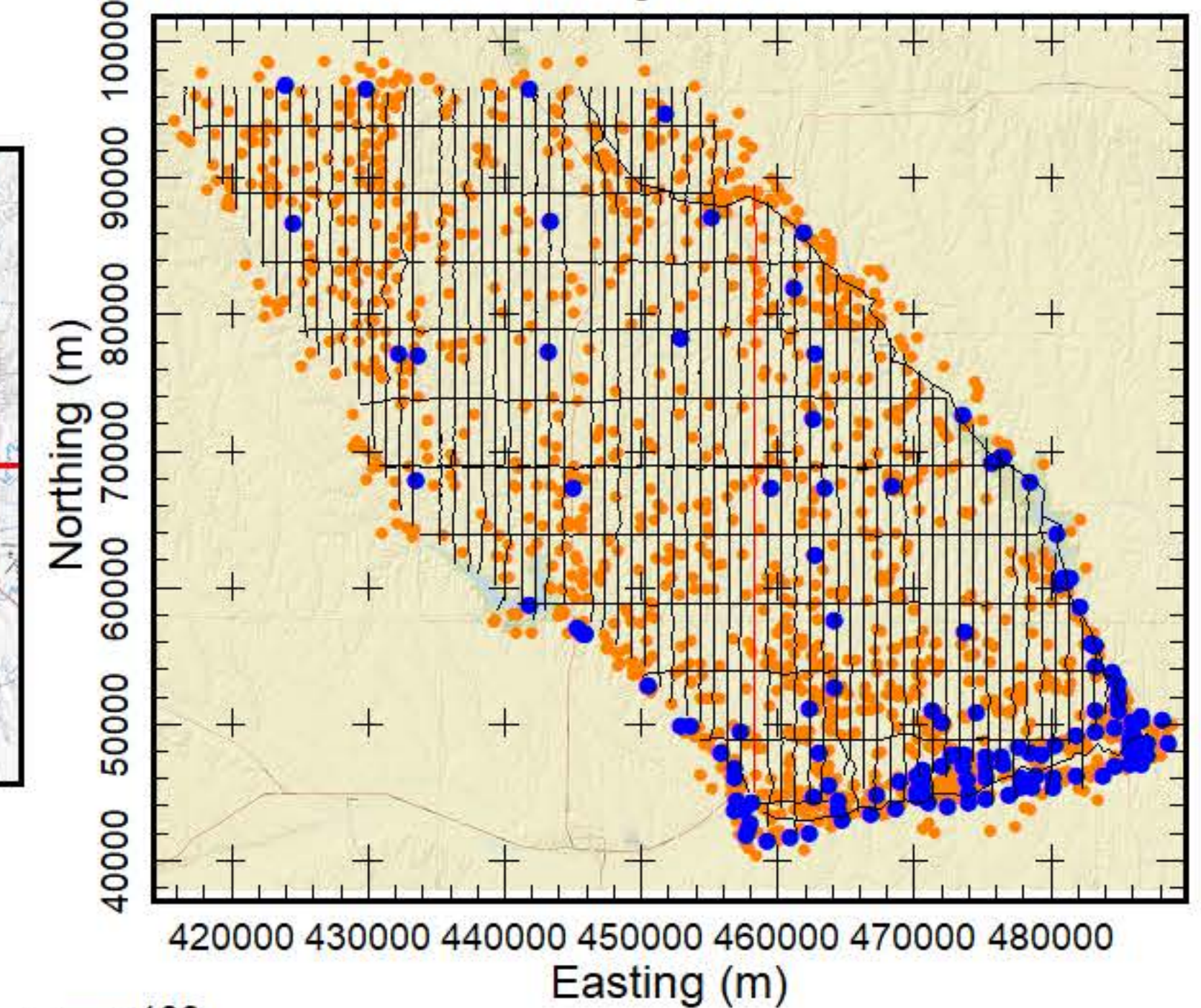
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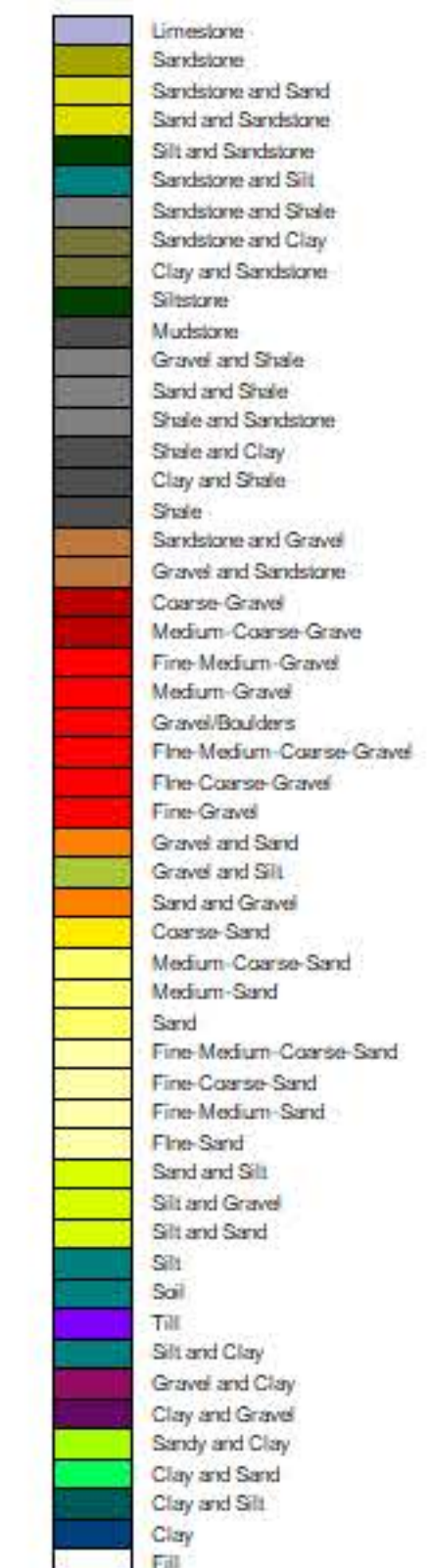
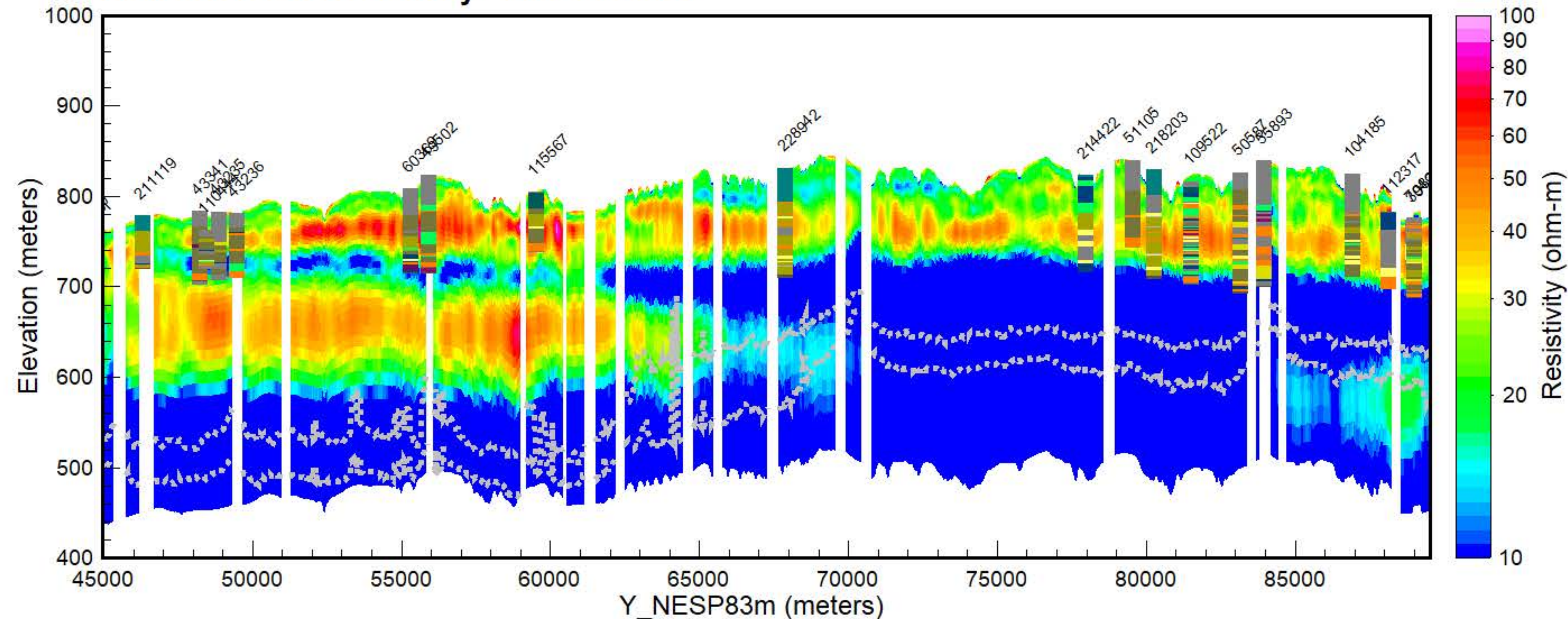
Flight Path Line L504201



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L504201



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

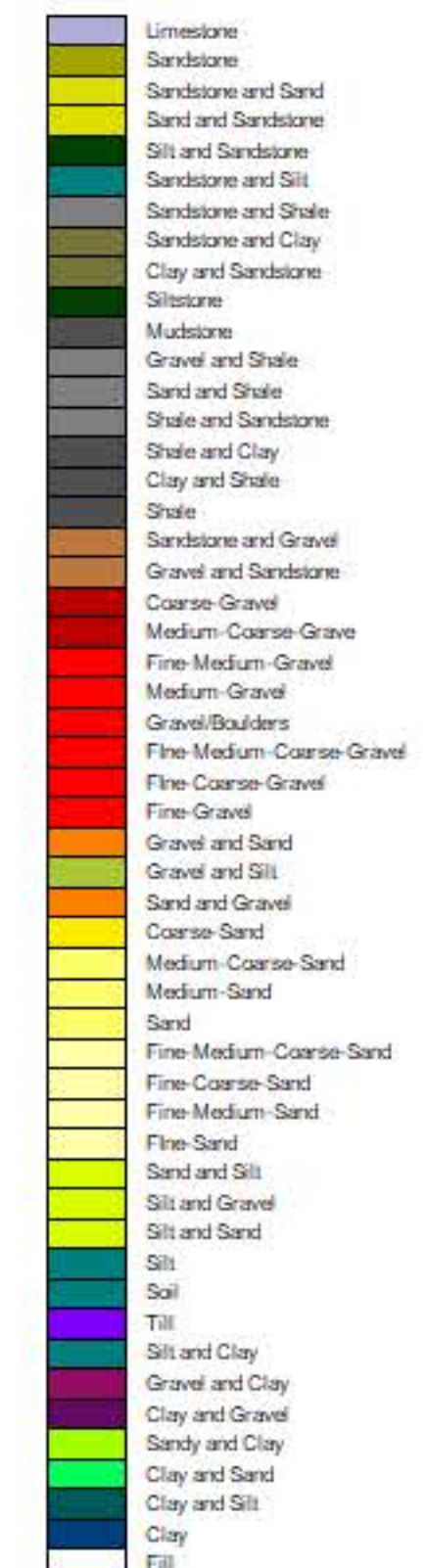
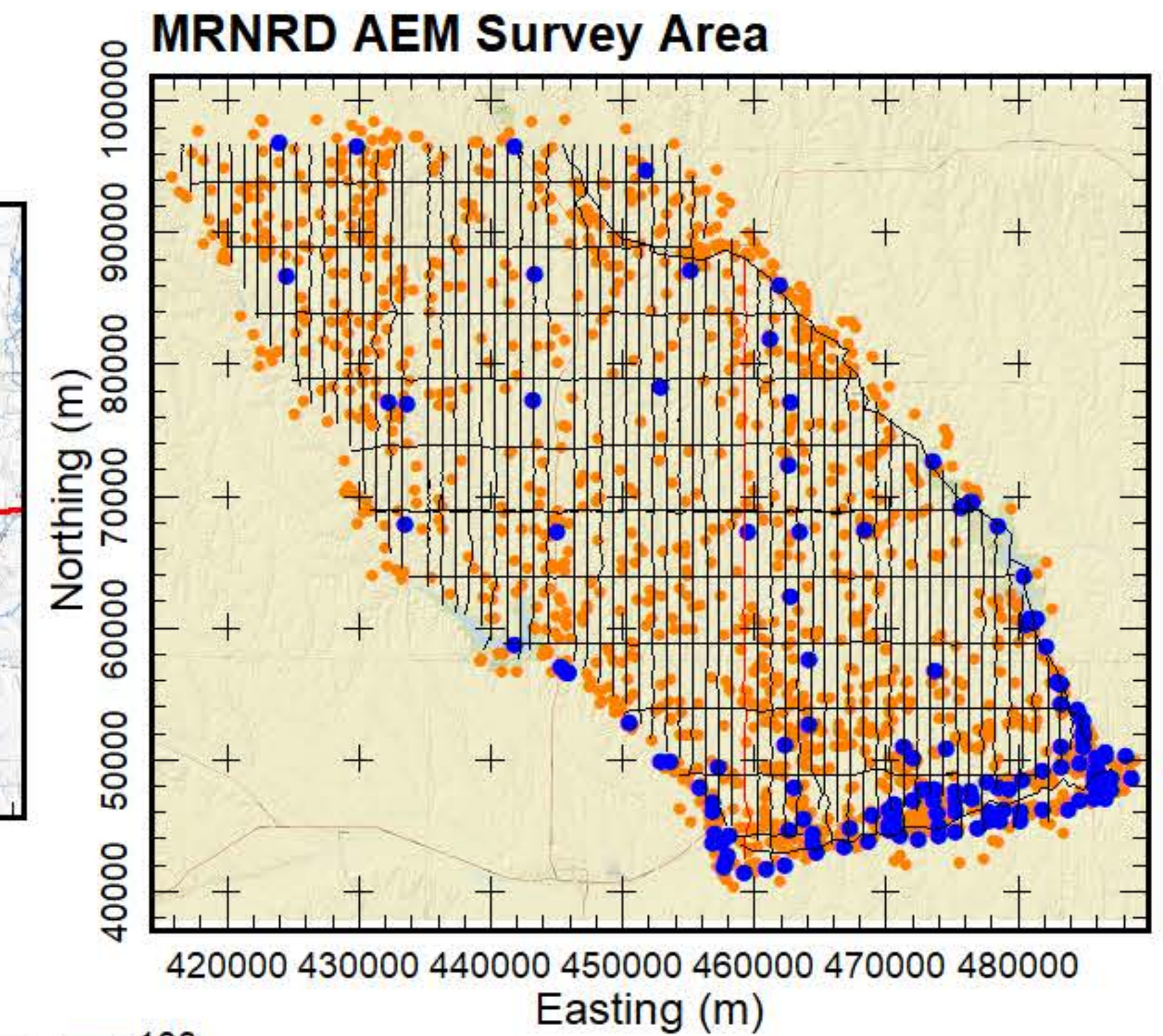
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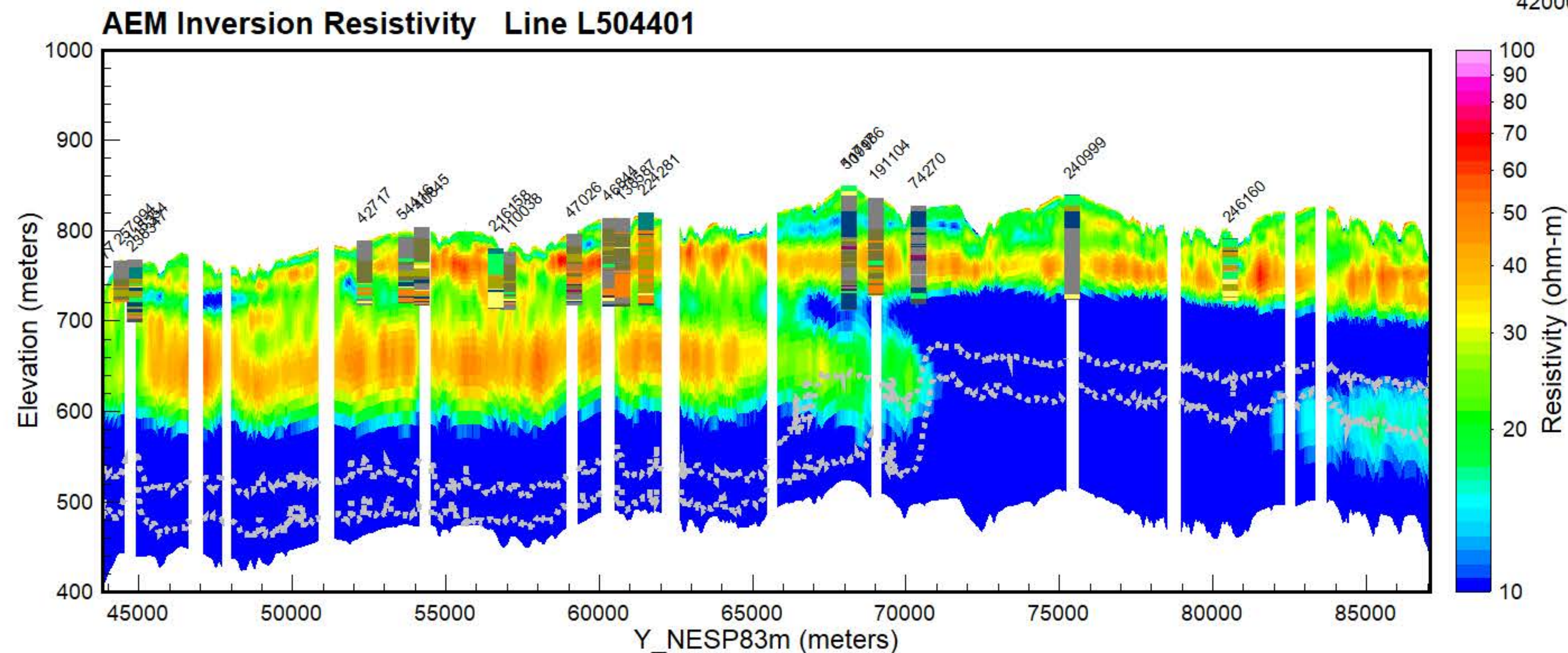
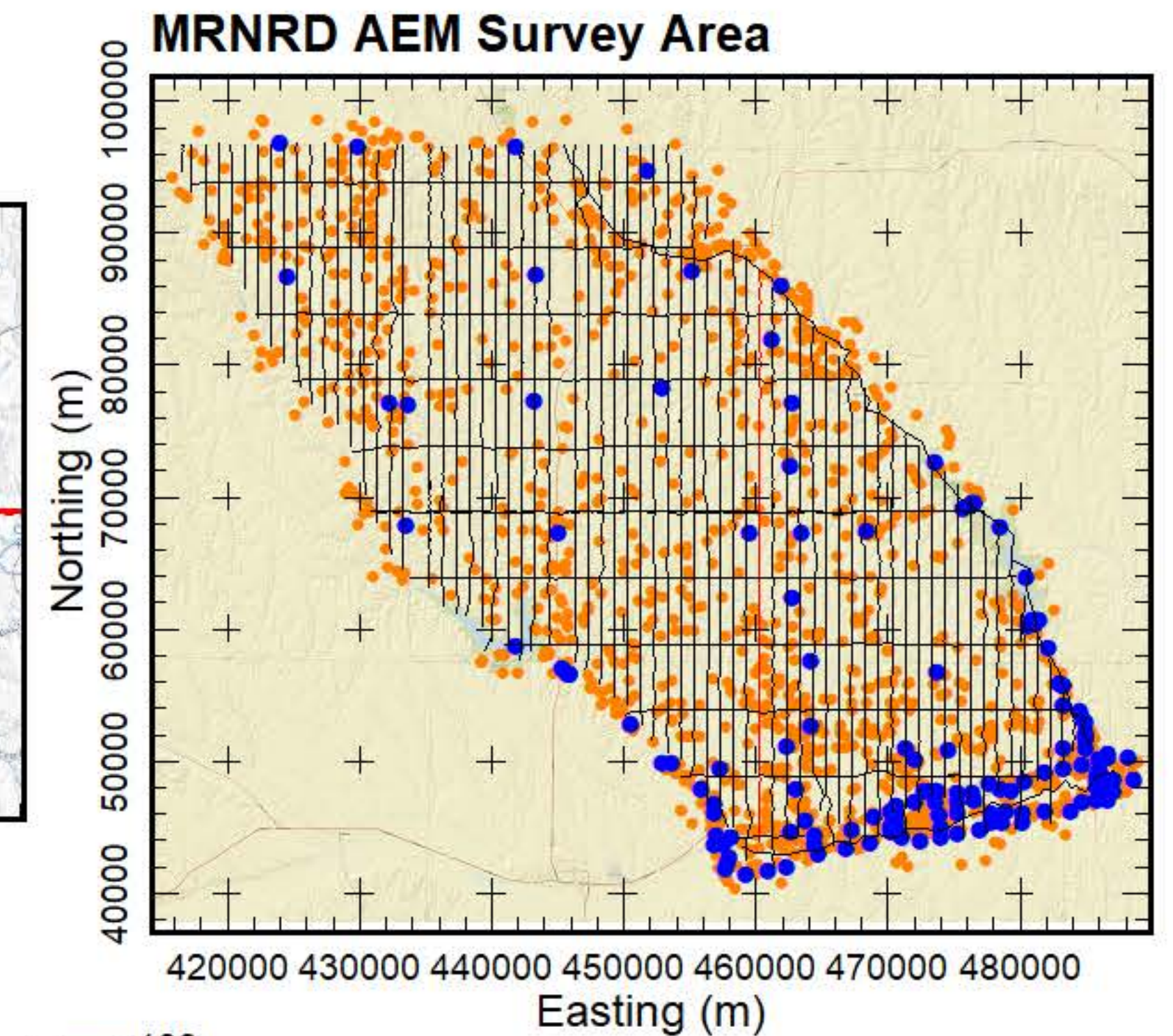
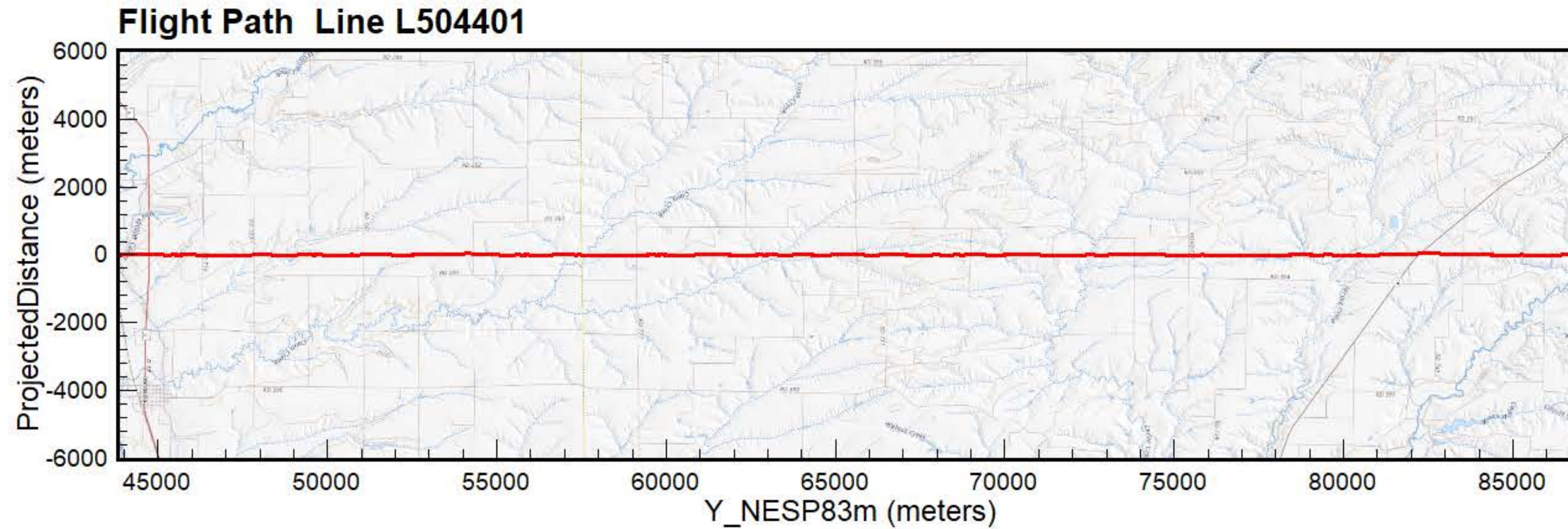
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Prepared for the MRNRD by Aqua Geo Frameworks, LLC.





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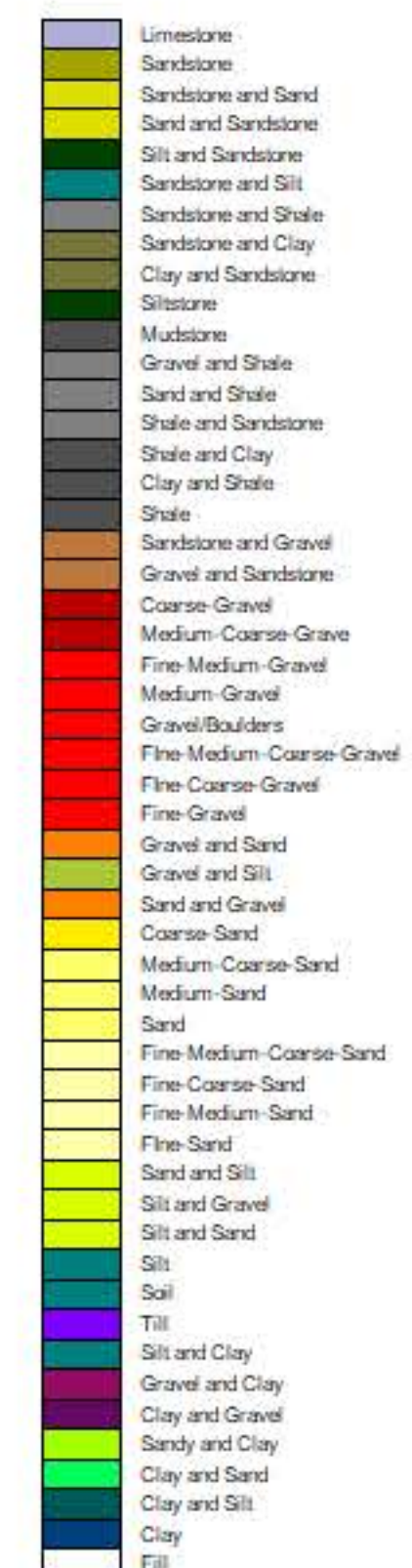
Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

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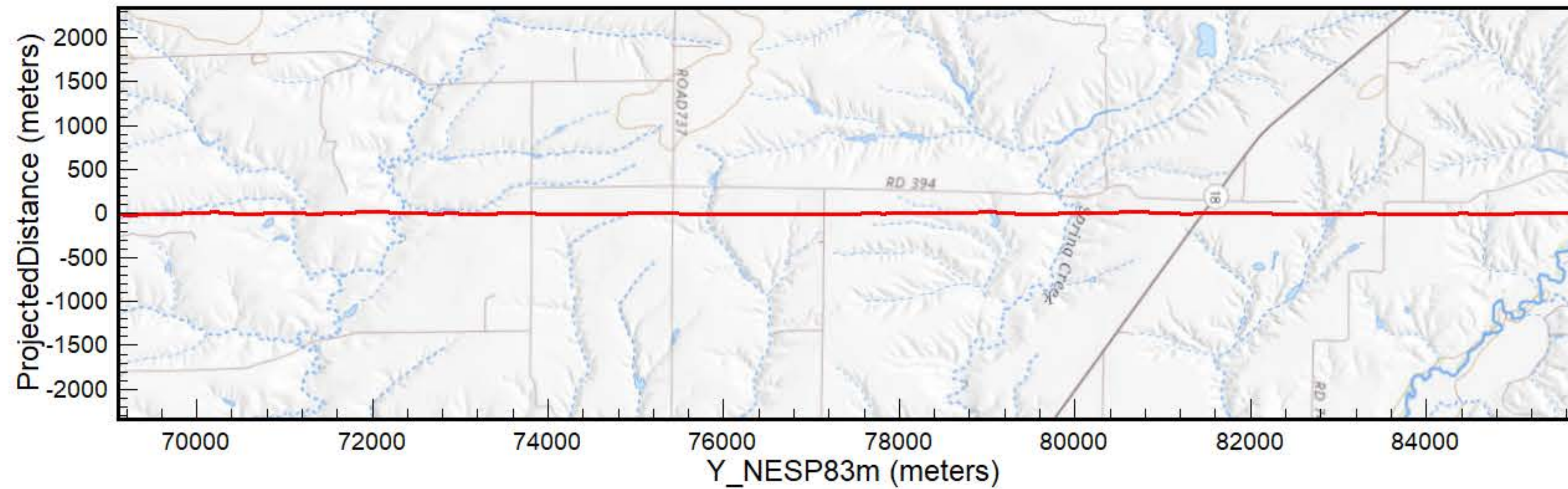
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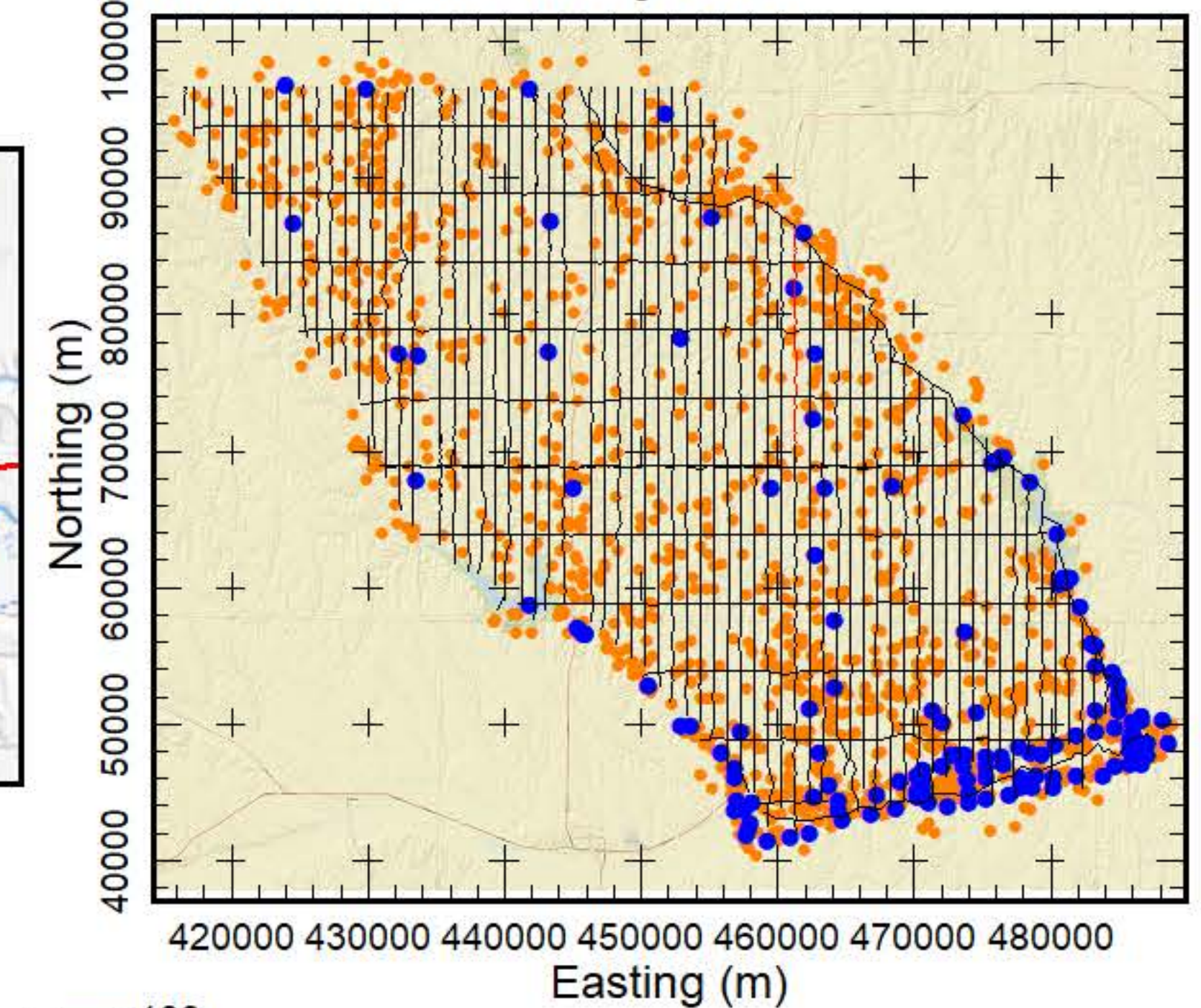




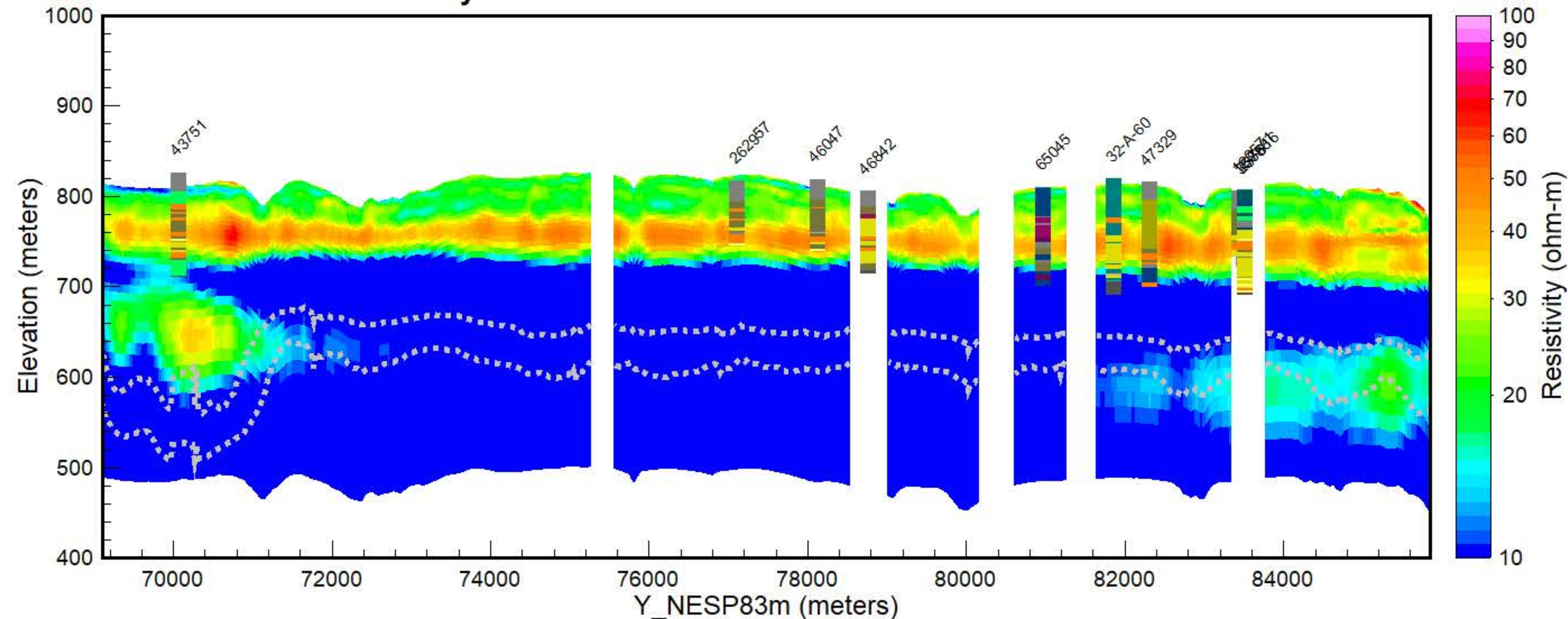
Flight Path Line L504501



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L504501



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

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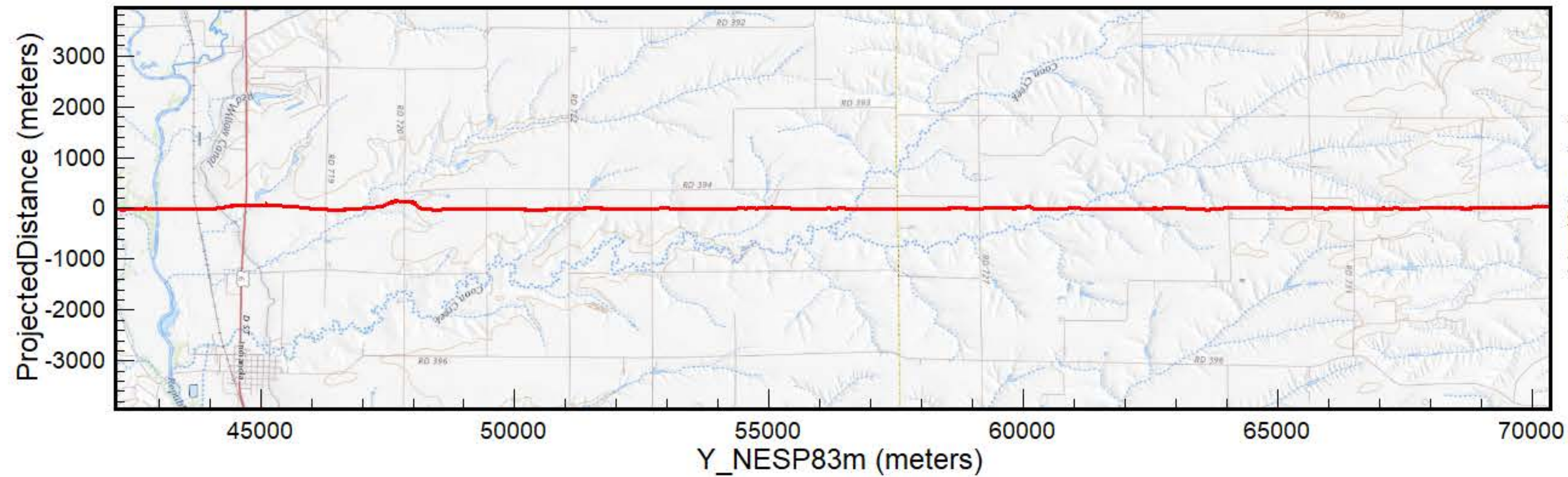
Prepared for the MRNRD by Aqua Geo Frameworks, LLC.



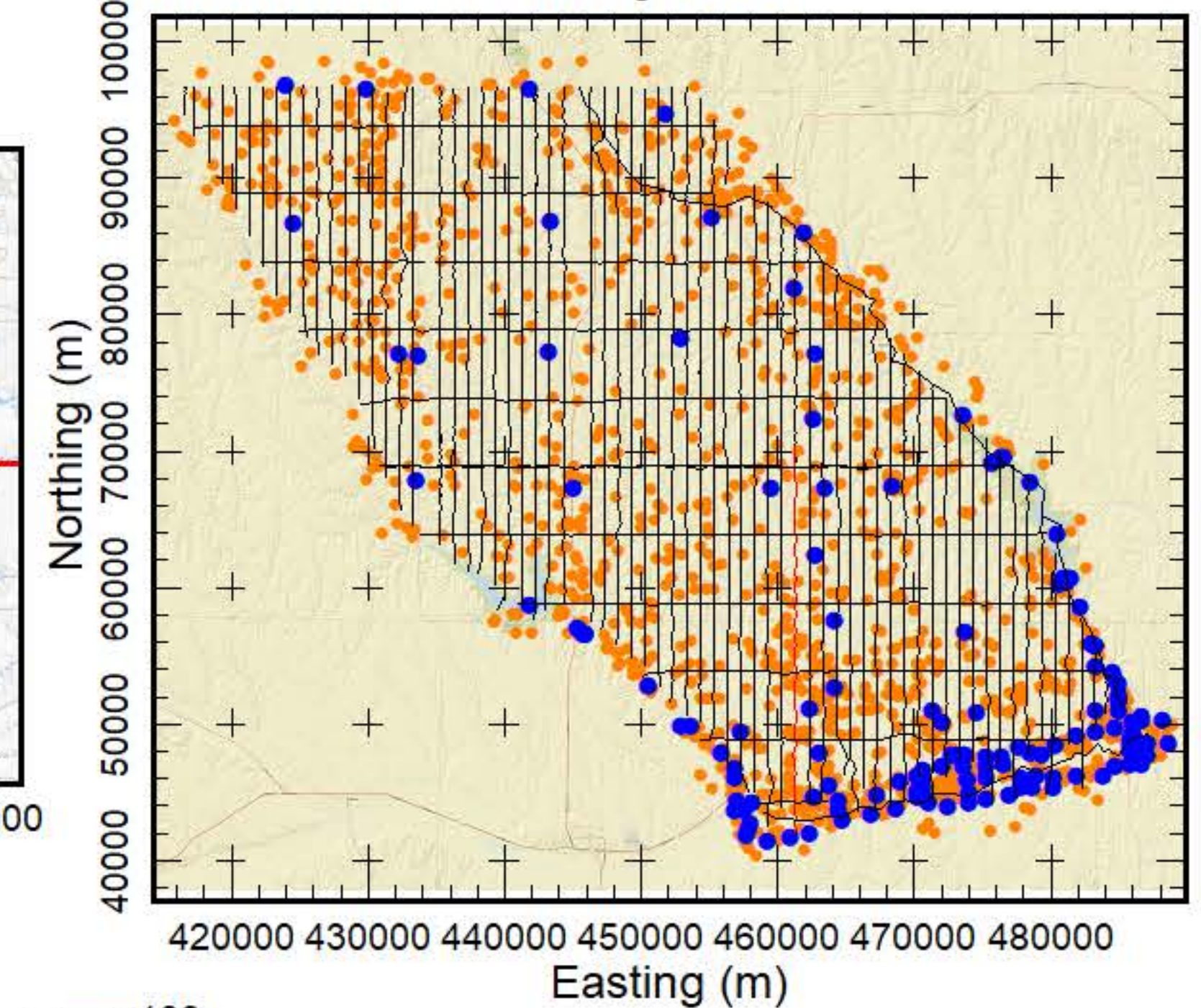


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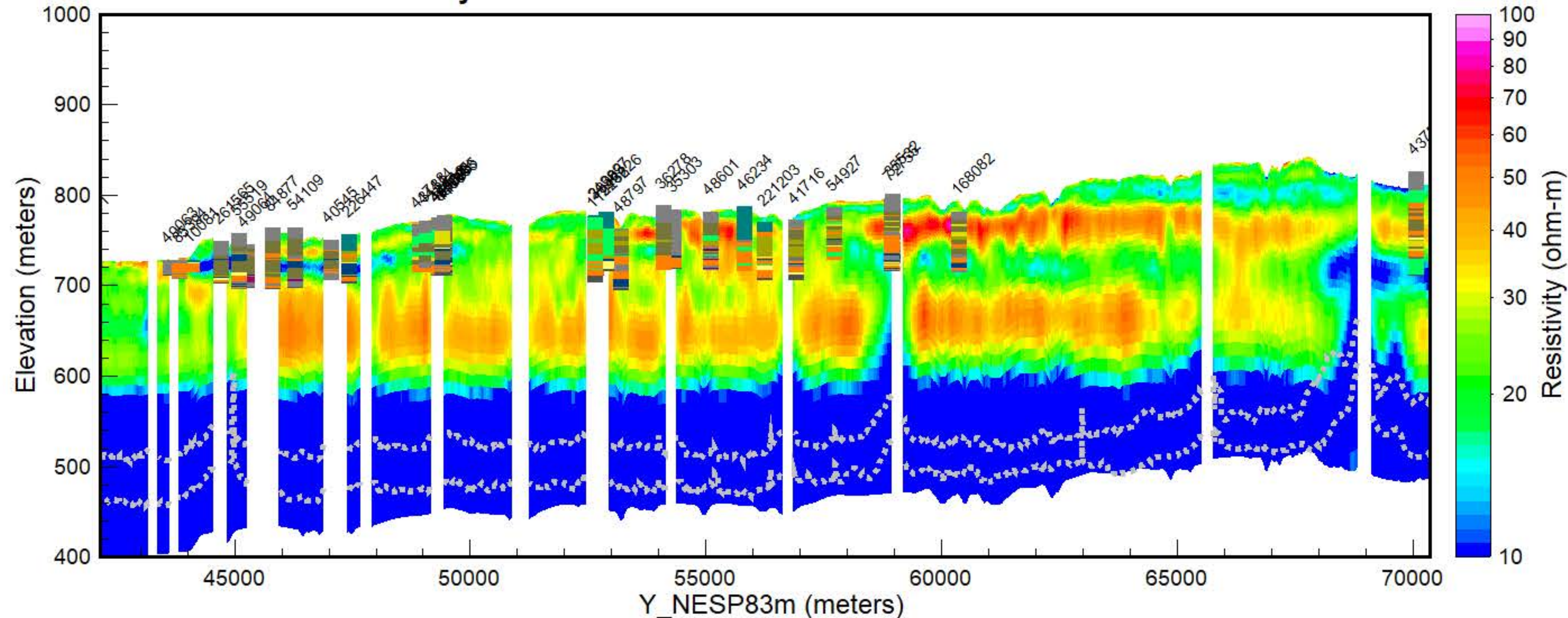
Flight Path Line L504502



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L504502



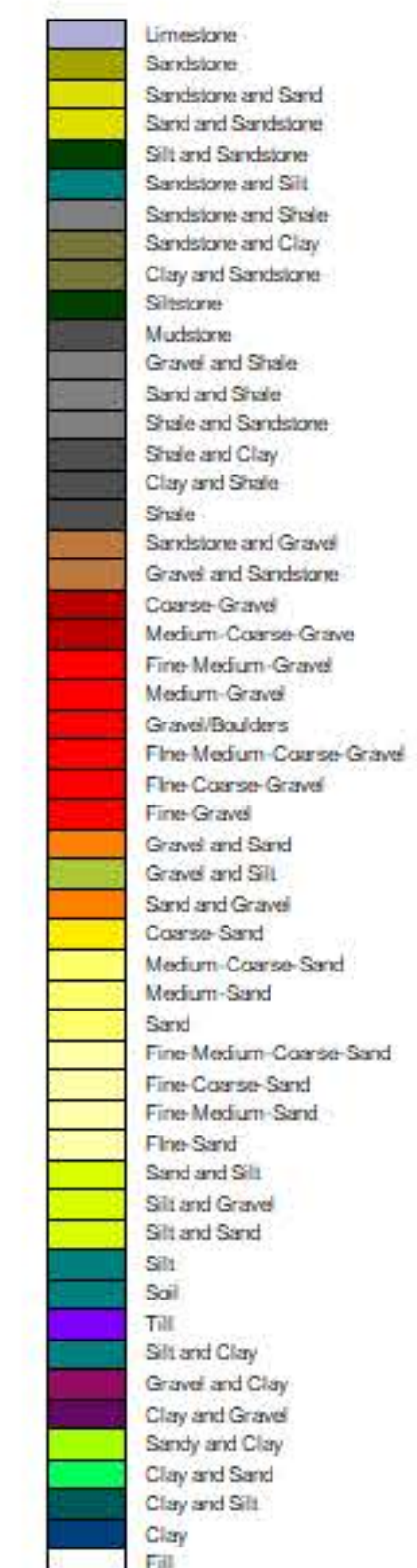
Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

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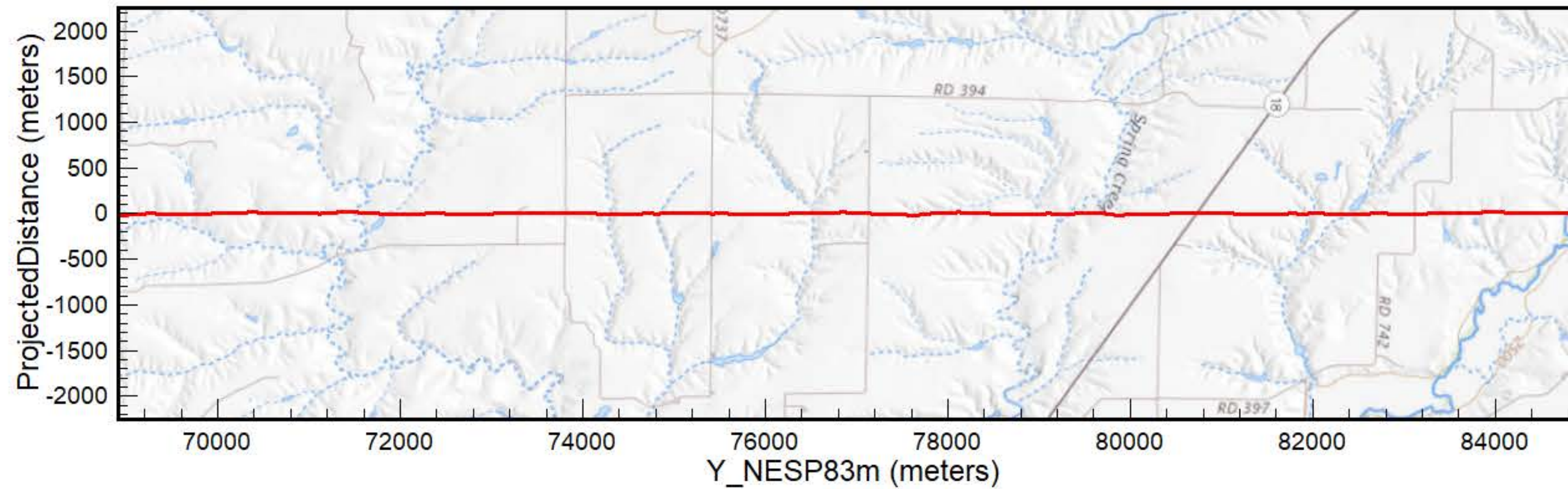
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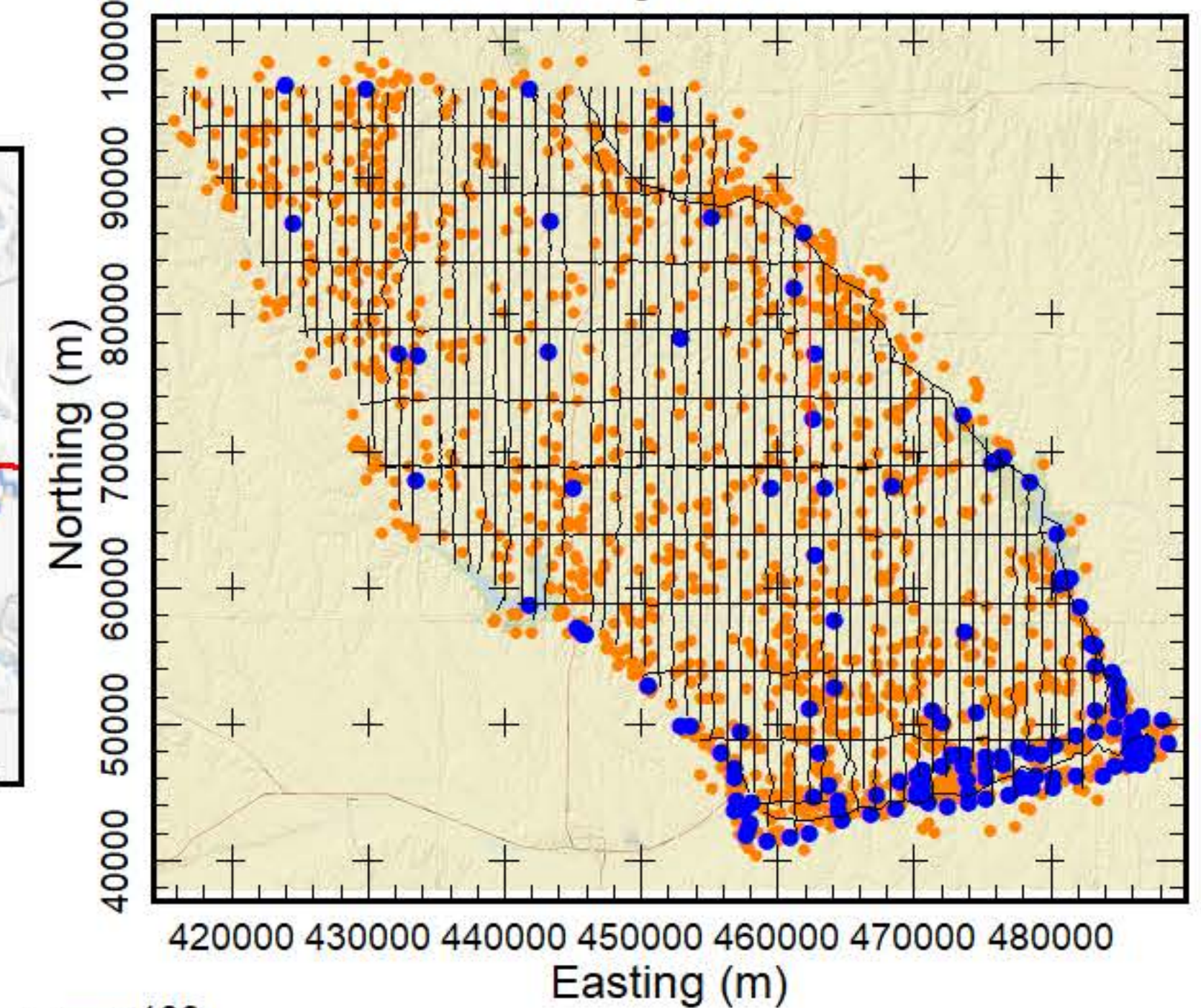




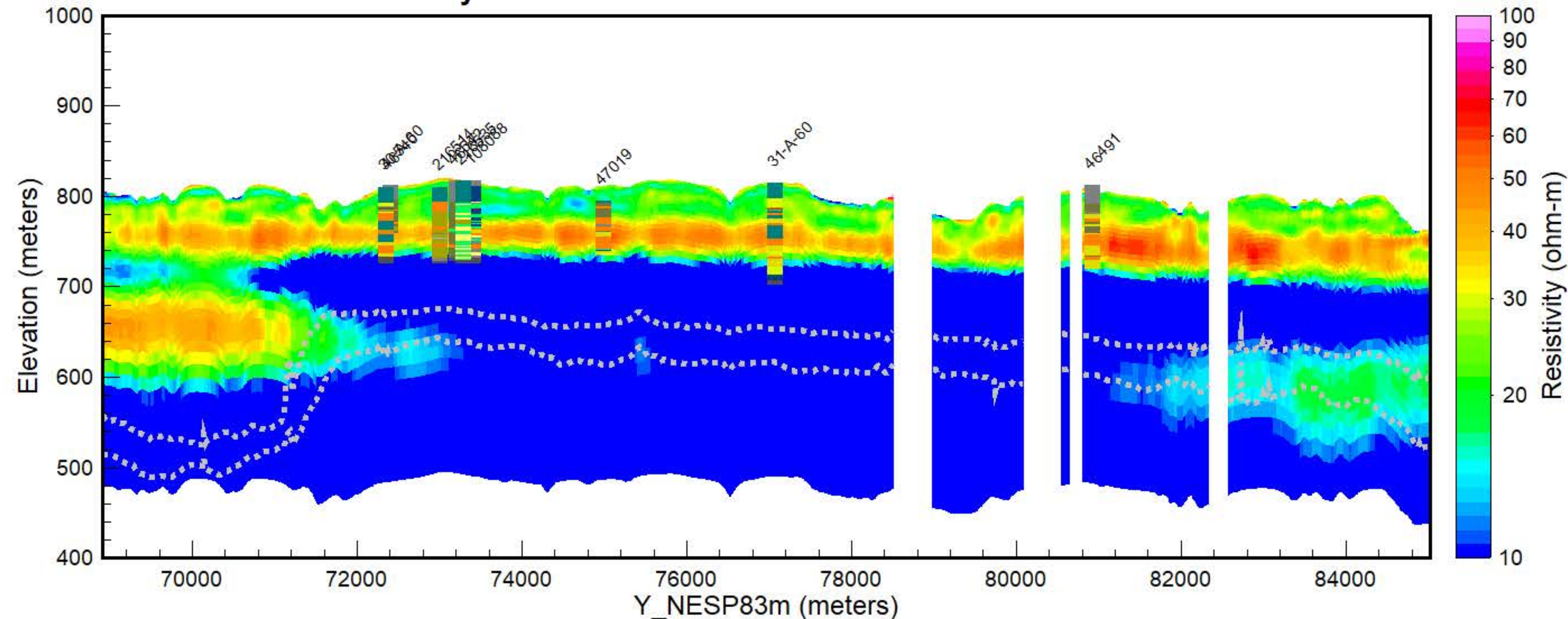
Flight Path Line L504601



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L504601



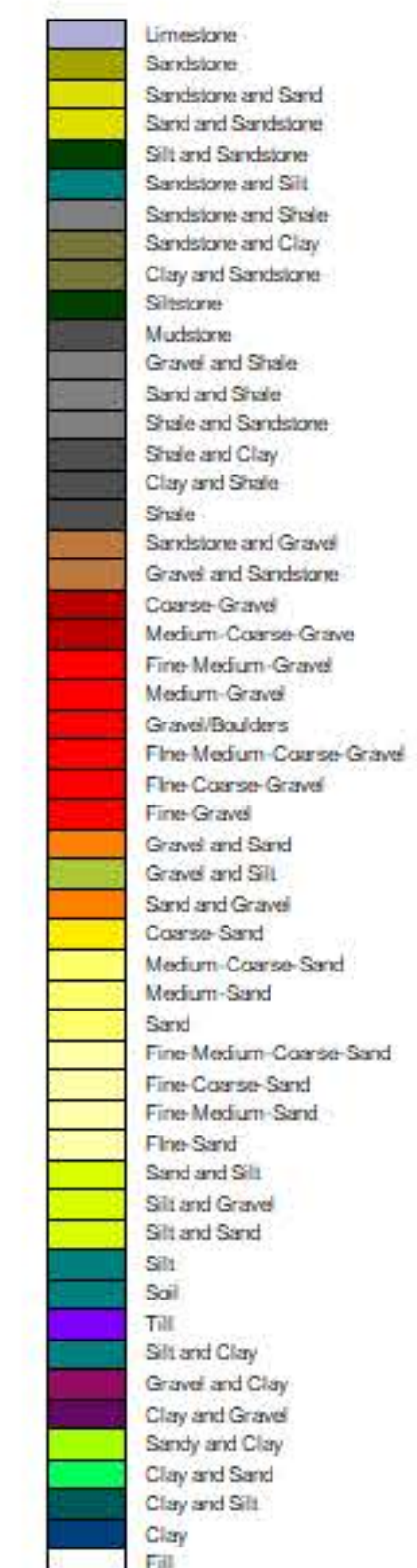
Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

The red line on the Flight Path Map (USGS 100K Topo Map) indicates the location of the data collection.

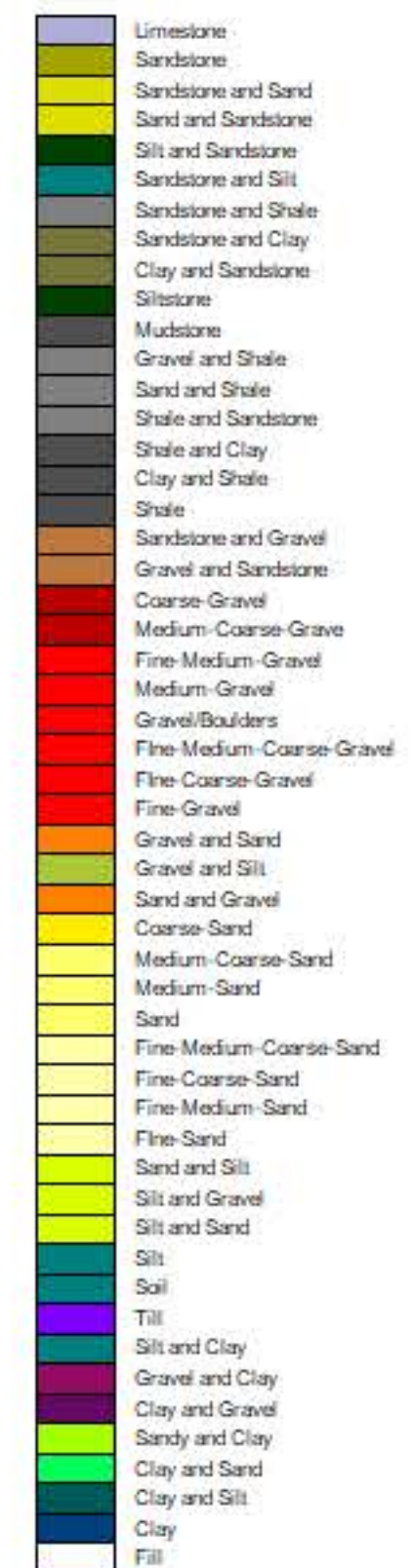
The MRNRD AEM Survey Area map displays the total survey lines as black lines with the current flight line highlighted in red on a general map of the area. The blue dots represent the Conservation Survey Division (CSD) test holes public website downloaded on June 19, 2022 and the orange dots represent the Nebraska Department of Natural Resources (NE-DNR) Registered well database downloaded June 23, 2022.

The AEM inversions resistivity shown as profiles are Spatially-Constrained (SCI) using the Aarhus Geo Software Workbench version 6.7.0.0 and are displayed in the indicated electrical resistivity color scale. Boreholes CSD and NE-DNR displayed on the AEM inversion profile are within 500 meters of the flight line. Lithology is indicated by the legend. Gray-dashed lines when visible on the AEM inversions profile indicate the estimated depth of investigation (DOI). White gaps in the AEM inversion profile indicate gaps in data coverage due to electromagnetic coupling or areas that were not flown due to infrastructure.

Prepared for the MRNRD by Aqua Geo Frameworks, LLC.

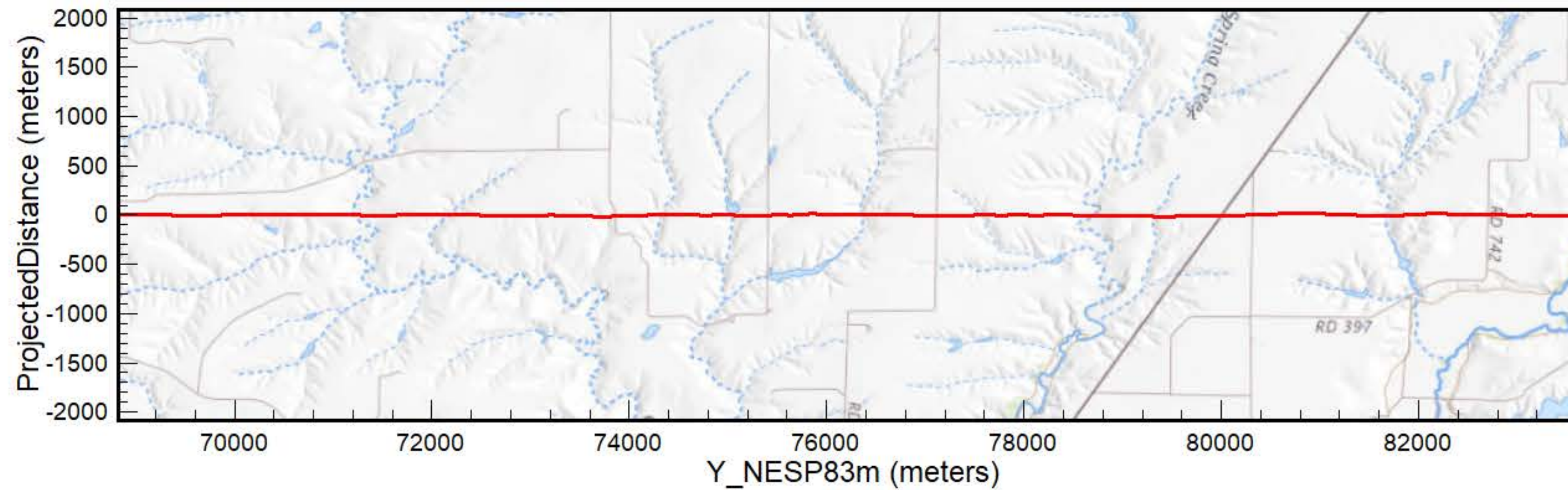


Prepared for the MRNRD by Aqua Geo Frameworks, LLC.

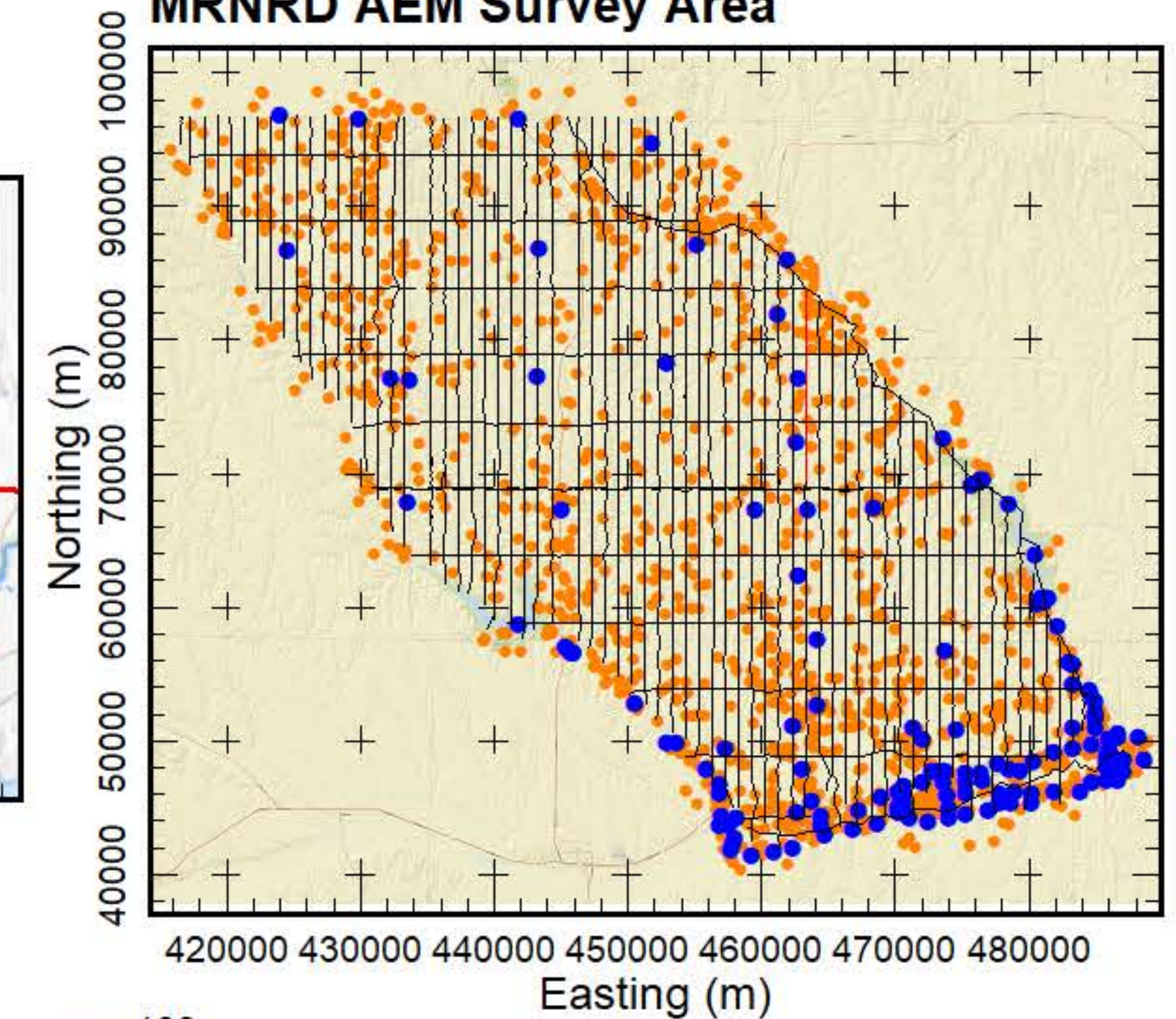




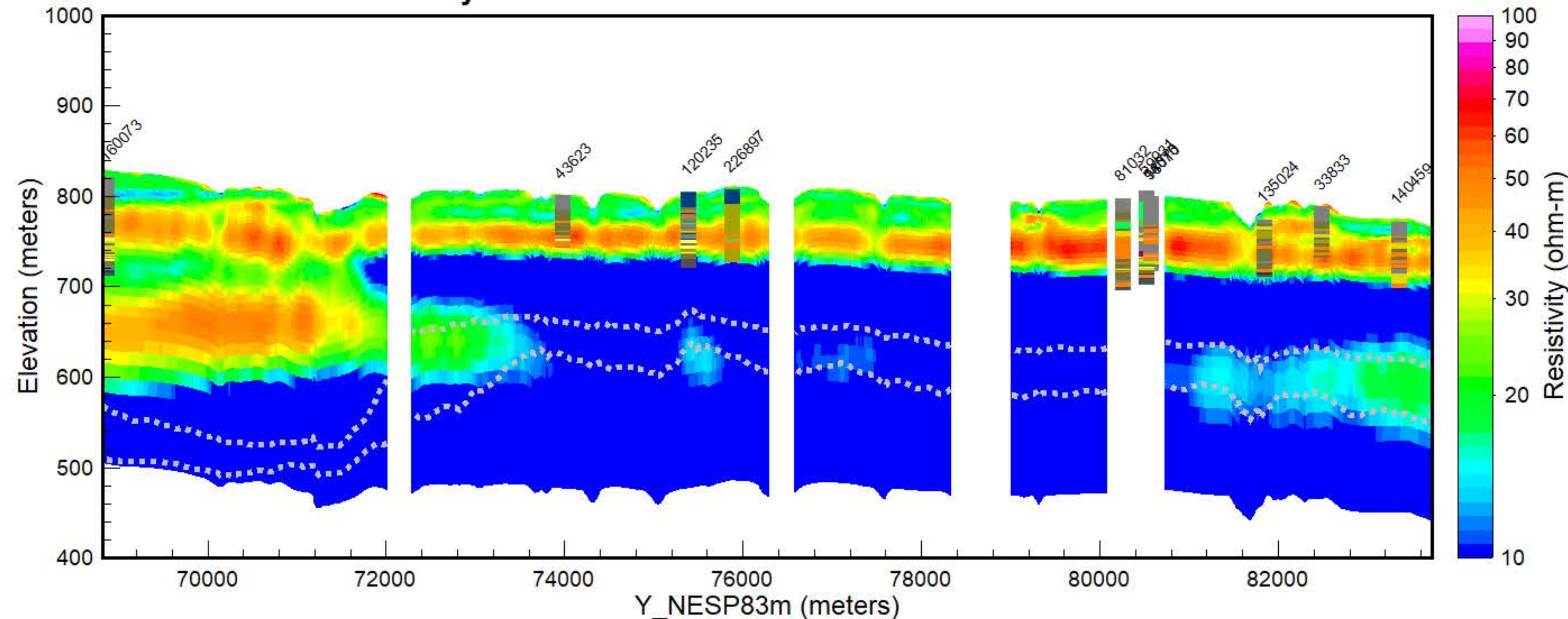
Flight Path Line L504701



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L504701



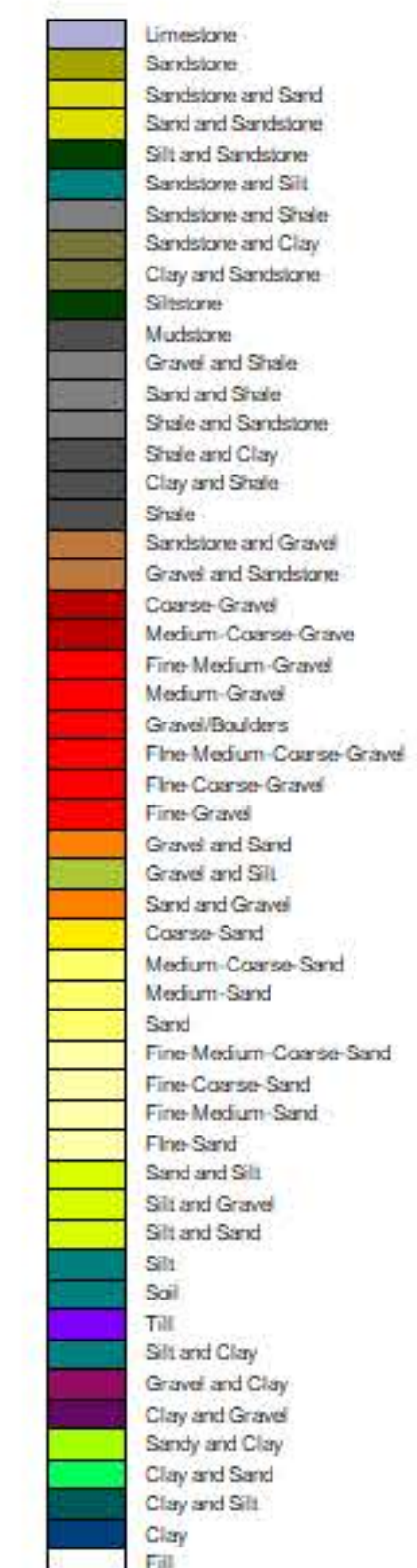
Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

The red line on the Flight Path Map (USGS 100K Topo Map) indicates the location of the data collection.

The MRNRD AEM Survey Area map displays the total survey lines as black lines with the current flight line highlighted in red on a general map of the area. The blue dots represent the Conservation Survey Division (CSD) test holes public website downloaded on June 19, 2022 and the orange dots represent the Nebraska Department of Natural Resources (NE-DNR) Registered well database downloaded June 23, 2022.

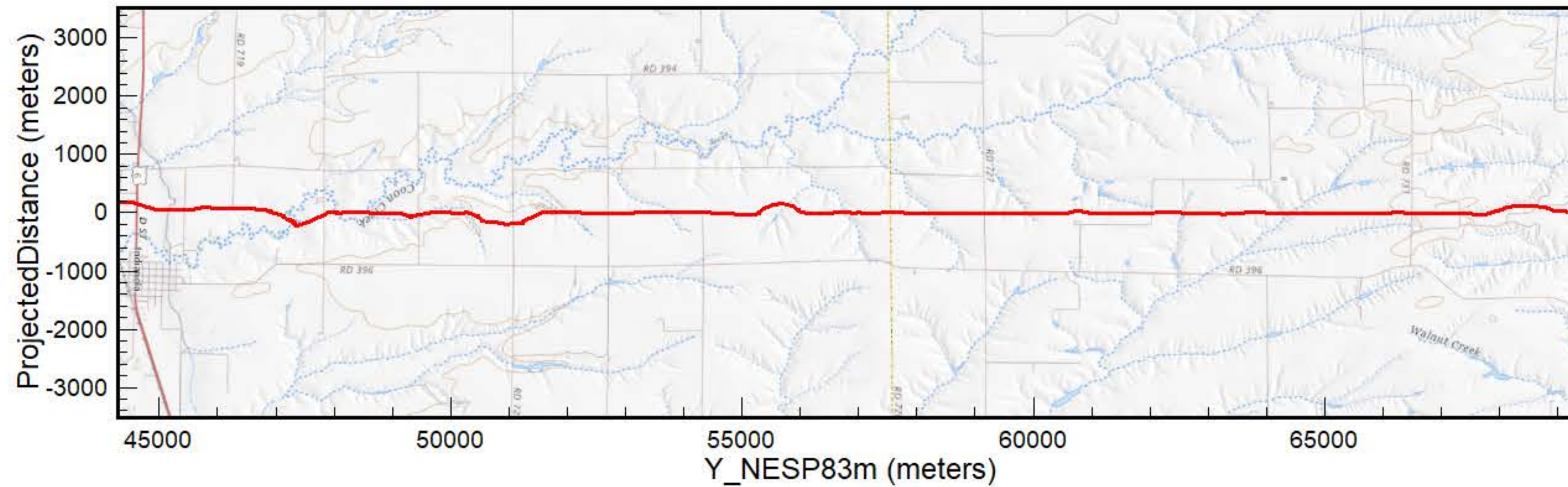
The AEM inversions resistivity shown as profiles are Spatially-Constrained (SCI) using the Aarhus Geo Software Workbench version 6.7.0.0 and are displayed in the indicated electrical resistivity color scale. Boreholes CSD and NE-DNR displayed on the AEM inversion profile are within 500 meters of the flight line. Lithology is indicated by the legend. Gray-dashed lines when visible on the AEM inversions profile indicate the estimated depth of investigation (DOI). White gaps in the AEM inversion profile indicate gaps in data coverage due to electromagnetic coupling or areas that were not flown due to infrastructure.

Prepared for the MRNRD by Aqua Geo Frameworks, LLC.

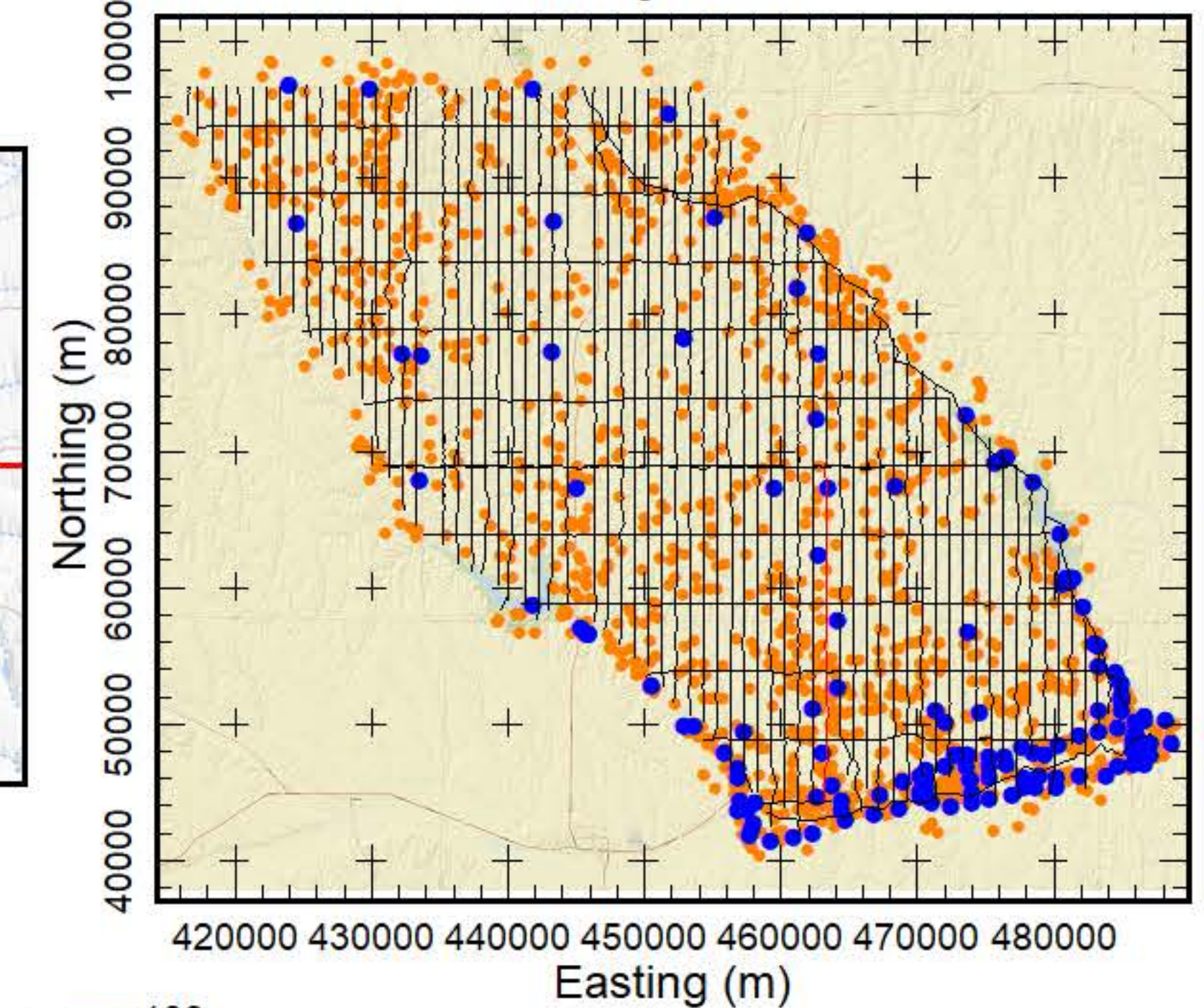




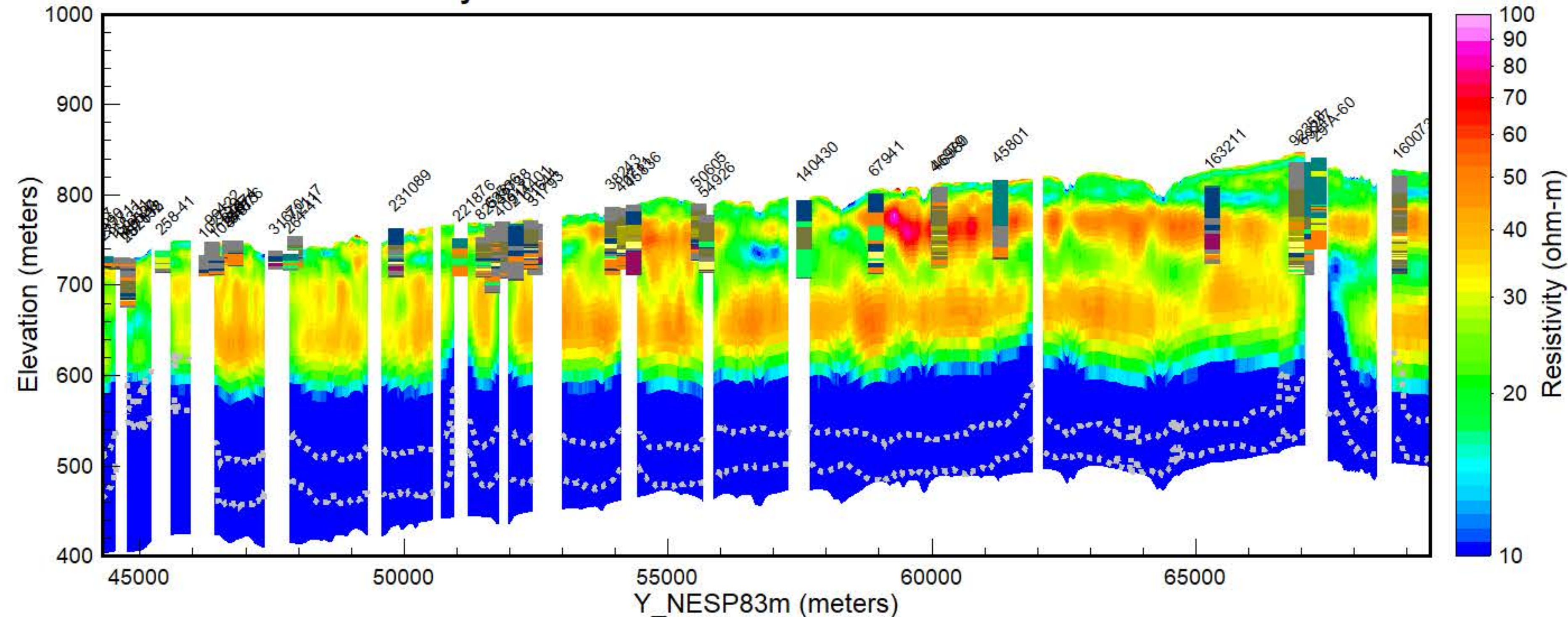
Flight Path Line L504702



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L504702



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

The red line on the Flight Path Map (USGS 100K Topo Map) indicates the location of the data collection.

The MRNRD AEM Survey Area map displays the total survey lines as black lines with the current flight line highlighted in red on a general map of the area. The blue dots represent the Conservation Survey Division (CSD) test holes public website downloaded on June 19, 2022 and the orange dots represent the Nebraska Department of Natural Resources (NE-DNR) Registered well database downloaded June 23, 2022.

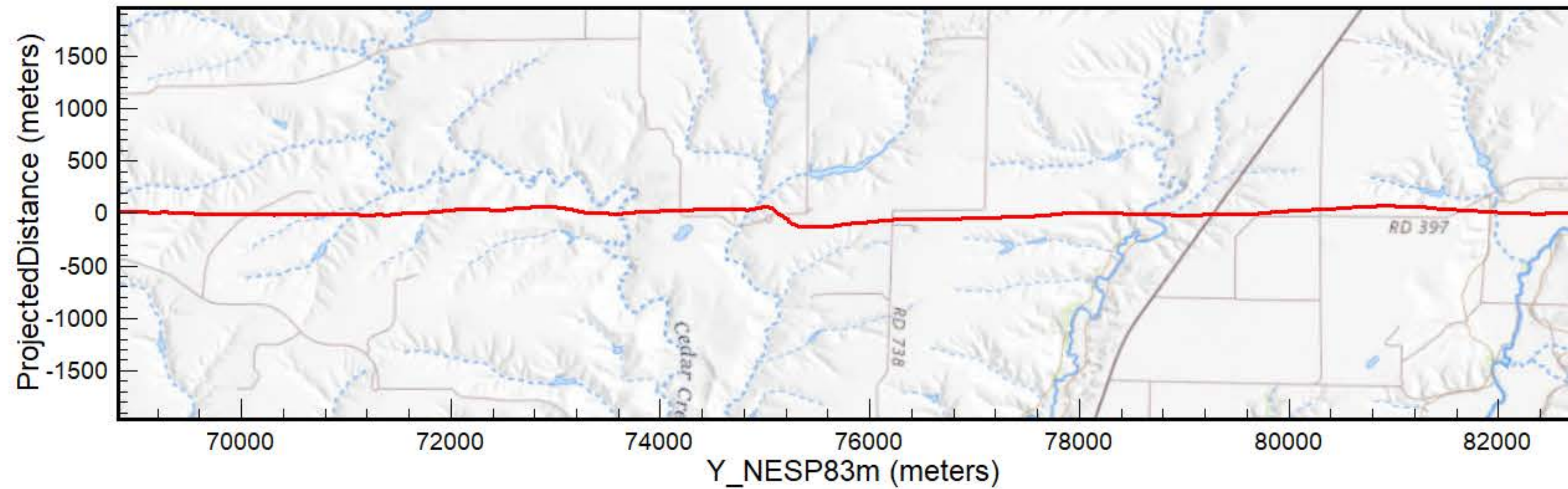
The AEM inversions resistivity shown as profiles are Spatially-Constrained (SCI) using the Aarhus Geo Software Workbench version 6.7.0.0 and are displayed in the indicated electrical resistivity color scale. Boreholes CSD and NE-DNR displayed on the AEM inversion profile are within 500 meters of the flight line. Lithology is indicated by the legend. Gray-dashed lines when visible on the AEM inversions profile indicate the estimated depth of investigation (DOI). White gaps in the AEM inversion profile indicate gaps in data coverage due to electromagnetic coupling or areas that were not flown due to infrastructure.

Prepared for the MRNRD by Aqua Geo Frameworks, LLC.

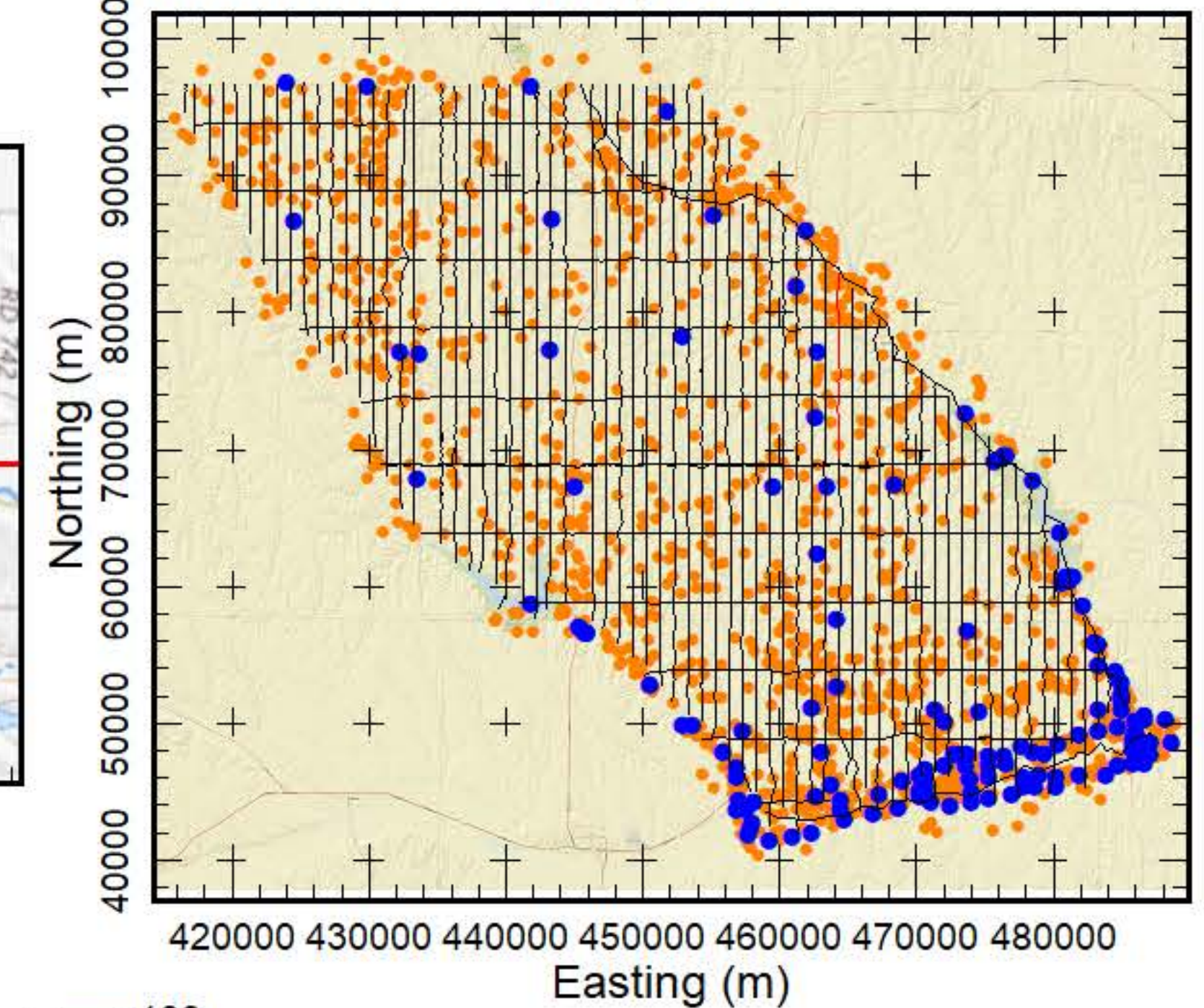




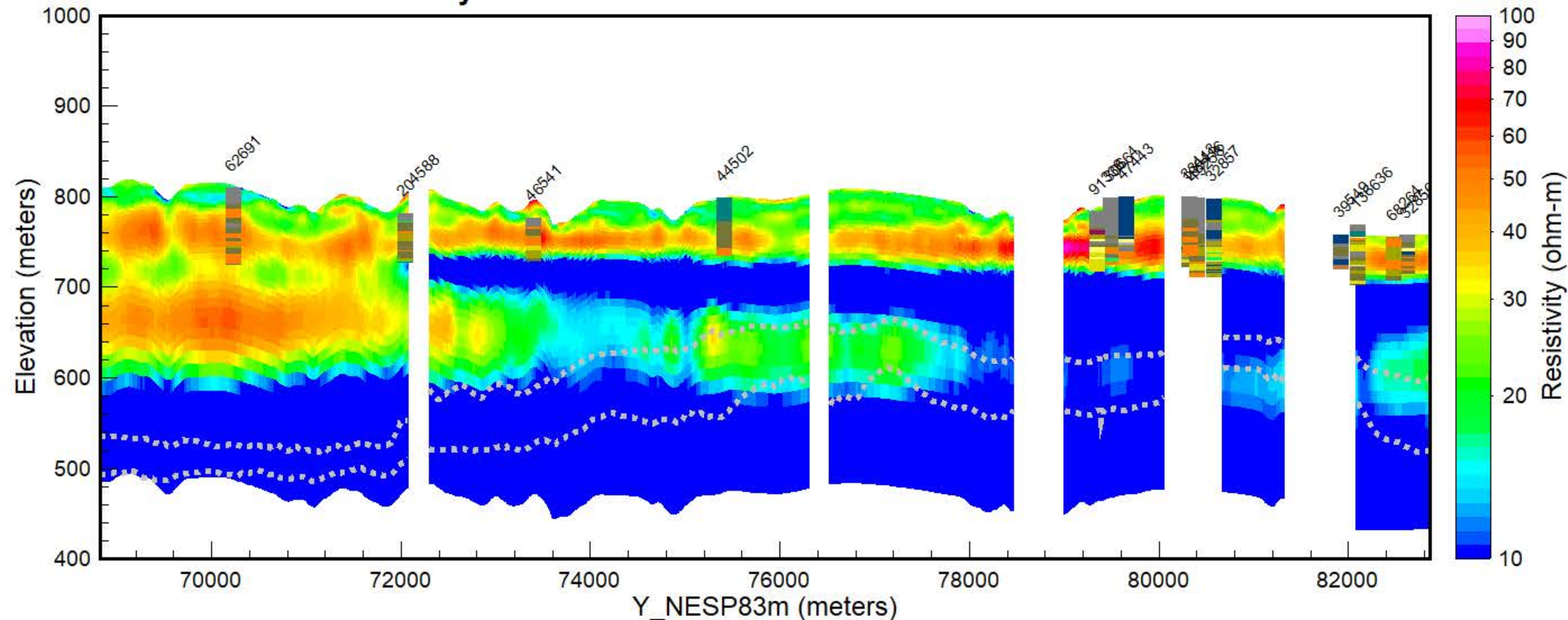
Flight Path Line L504801



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L504801



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

The red line on the Flight Path Map (USGS 100K Topo Map) indicates the location of the data collection.

The MRNRD AEM Survey Area map displays the total survey lines as black lines with the current flight line highlighted in red on a general map of the area. The blue dots represent the Conservation Survey Division (CSD) test holes public website downloaded on June 19, 2022 and the orange dots represent the Nebraska Department of Natural Resources (NE-DNR) Registered well database downloaded June 23, 2022.

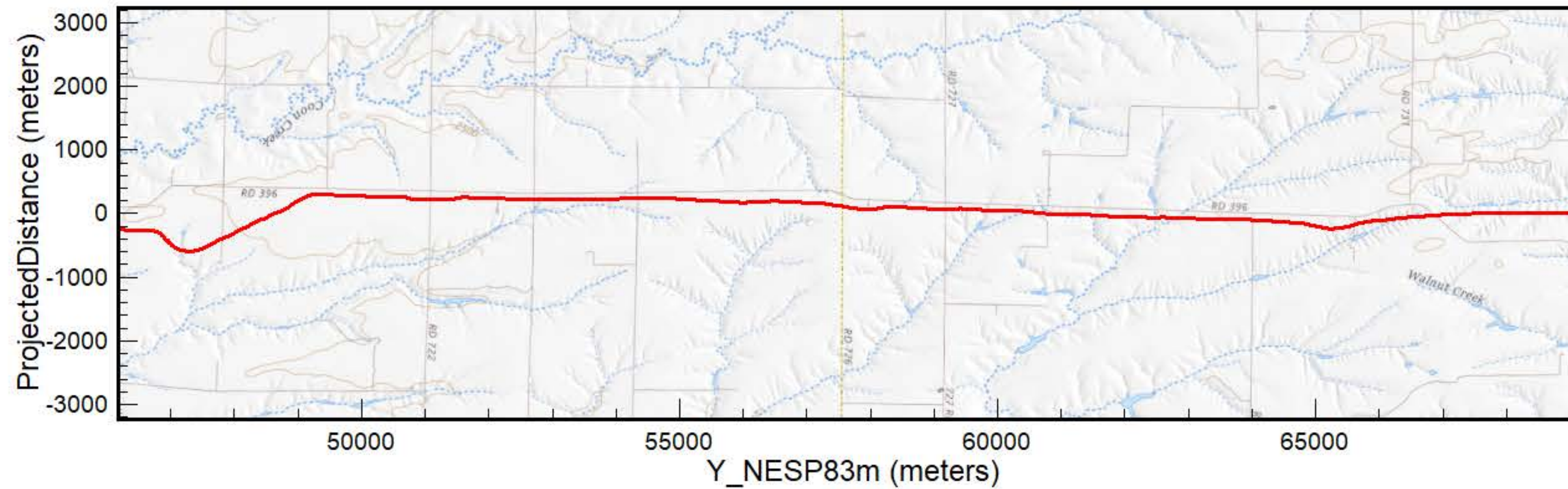
The AEM inversions resistivity shown as profiles are Spatially-Constrained (SCI) using the Aarhus Geo Software Workbench version 6.7.0.0 and are displayed in the indicated electrical resistivity color scale. Boreholes CSD and NE-DNR displayed on the AEM inversion profile are within 500 meters of the flight line. Lithology is indicated by the legend. Gray-dashed lines when visible on the AEM inversions profile indicate the estimated depth of investigation (DOI). White gaps in the AEM inversion profile indicate gaps in data coverage due to electromagnetic coupling or areas that were not flown due to infrastructure.

Prepared for the MRNRD by Aqua Geo Frameworks, LLC.

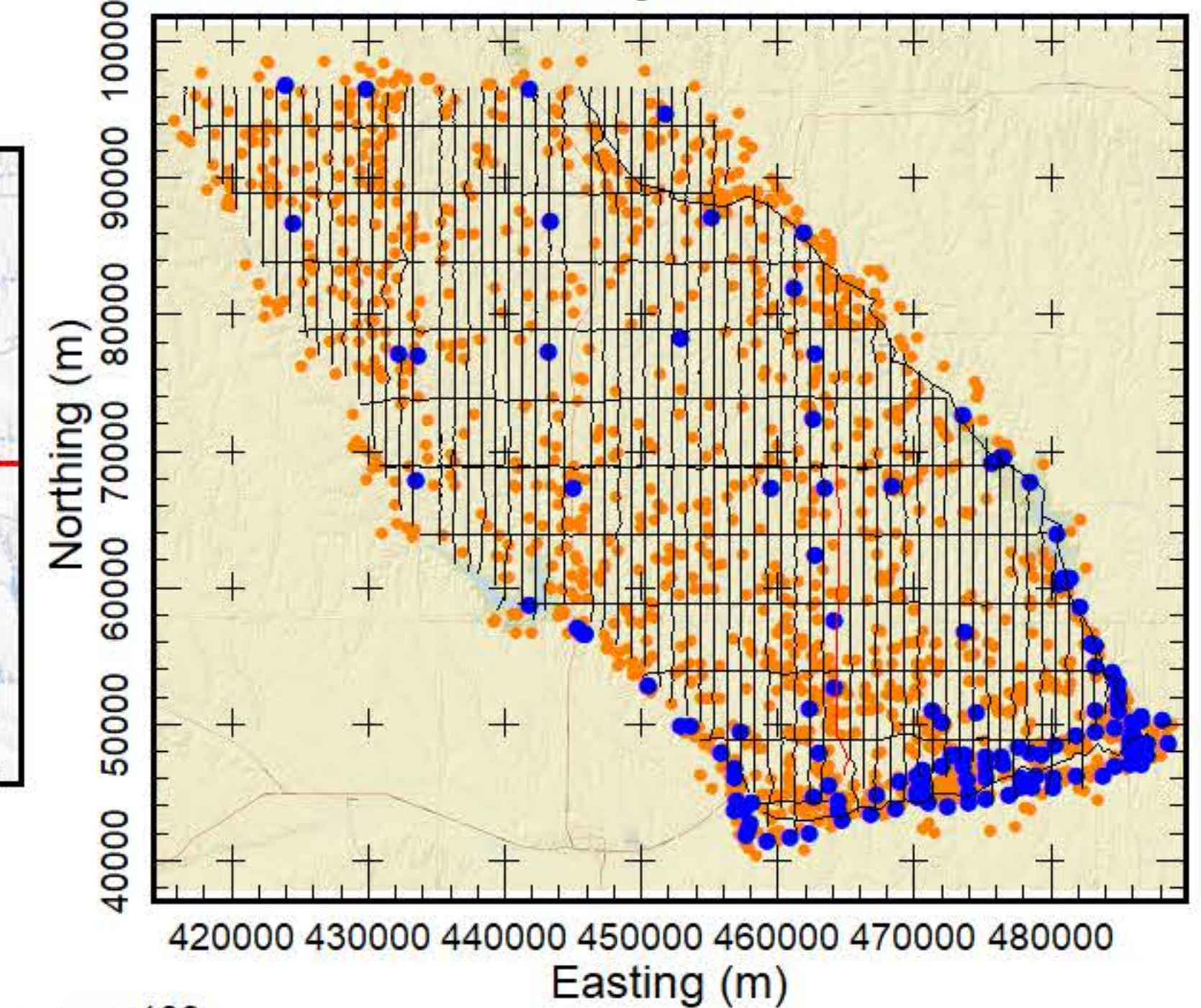




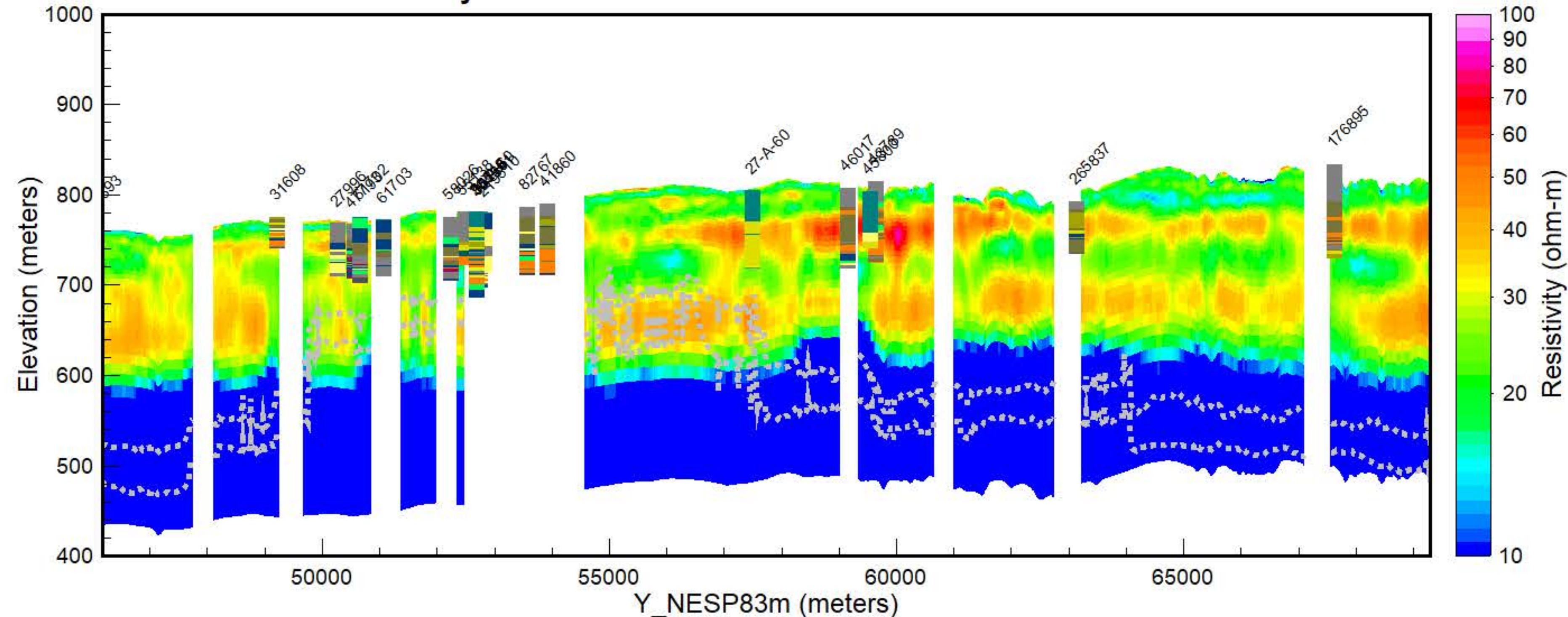
Flight Path Line L504802



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L504802



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

The red line on the Flight Path Map (USGS 100K Topo Map) indicates the location of the data collection.

The MRNRD AEM Survey Area map displays the total survey lines as black lines with the current flight line highlighted in red on a general map of the area. The blue dots represent the Conservation Survey Division (CSD) test holes public website downloaded on June 19, 2022 and the orange dots represent the Nebraska Department of Natural Resources (NE-DNR) Registered well database downloaded June 23, 2022.

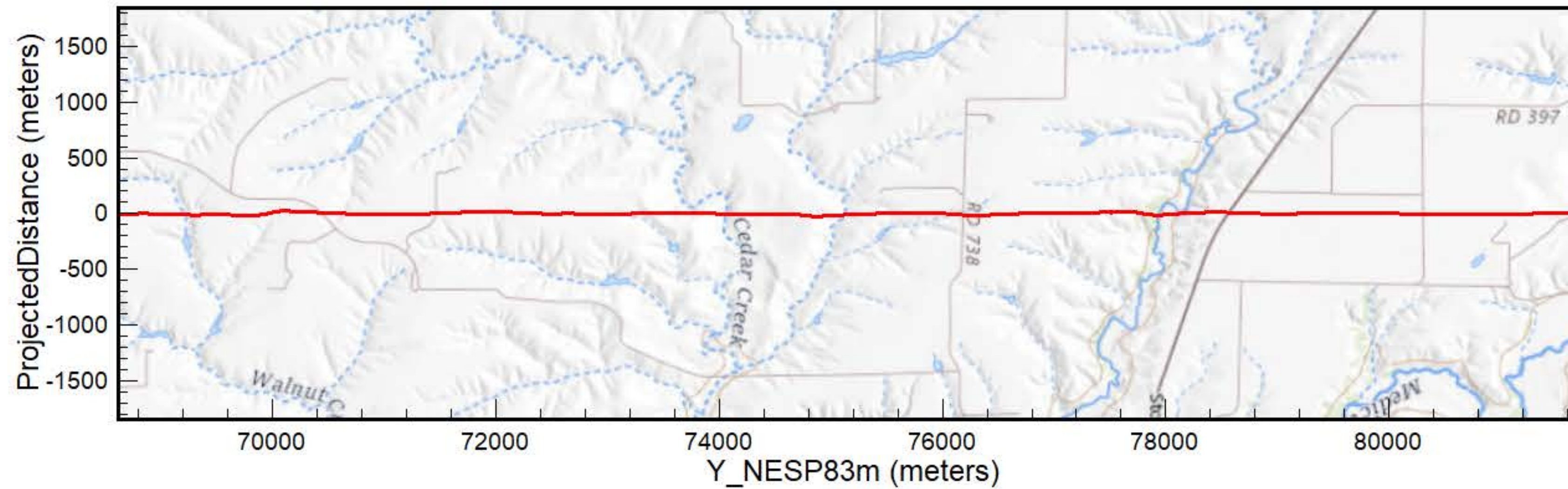
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Prepared for the MRNRD by Aqua Geo Frameworks, LLC.

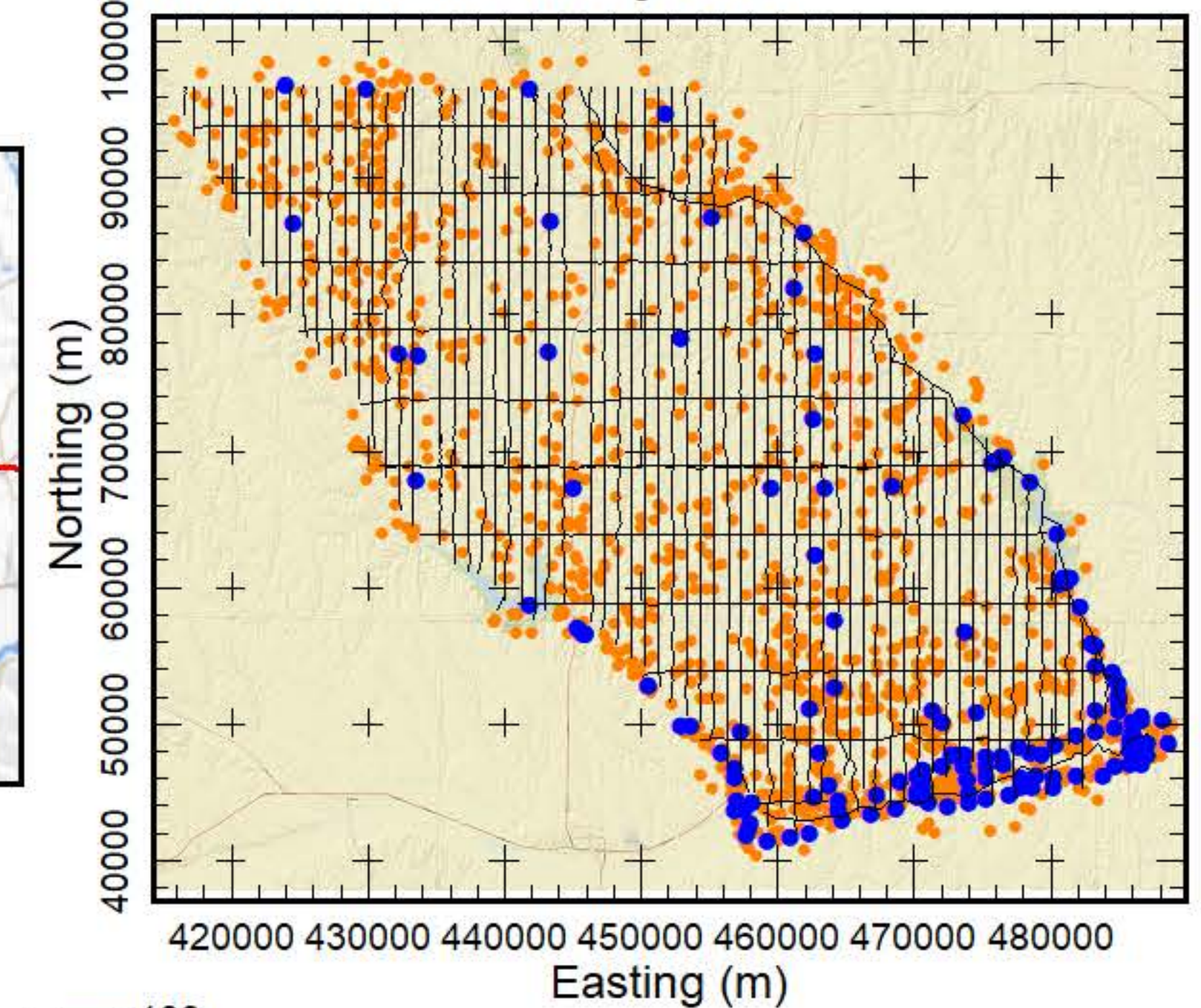




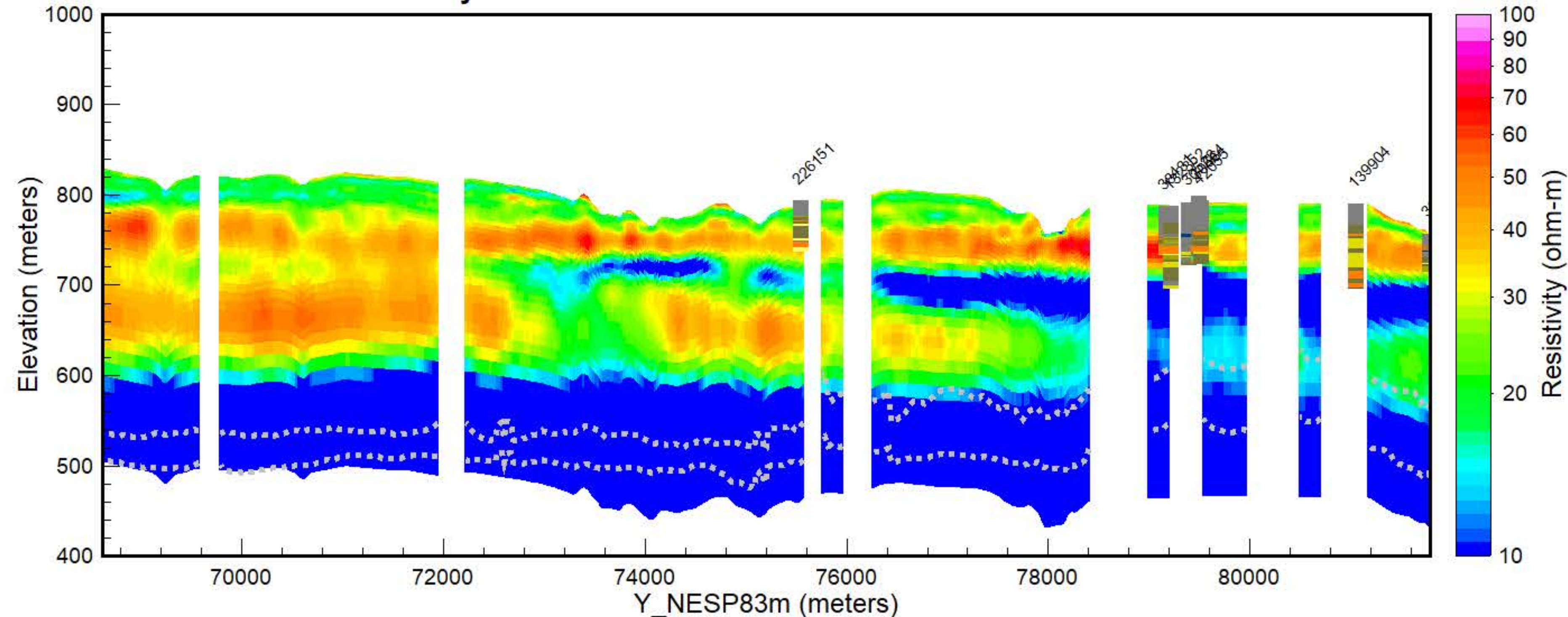
Flight Path Line L504901



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L504901



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

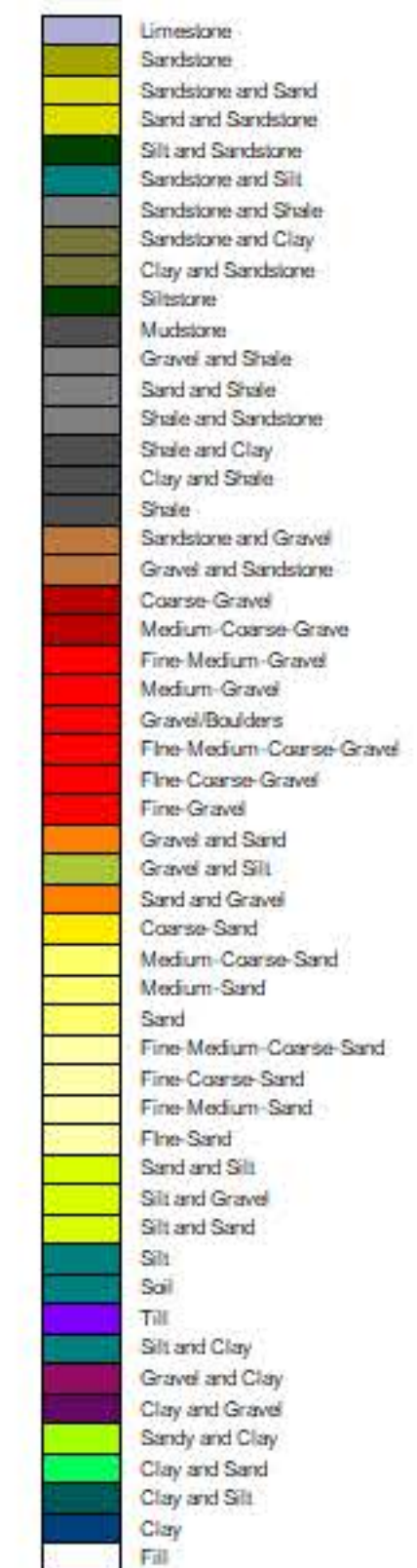
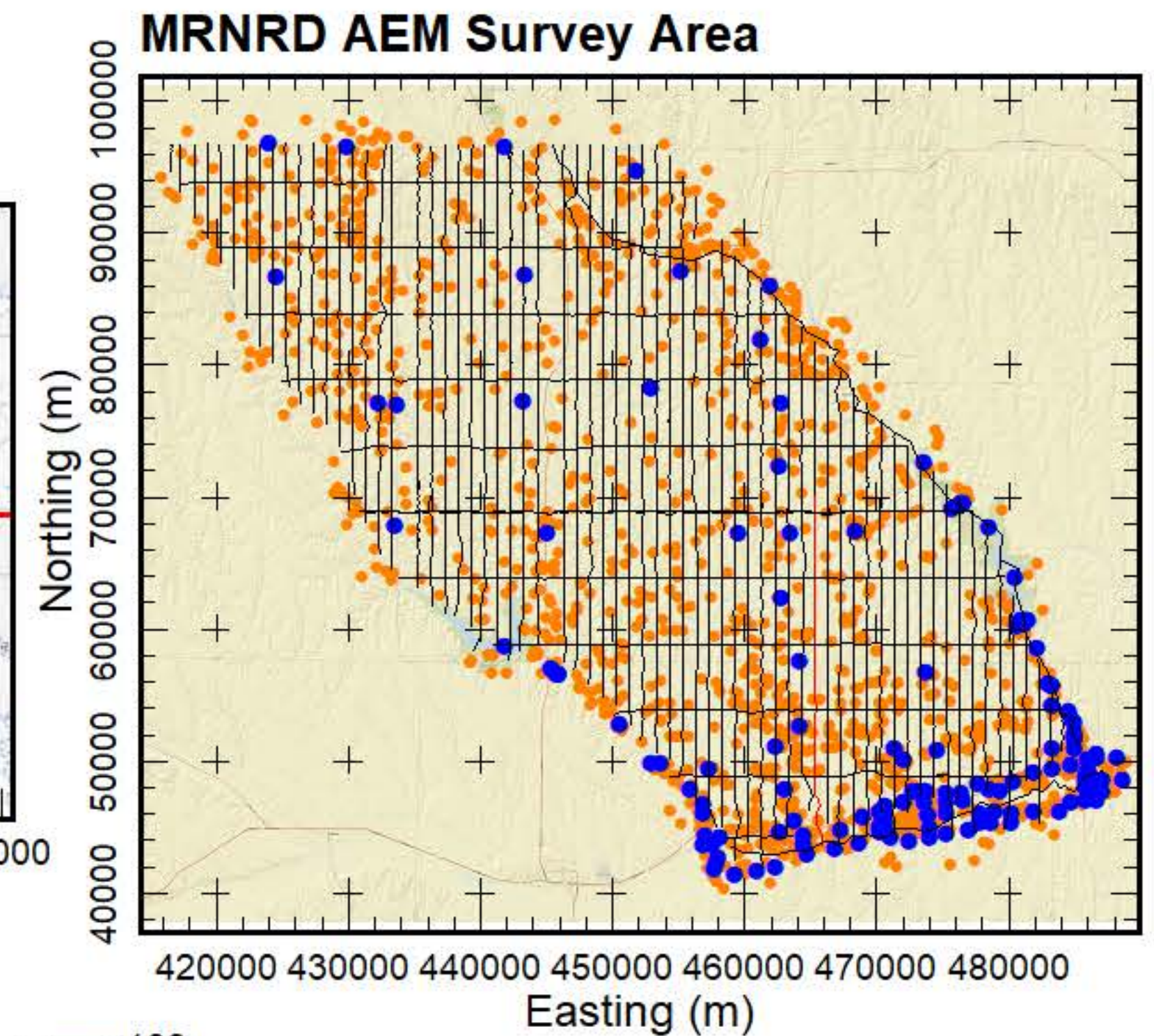
The red line on the Flight Path Map (USGS 100K Topo Map) indicates the location of the data collection.

The MRNRD AEM Survey Area map displays the total survey lines as black lines with the current flight line highlighted in red on a general map of the area. The blue dots represent the Conservation Survey Division (CSD) test holes public website downloaded on June 19, 2022 and the orange dots represent the Nebraska Department of Natural Resources (NE-DNR) Registered well database downloaded June 23, 2022.

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Prepared for the MRNRD by Aqua Geo Frameworks, LLC.

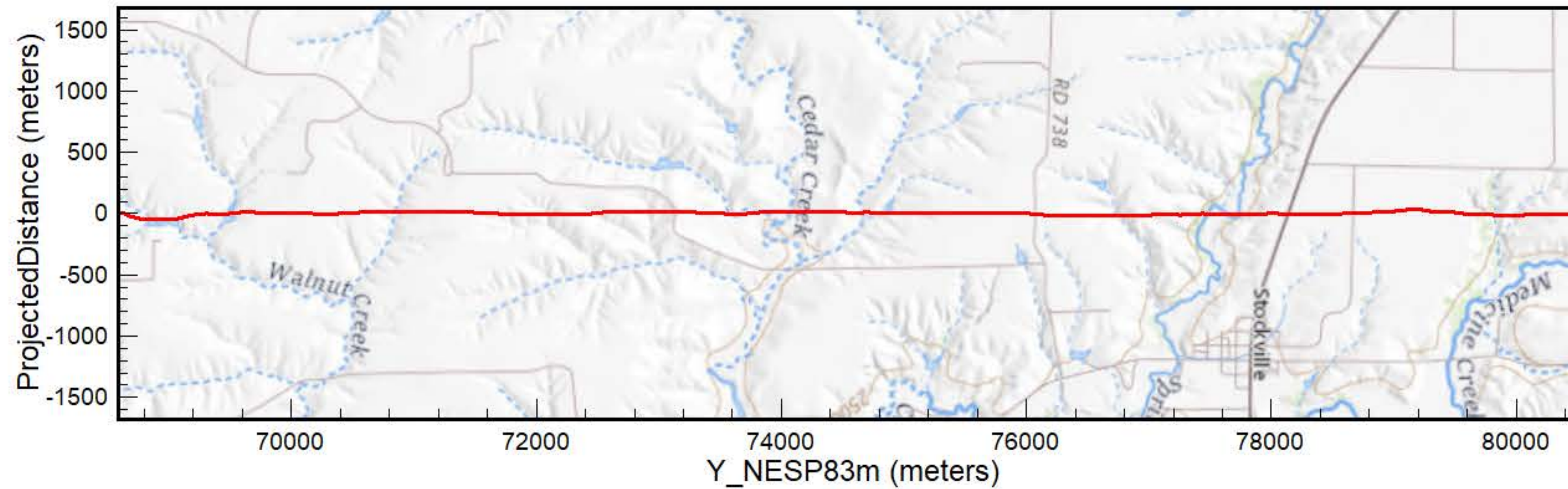




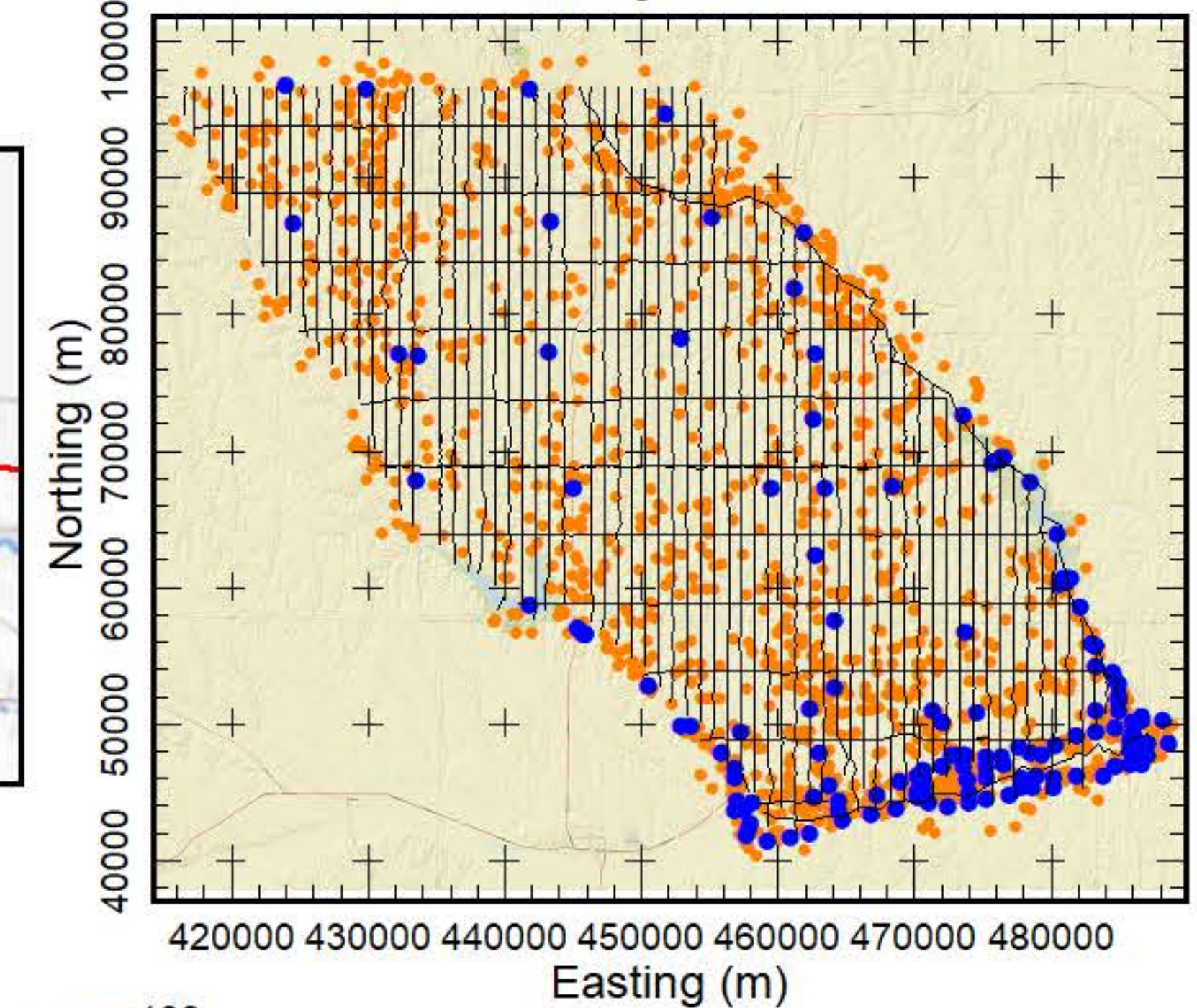
Prepared for the MRNRD by Aqua Geo Frameworks, LLC.



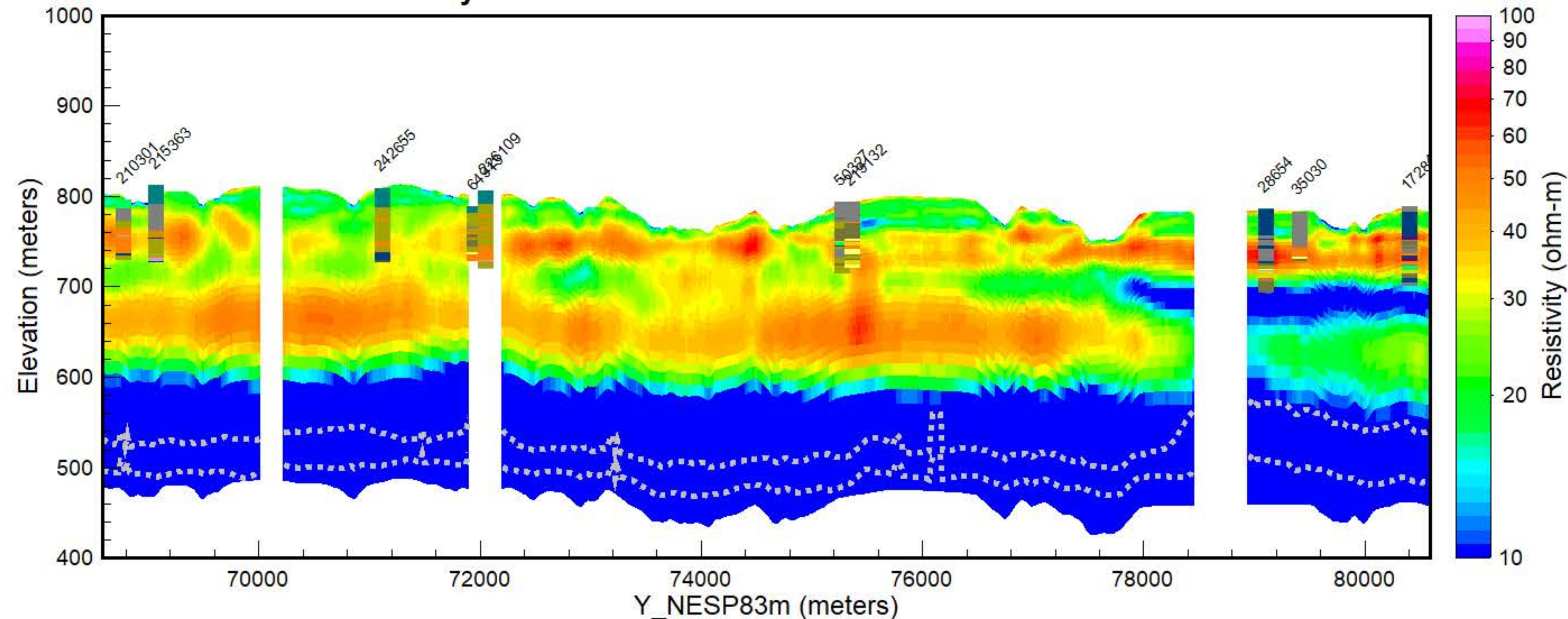
Flight Path Line L505001



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L505001



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

The red line on the Flight Path Map (USGS 100K Topo Map) indicates the location of the data collection.

The MRNRD AEM Survey Area map displays the total survey lines as black lines with the current flight line highlighted in red on a general map of the area. The blue dots represent the Conservation Survey Division (CSD) test holes public website downloaded on June 19, 2022 and the orange dots represent the Nebraska Department of Natural Resources (NE-DNR) Registered well database downloaded June 23, 2022.

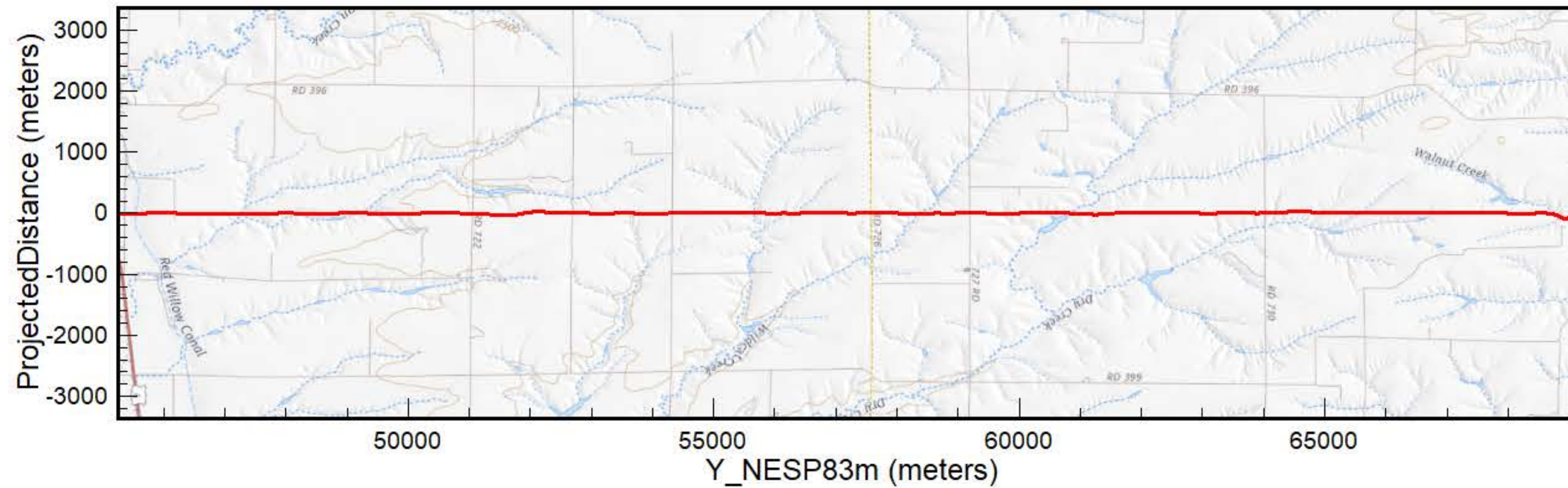
The AEM inversions resistivity shown as profiles are Spatially-Constrained (SCI) using the Aarhus Geo Software Workbench version 6.7.0.0 and are displayed in the indicated electrical resistivity color scale. Boreholes CSD and NE-DNR displayed on the AEM inversion profile are within 500 meters of the flight line. Lithology is indicated by the legend. Gray-dashed lines when visible on the AEM inversions profile indicate the estimated depth of investigation (DOI). White gaps in the AEM inversion profile indicate gaps in data coverage due to electromagnetic coupling or areas that were not flown due to infrastructure.

Prepared for the MRNRD by Aqua Geo Frameworks, LLC.

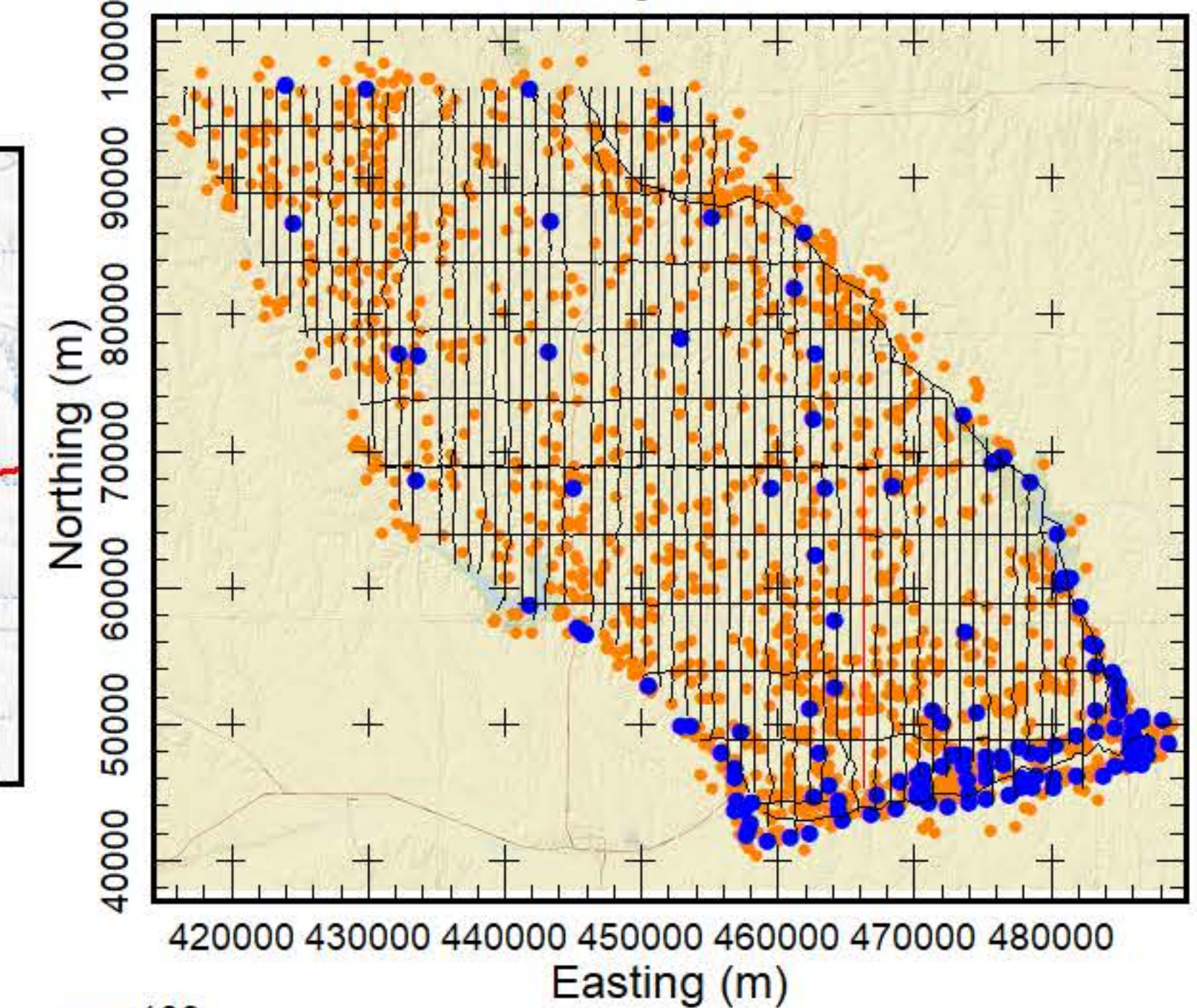




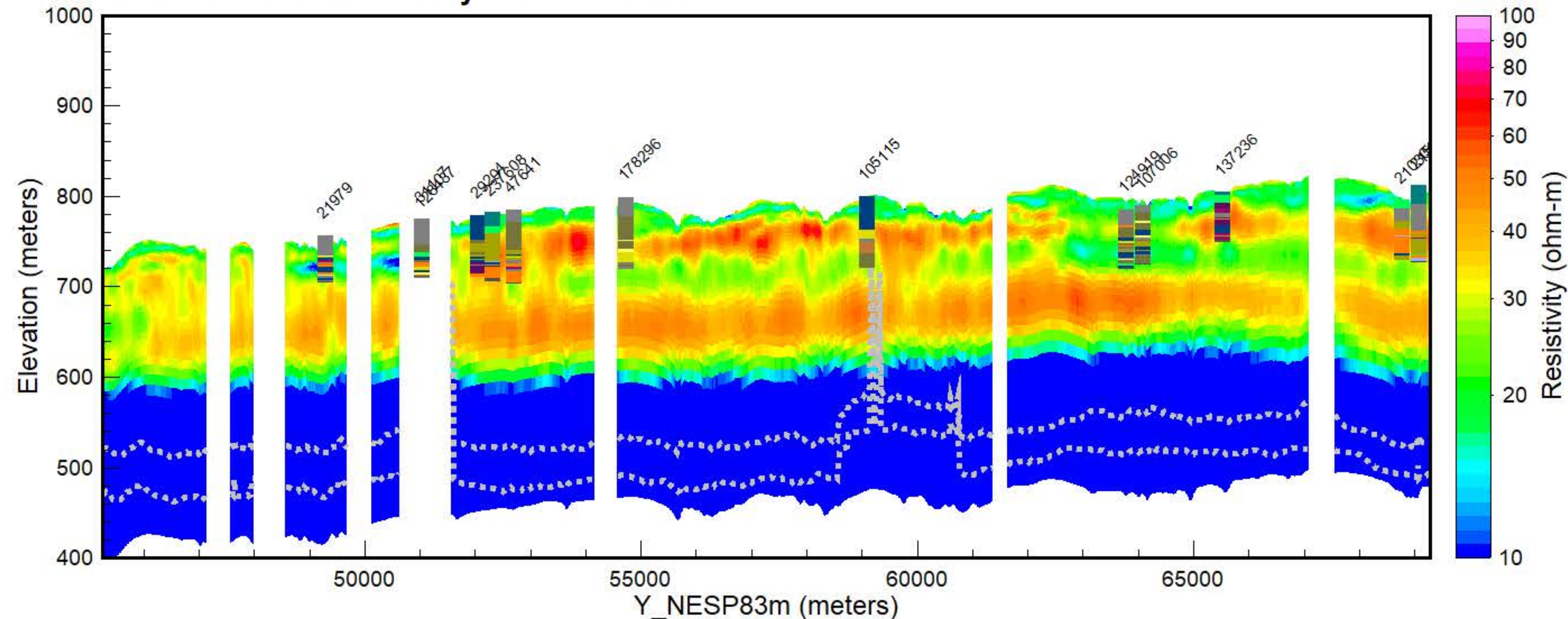
Flight Path Line L505002



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L505002



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

The red line on the Flight Path Map (USGS 100K Topo Map) indicates the location of the data collection.

The MRNRD AEM Survey Area map displays the total survey lines as black lines with the current flight line highlighted in red on a general map of the area. The blue dots represent the Conservation Survey Division (CSD) test holes public website downloaded on June 19, 2022 and the orange dots represent the Nebraska Department of Natural Resources (NE-DNR) Registered well database downloaded June 23, 2022.

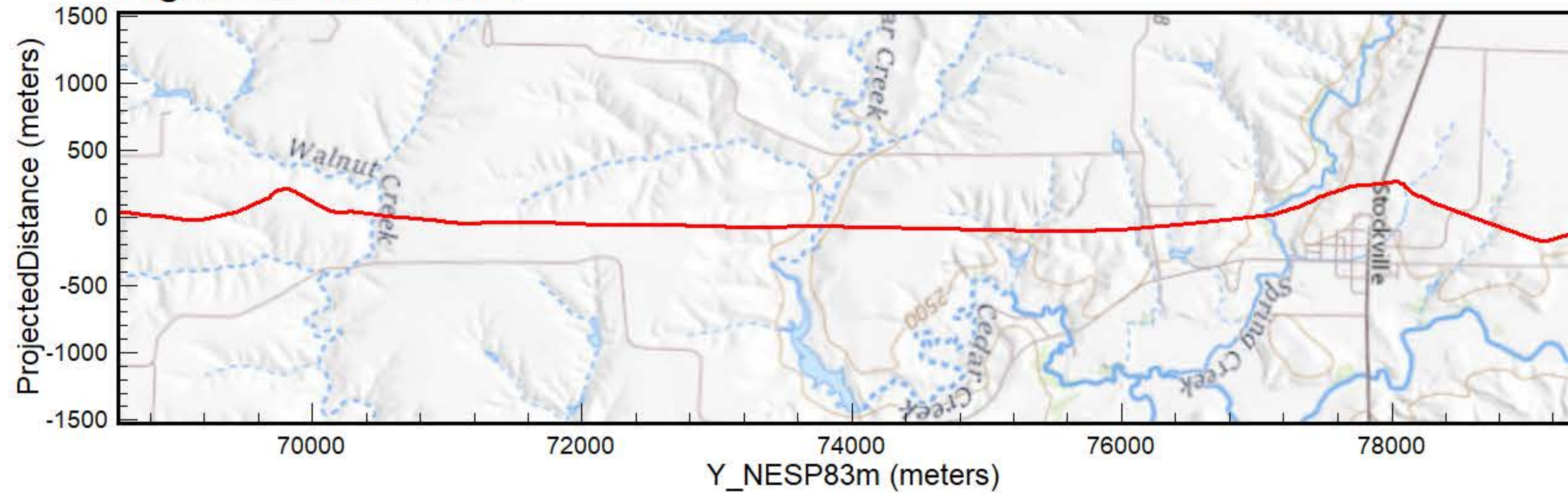
The AEM inversions resistivity shown as profiles are Spatially-Constrained (SCI) using the Aarhus Geo Software Workbench version 6.7.0.0 and are displayed in the indicated electrical resistivity color scale. Boreholes CSD and NE-DNR displayed on the AEM inversion profile are within 500 meters of the flight line. Lithology is indicated by the legend. Gray-dashed lines when visible on the AEM inversions profile indicate the estimated depth of investigation (DOI). White gaps in the AEM inversion profile indicate gaps in data coverage due to electromagnetic coupling or areas that were not flown due to infrastructure.

Prepared for the MRNRD by Aqua Geo Frameworks, LLC.

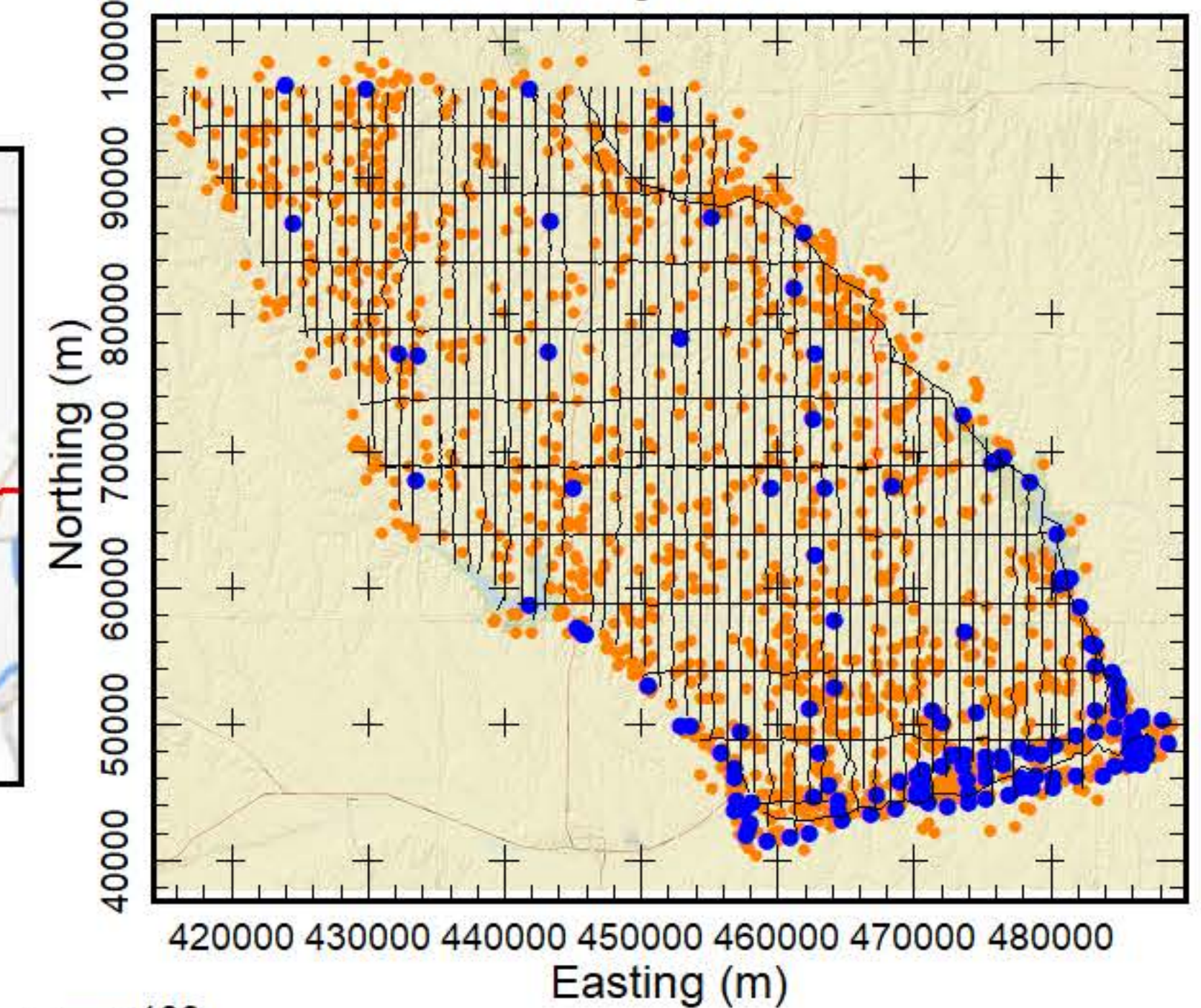




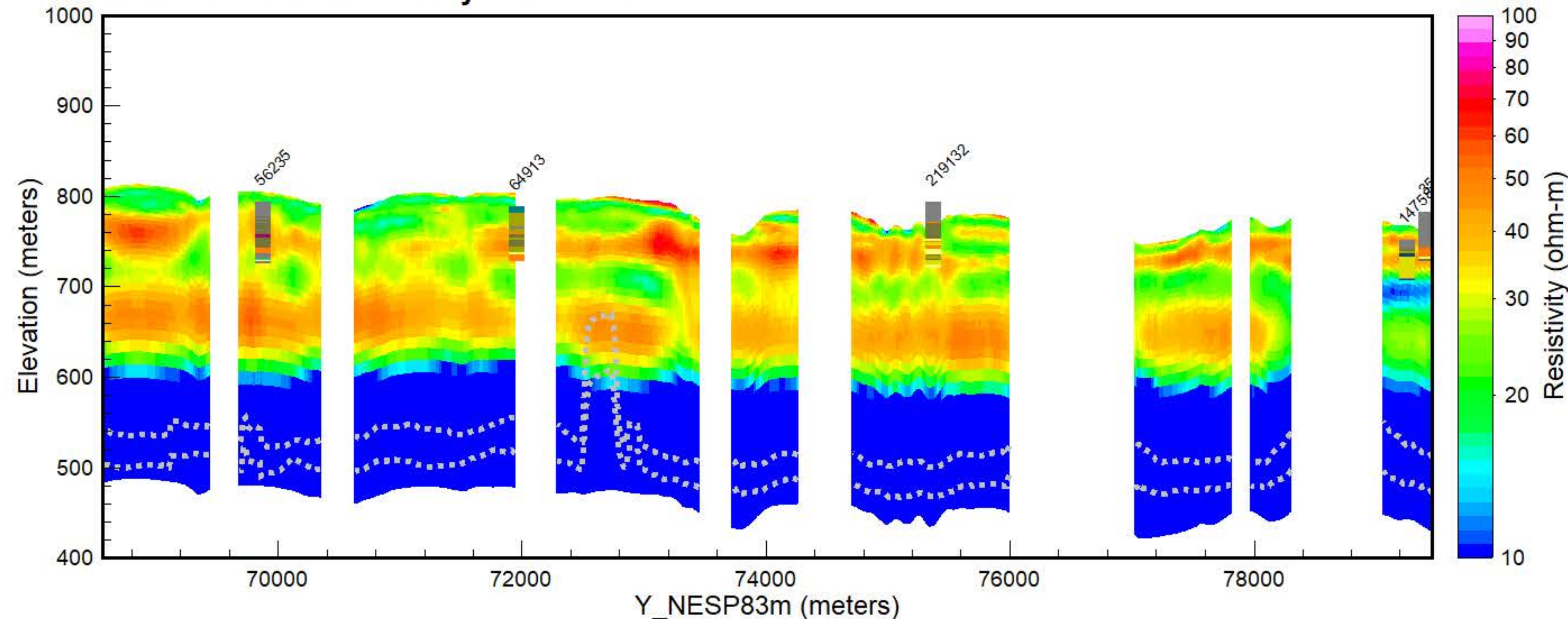
Flight Path Line L505101



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L505101



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

The red line on the Flight Path Map (USGS 100K Topo Map) indicates the location of the data collection.

The MRNRD AEM Survey Area map displays the total survey lines as black lines with the current flight line highlighted in red on a general map of the area. The blue dots represent the Conservation Survey Division (CSD) test holes public website downloaded on June 19, 2022 and the orange dots represent the Nebraska Department of Natural Resources (NE-DNR) Registered well database downloaded June 23, 2022.

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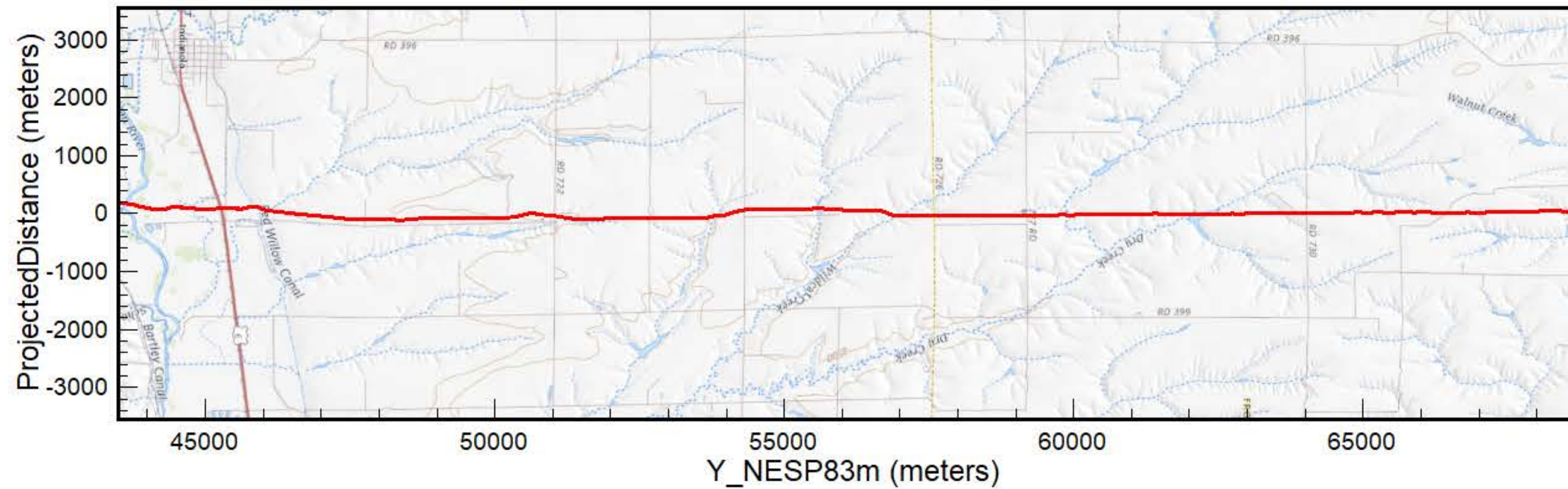
Prepared for the MRNRD by Aqua Geo Frameworks, LLC.



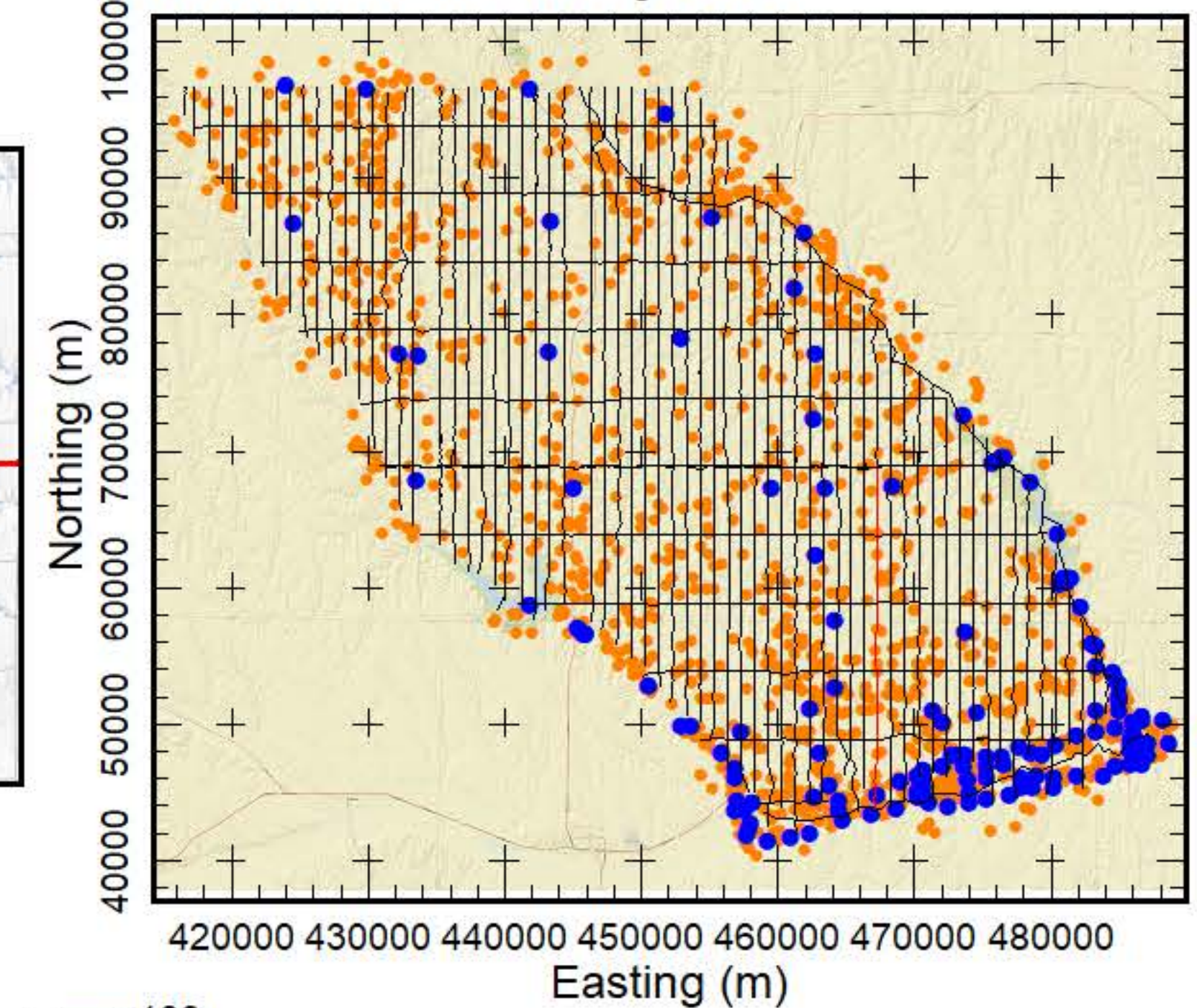


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CONSERVATION AND SURVEY DIVISION

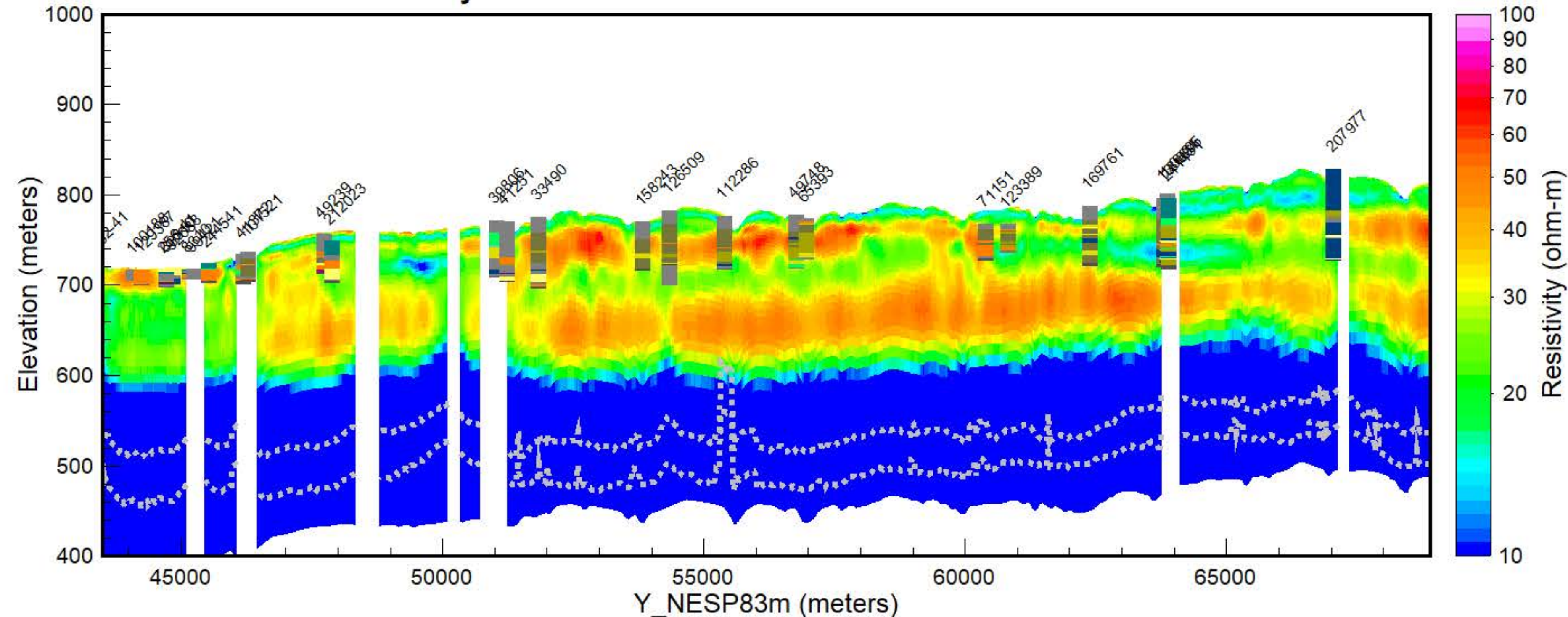
Flight Path Line L505102



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L505102



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

The red line on the Flight Path Map (USGS 100K Topo Map) indicates the location of the data collection.

The MRNRD AEM Survey Area map displays the total survey lines as black lines with the current flight line highlighted in red on a general map of the area. The blue dots represent the Conservation Survey Division (CSD) test holes public website downloaded on June 19, 2022 and the orange dots represent the Nebraska Department of Natural Resources (NE-DNR) Registered well database downloaded June 23, 2022.

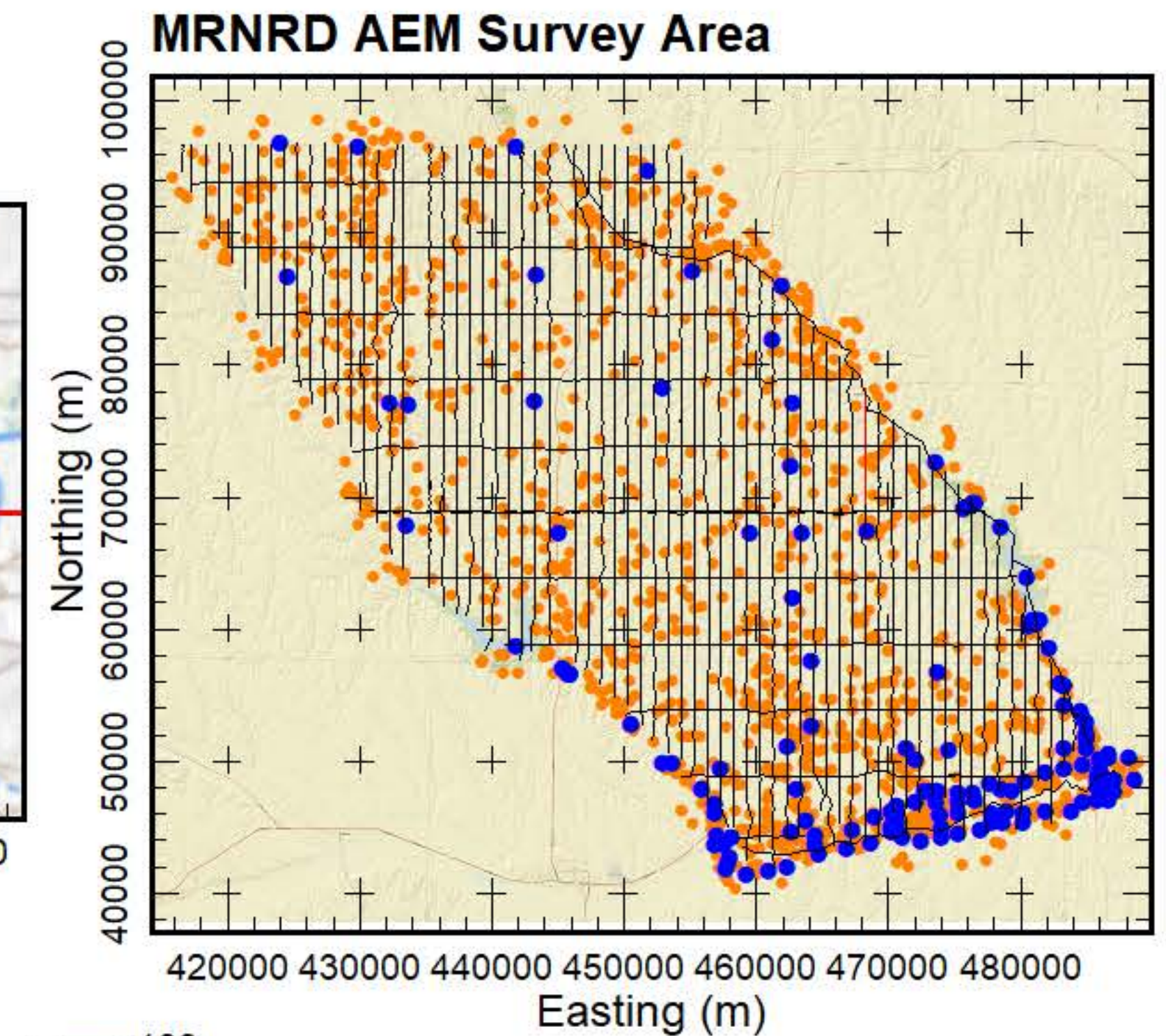
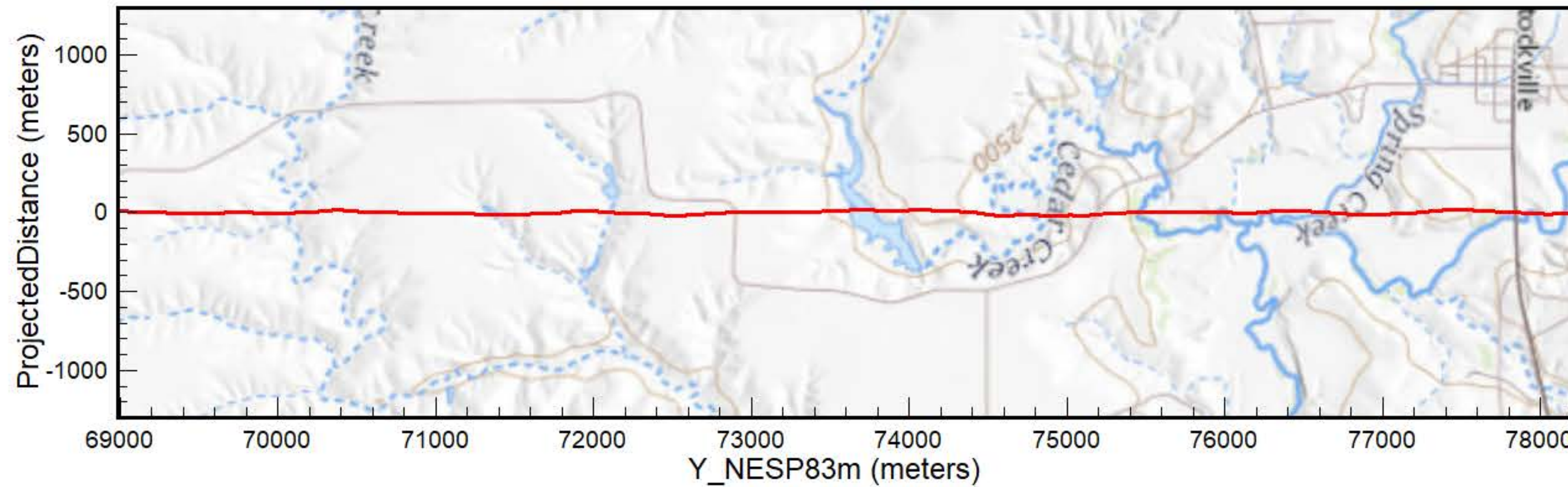
The AEM inversions resistivity shown as profiles are Spatially-Constrained (SCI) using the Aarhus Geo Software Workbench version 6.7.0.0 and are displayed in the indicated electrical resistivity color scale. Boreholes CSD and NE-DNR displayed on the AEM inversion profile are within 500 meters of the flight line. Lithology is indicated by the legend. Gray-dashed lines when visible on the AEM inversions profile indicate the estimated depth of investigation (DOI). White gaps in the AEM inversion profile indicate gaps in data coverage due to electromagnetic coupling or areas that were not flown due to infrastructure.

Prepared for the MRNRD by Aqua Geo Frameworks, LLC.

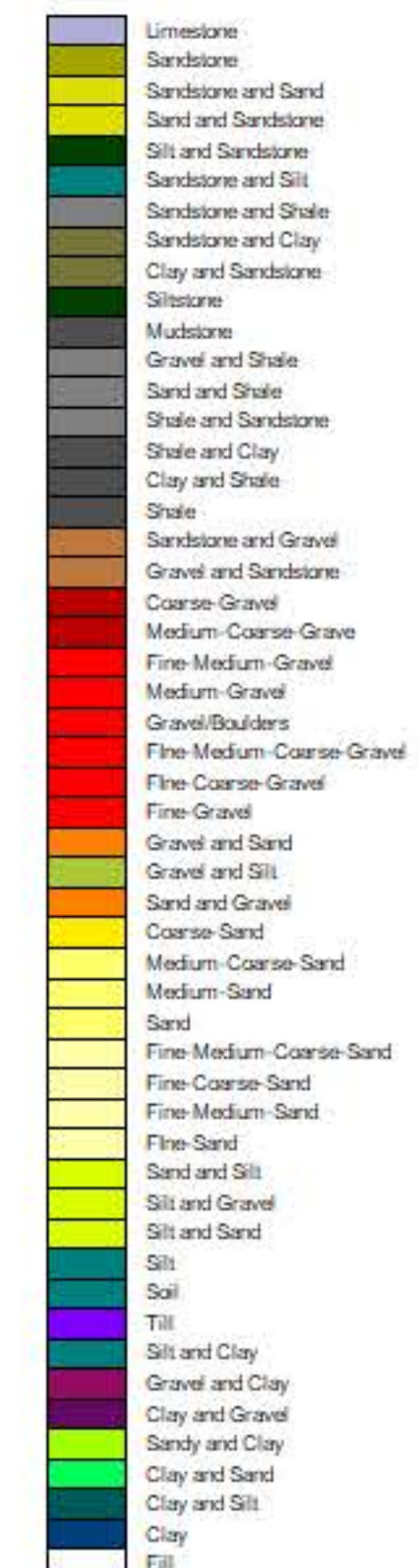
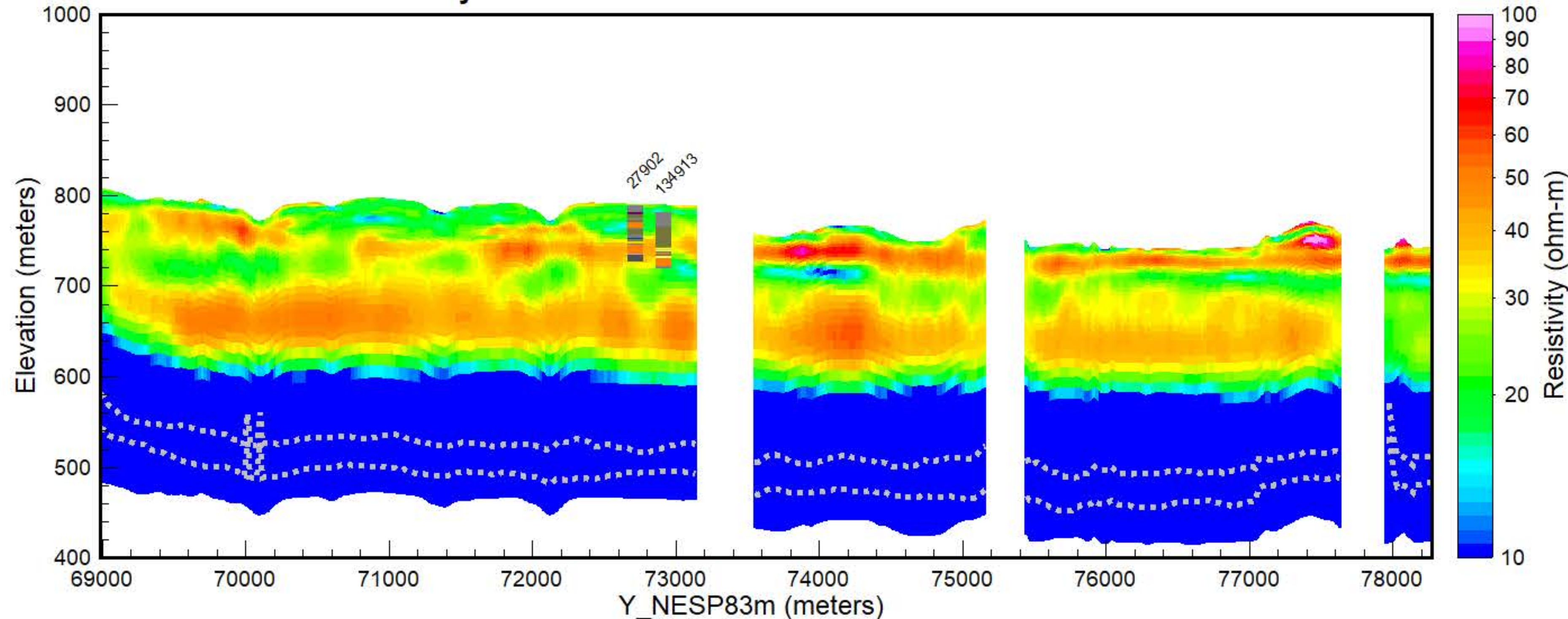




Flight Path Line L505201



AEM Inversion Resistivity Line L505201



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

The red line on the Flight Path Map (USGS 100K Topo Map) indicates the location of the data collection.

The MRNRD AEM Survey Area map displays the total survey lines as black lines with the current flight line highlighted in red on a general map of the area. The blue dots represent the Conservation Survey Division (CSD) test holes public website downloaded on June 19, 2022 and the orange dots represent the Nebraska Department of Natural Resources (NE-DNR) Registered well database downloaded June 23, 2022.

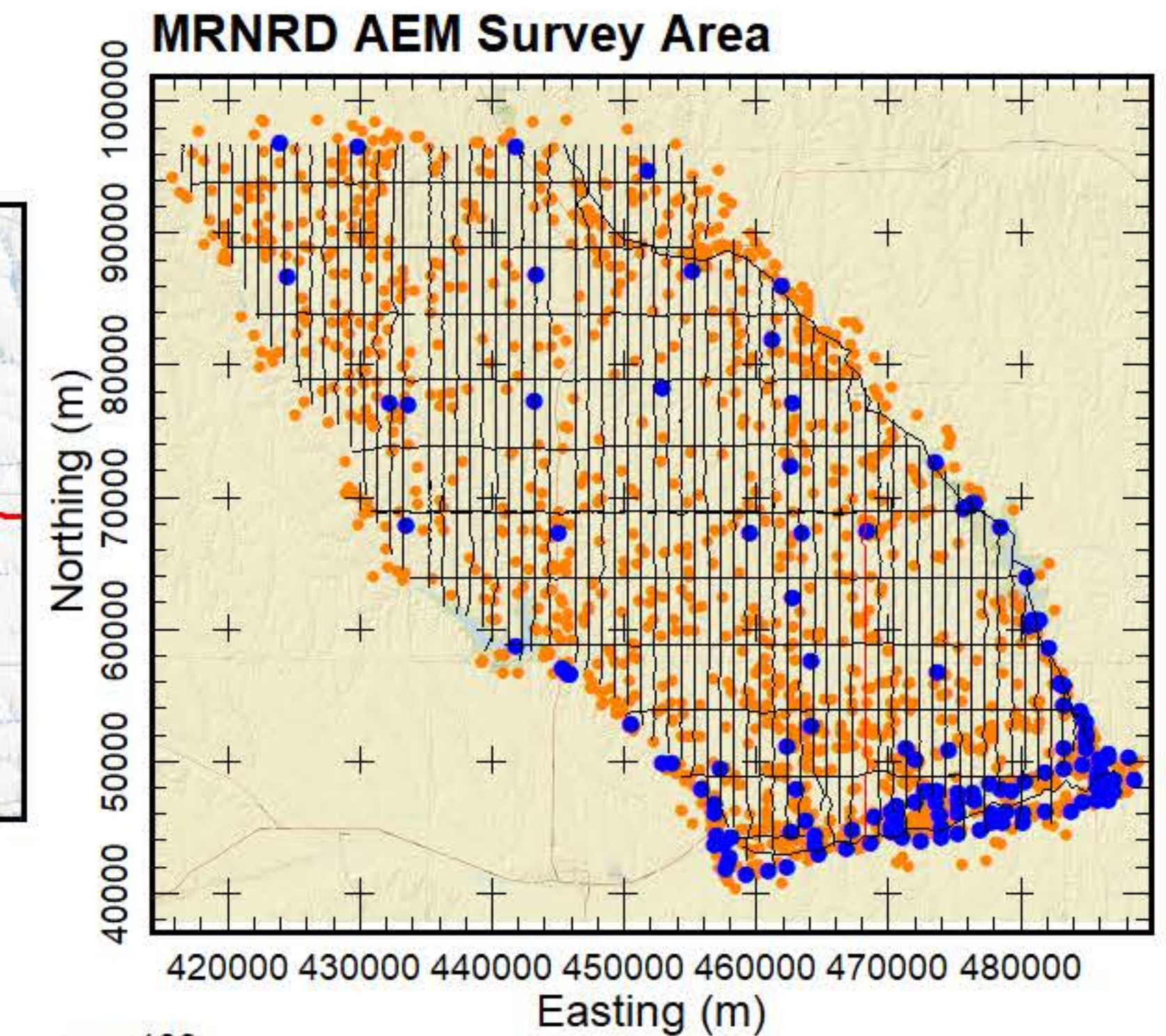
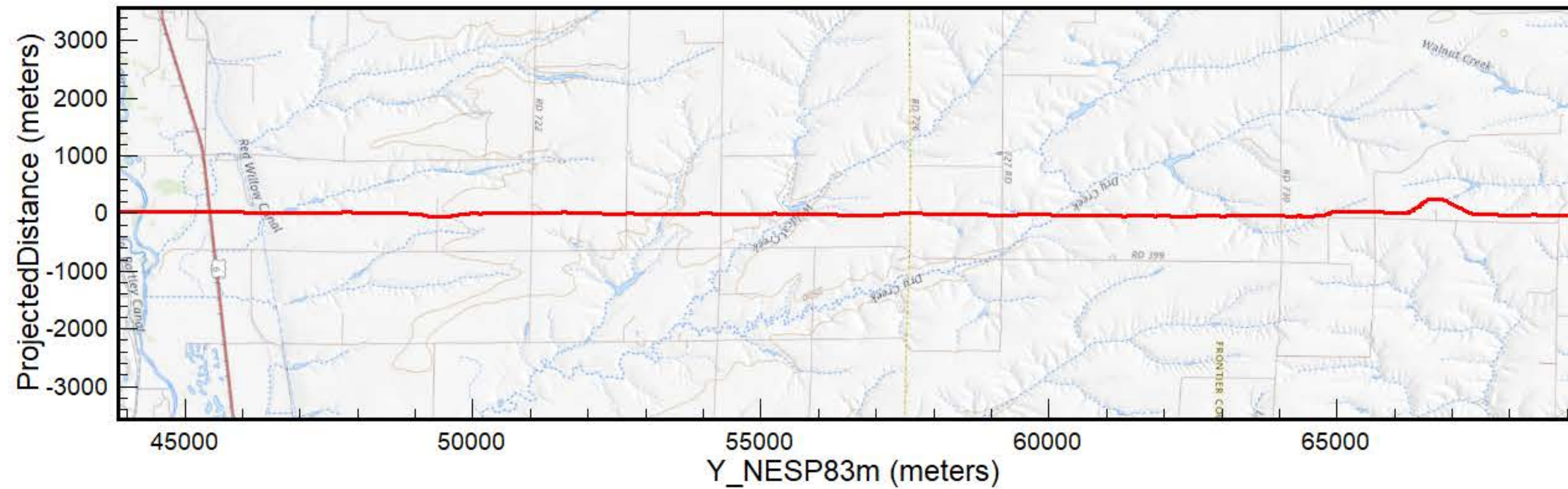
The AEM inversions resistivity shown as profiles are Spatially-Constrained (SCI) using the Aarhus Geo Software Workbench version 6.7.0.0 and are displayed in the indicated electrical resistivity color scale. Boreholes CSD and NE-DNR displayed on the AEM inversion profile are within 500 meters of the flight line. Lithology is indicated by the legend. Gray-dashed lines when visible on the AEM inversions profile indicate the estimated depth of investigation (DOI). White gaps in the AEM inversion profile indicate gaps in data coverage due to electromagnetic coupling or areas that were not flown due to infrastructure.

Prepared for the MRNRD by Aqua Geo Frameworks, LLC.

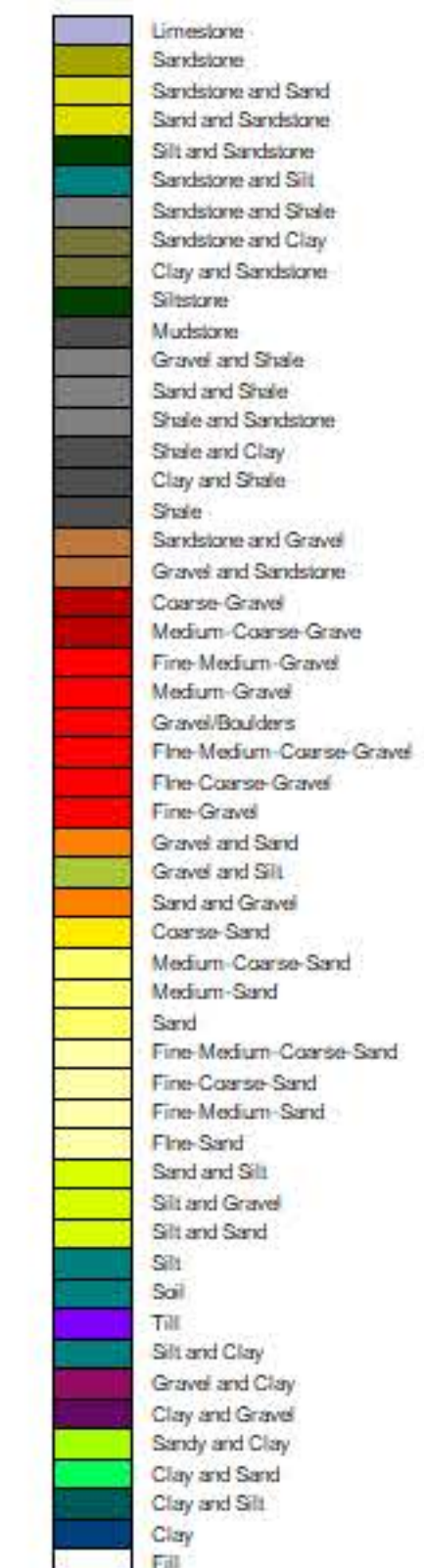
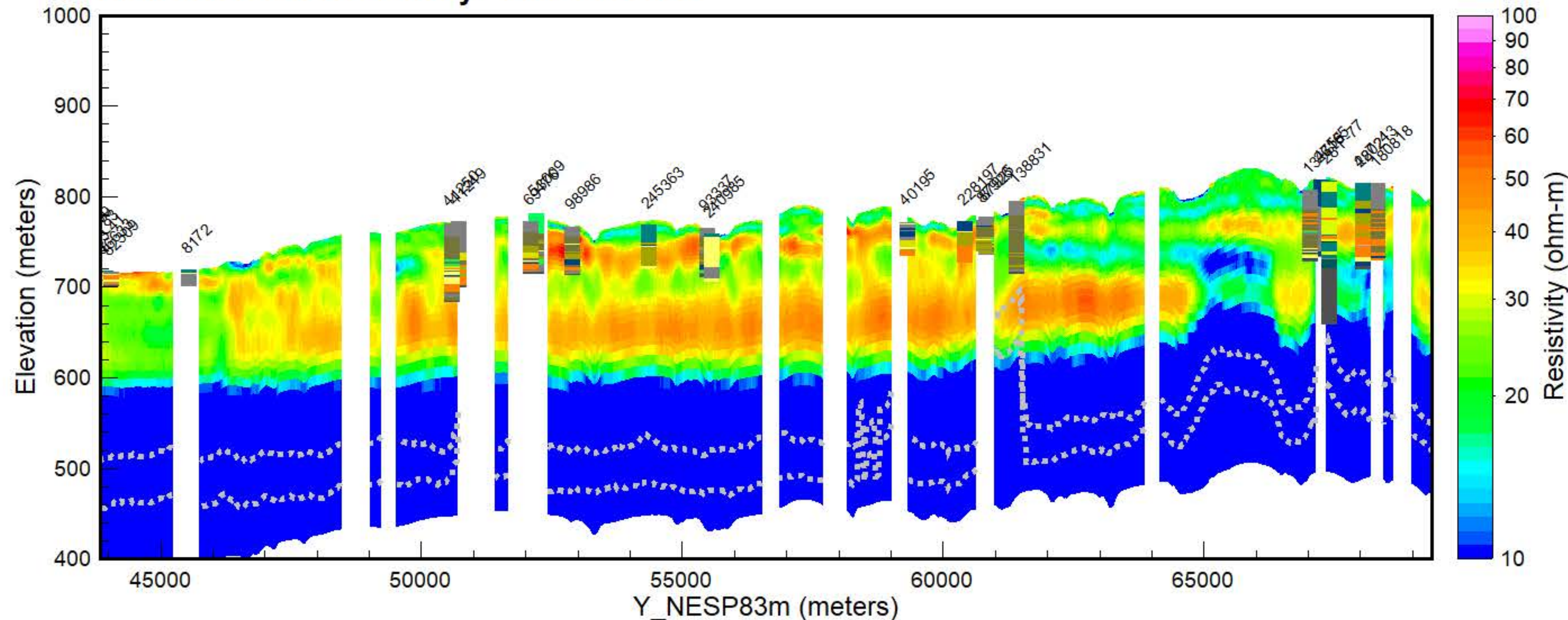




Flight Path Line L505202



AEM Inversion Resistivity Line L505202



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

The red line on the Flight Path Map (USGS 100K Topo Map) indicates the location of the data collection.

The MRNRD AEM Survey Area map displays the total survey lines as black lines with the current flight line highlighted in red on a general map of the area. The blue dots represent the Conservation Survey Division (CSD) test holes public website downloaded on June 19, 2022 and the orange dots represent the Nebraska Department of Natural Resources (NE-DNR) Registered well database downloaded June 23, 2022.

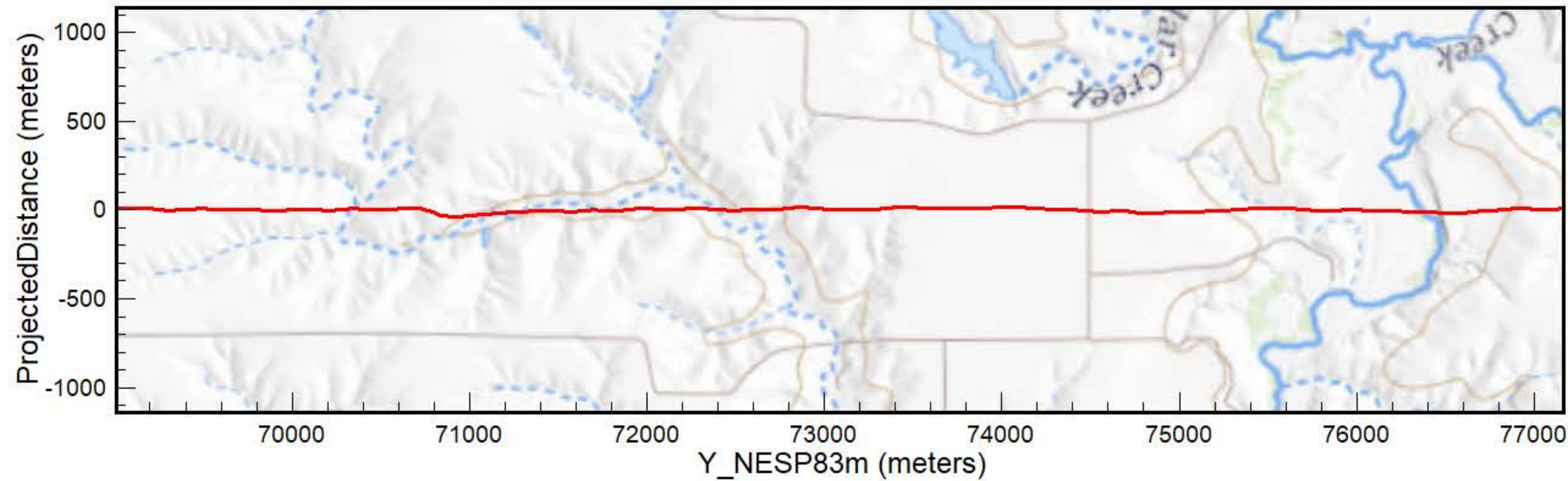
The AEM inversions resistivity shown as profiles are Spatially-Constrained (SCI) using the Aarhus Geo Software Workbench version 6.7.0.0 and are displayed in the indicated electrical resistivity color scale. Boreholes CSD and NE-DNR displayed on the AEM inversion profile are within 500 meters of the flight line. Lithology is indicated by the legend. Gray-dashed lines when visible on the AEM inversions profile indicate the estimated depth of investigation (DOI). White gaps in the AEM inversion profile indicate gaps in data coverage due to electromagnetic coupling or areas that were not flown due to infrastructure.

Prepared for the MRNRD by Aqua Geo Frameworks, LLC.

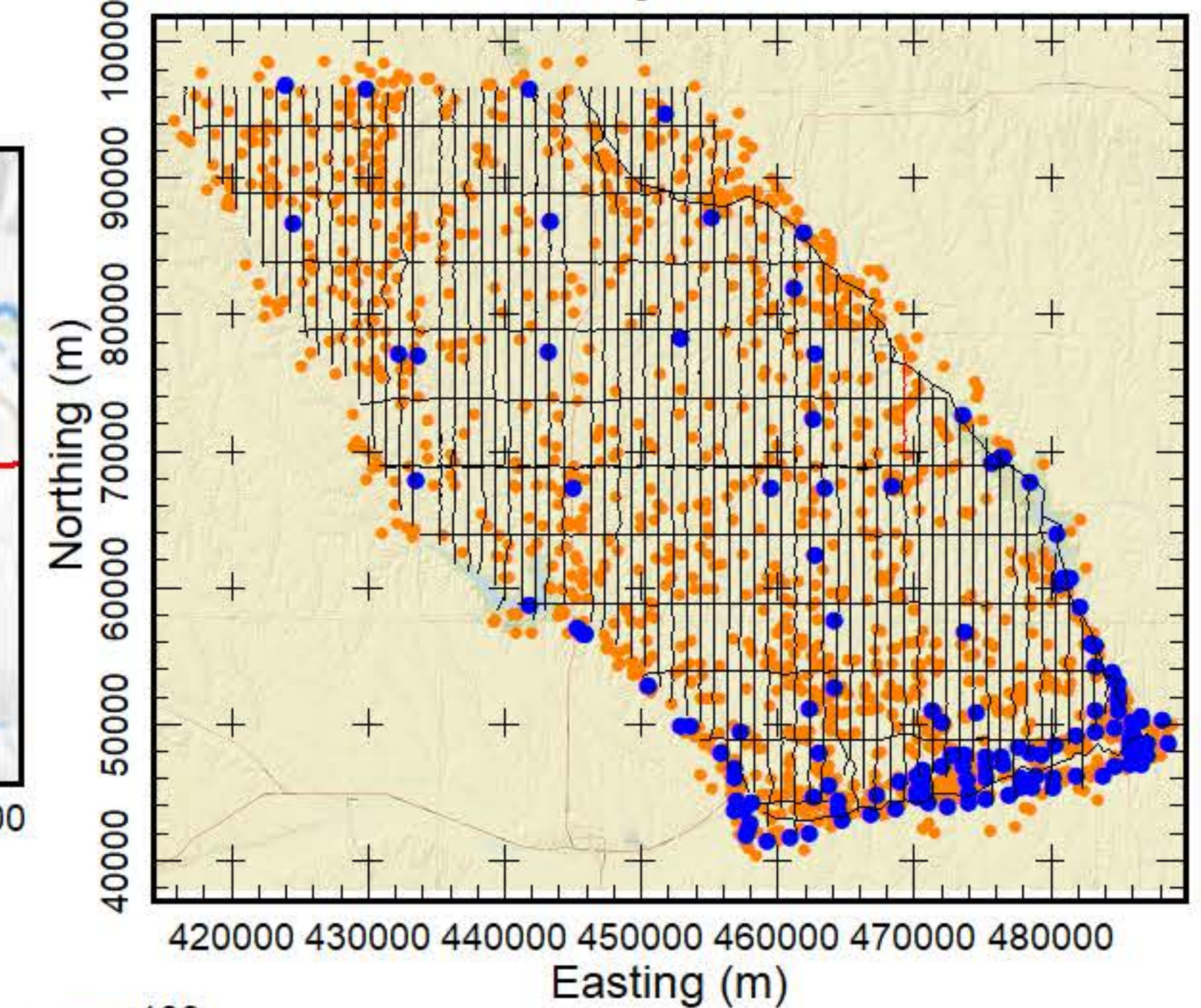




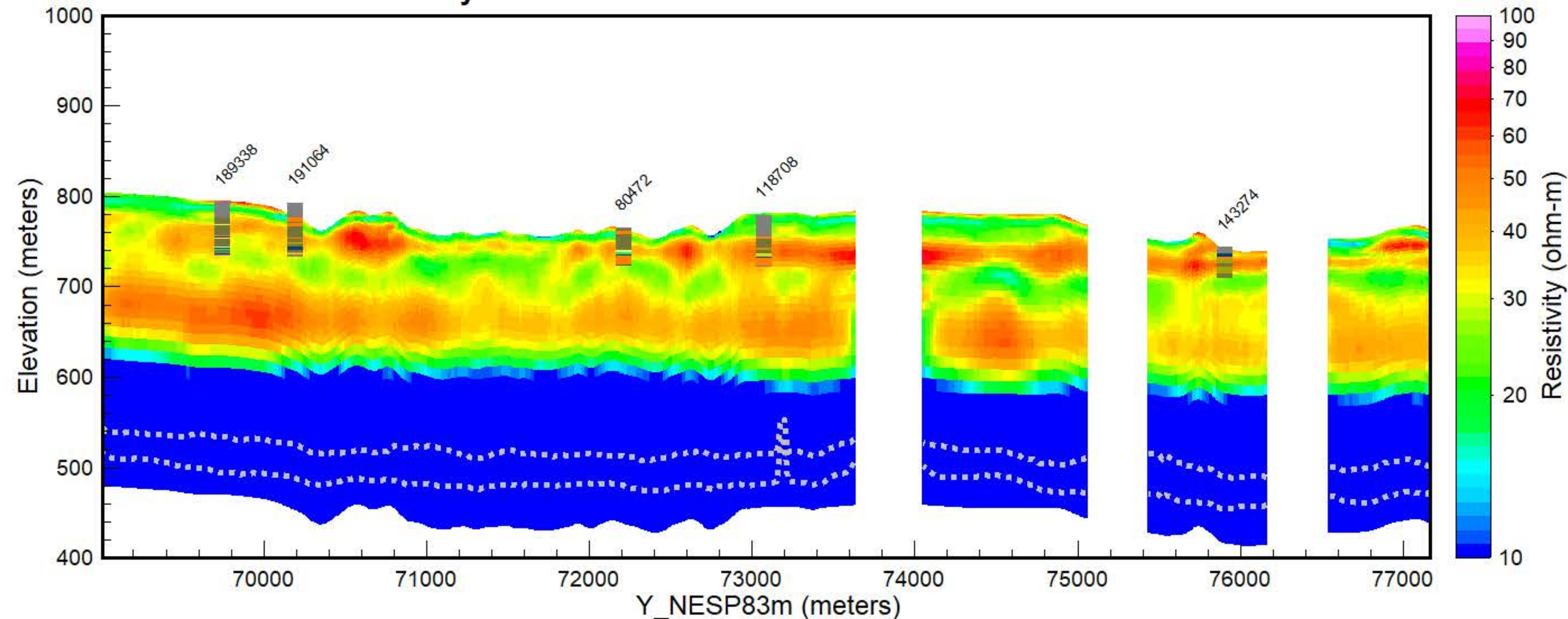
Flight Path Line L505301



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L505301



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

The red line on the Flight Path Map (USGS 100K Topo Map) indicates the location of the data collection.

The MRNRD AEM Survey Area map displays the total survey lines as black lines with the current flight line highlighted in red on a general map of the area. The blue dots represent the Conservation Survey Division (CSD) test holes public website downloaded on June 19, 2022 and the orange dots represent the Nebraska Department of Natural Resources (NE-DNR) Registered well database downloaded June 23, 2022.

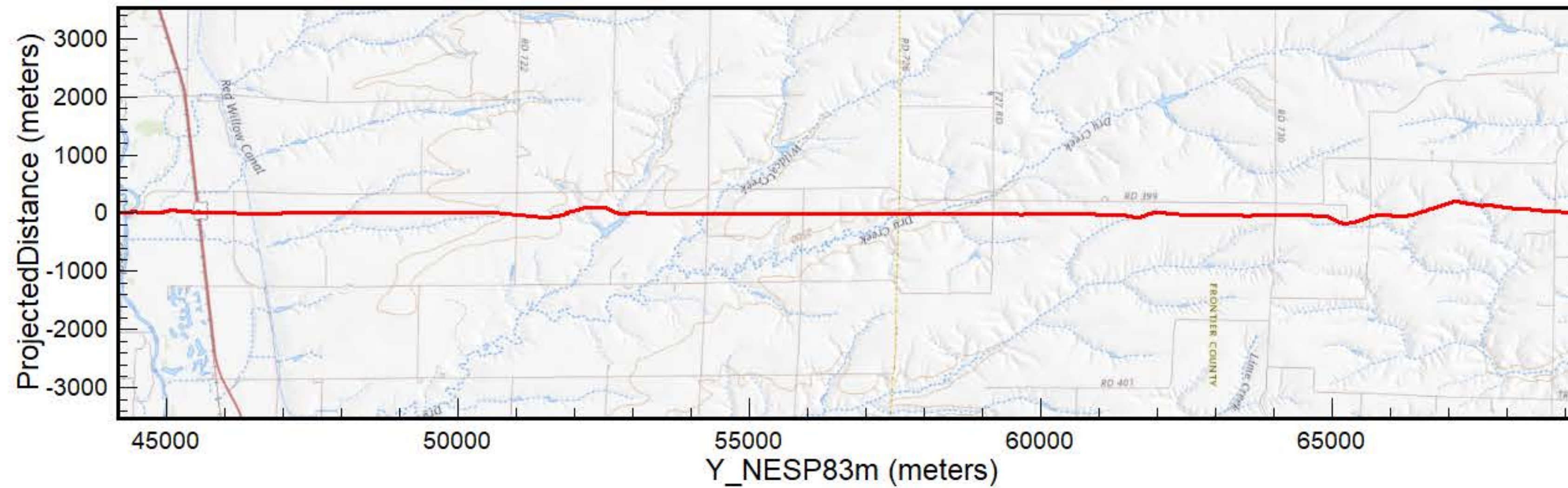
The AEM inversions resistivity shown as profiles are Spatially-Constrained (SCI) using the Aarhus Geo Software Workbench version 6.7.0.0 and are displayed in the indicated electrical resistivity color scale. Boreholes CSD and NE-DNR displayed on the AEM inversion profile are within 500 meters of the flight line. Lithology is indicated by the legend. Gray-dashed lines when visible on the AEM inversions profile indicate the estimated depth of investigation (DOI). White gaps in the AEM inversion profile indicate gaps in data coverage due to electromagnetic coupling or areas that were not flown due to infrastructure.

Prepared for the MRNRD by Aqua Geo Frameworks, LLC.

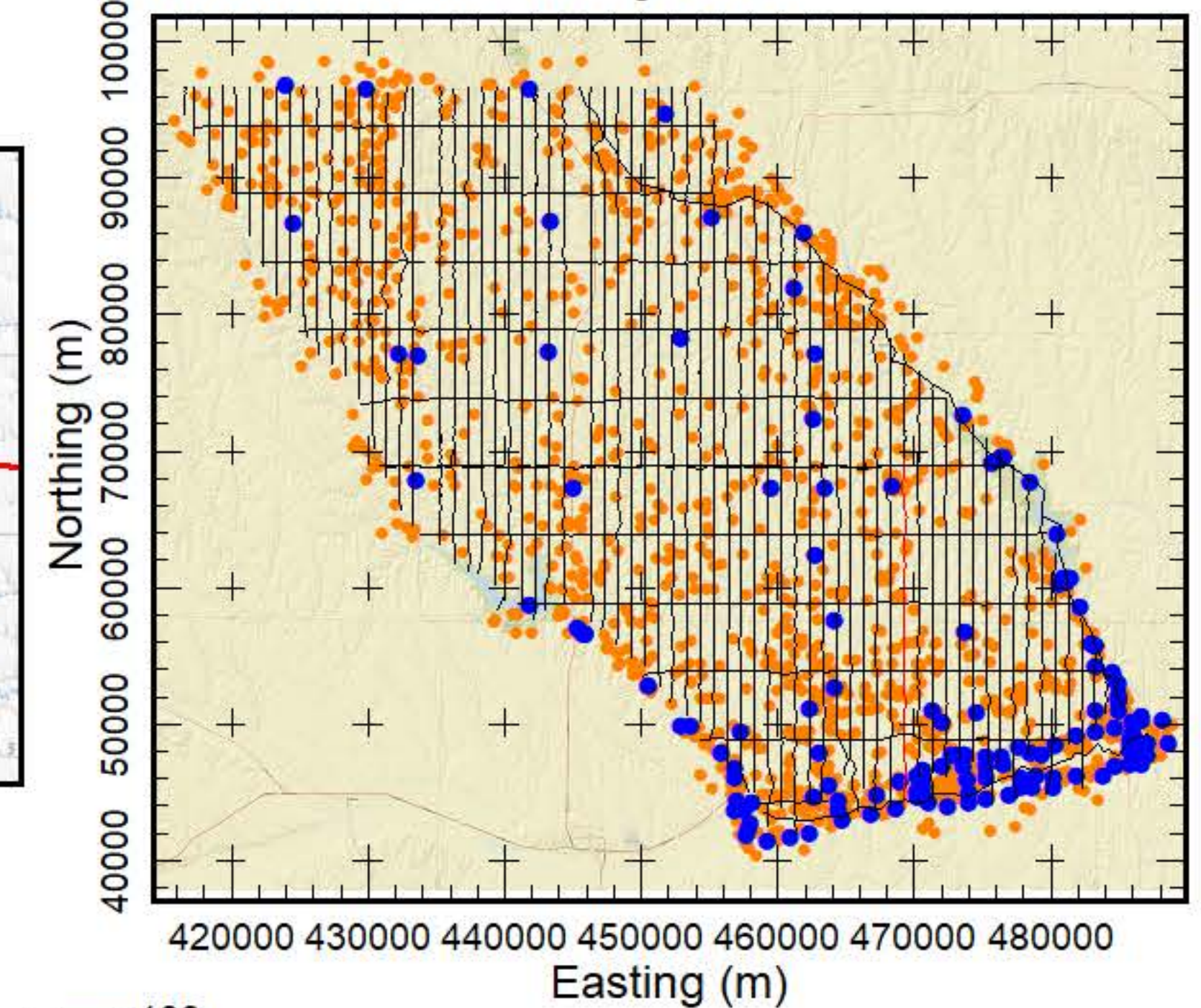




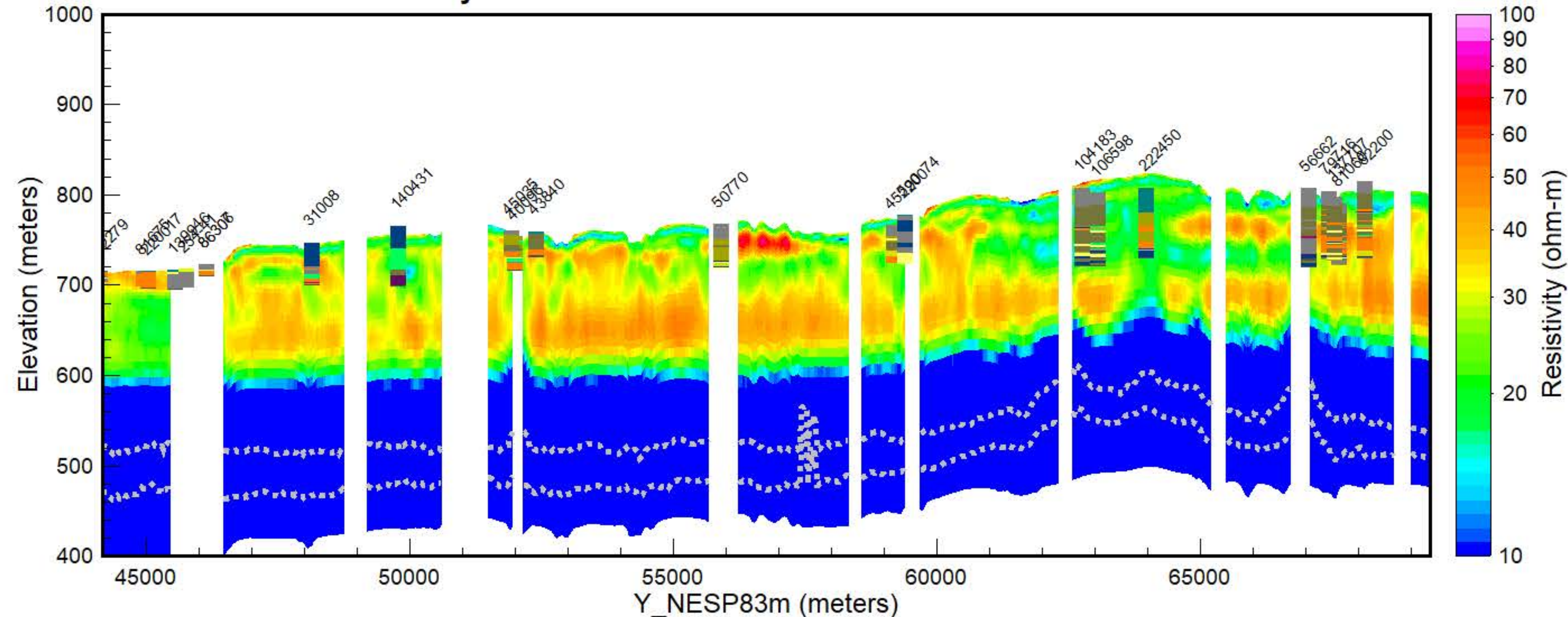
Flight Path Line L505302



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L505302



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

The red line on the Flight Path Map (USGS 100K Topo Map) indicates the location of the data collection.

The MRNRD AEM Survey Area map displays the total survey lines as black lines with the current flight line highlighted in red on a general map of the area. The blue dots represent the Conservation Survey Division (CSD) test holes public website downloaded on June 19, 2022 and the orange dots represent the Nebraska Department of Natural Resources (NE-DNR) Registered well database downloaded June 23, 2022.

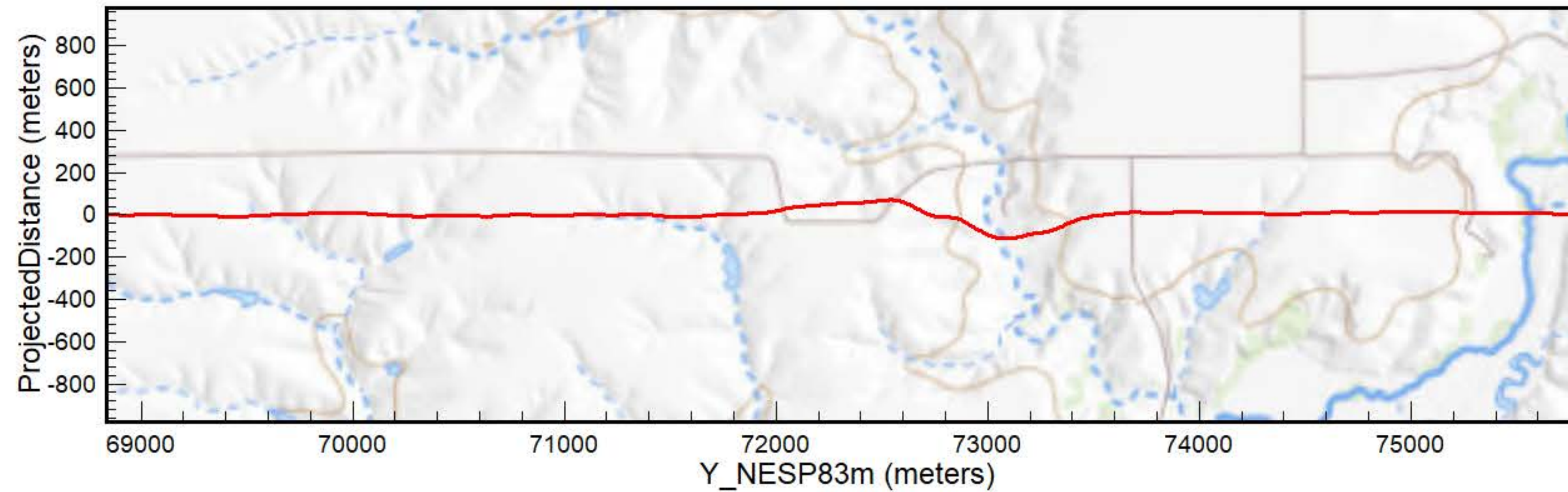
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Prepared for the MRNRD by Aqua Geo Frameworks, LLC.

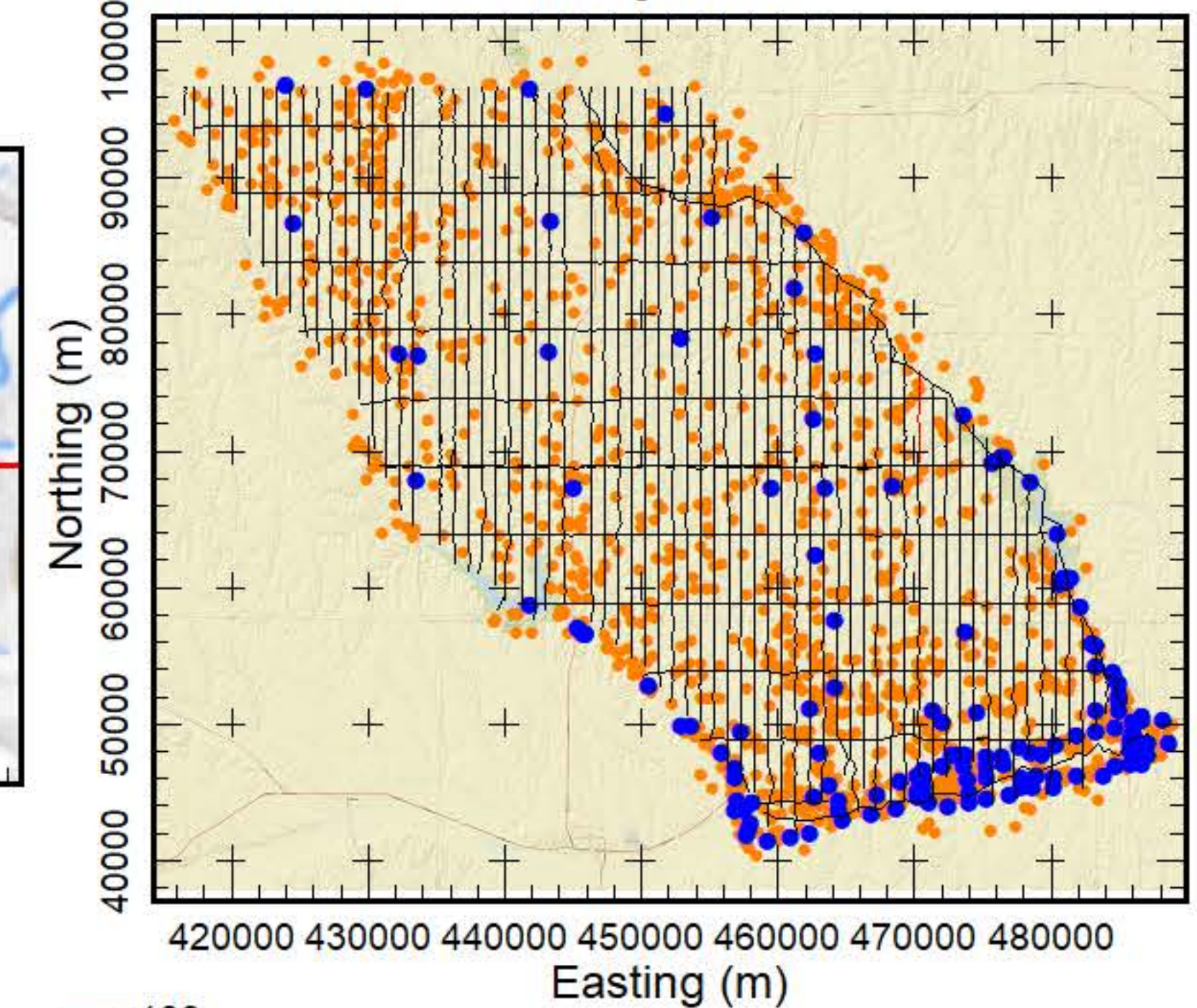




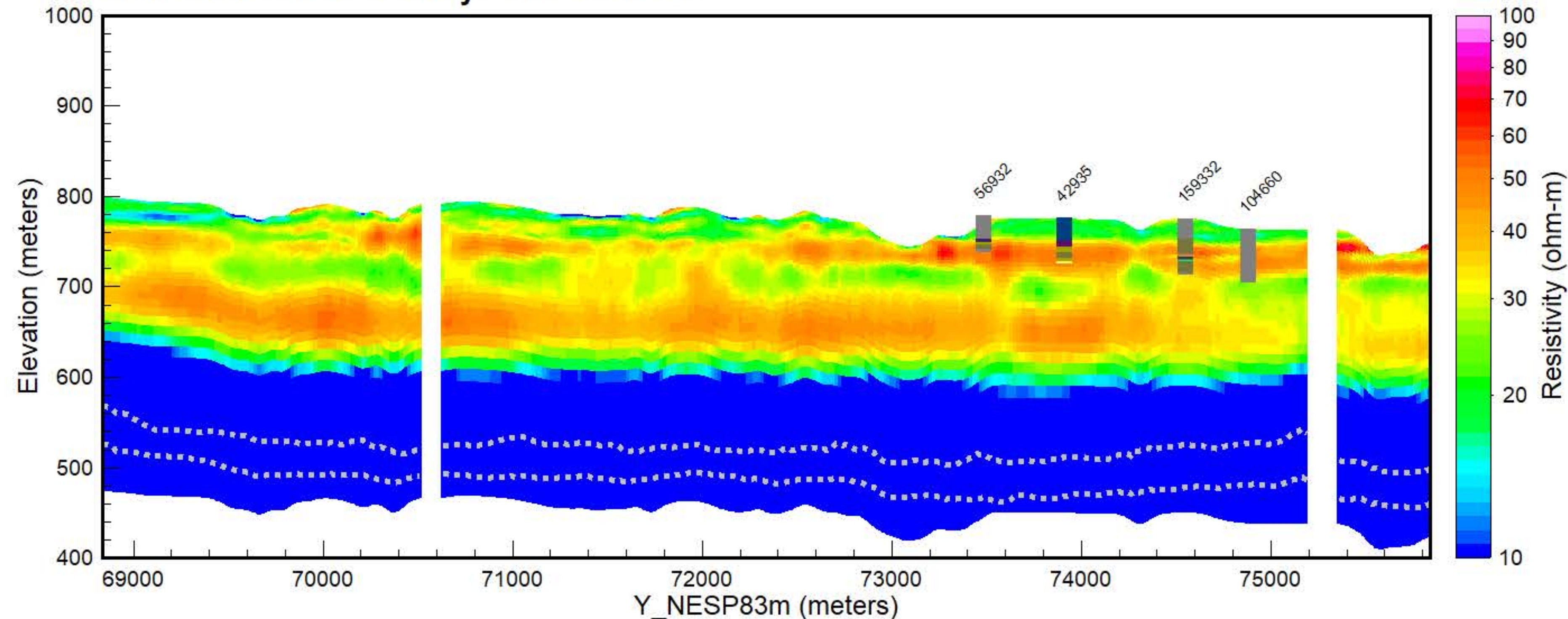
Flight Path Line L505401



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L505401



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

The red line on the Flight Path Map (USGS 100K Topo Map) indicates the location of the data collection.

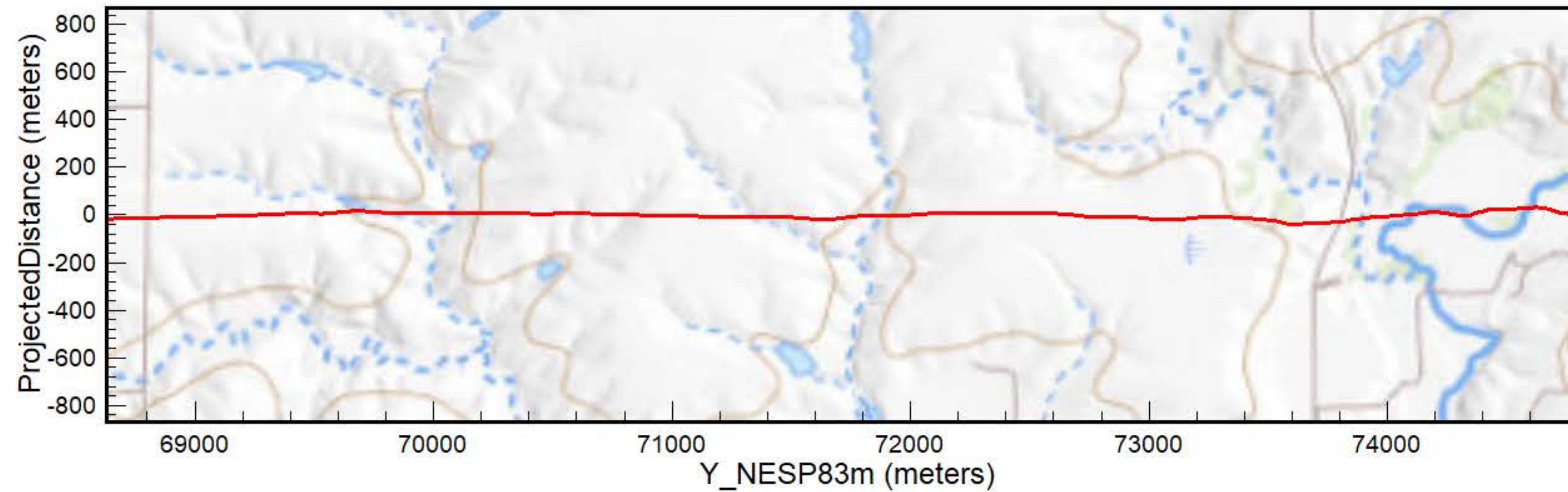
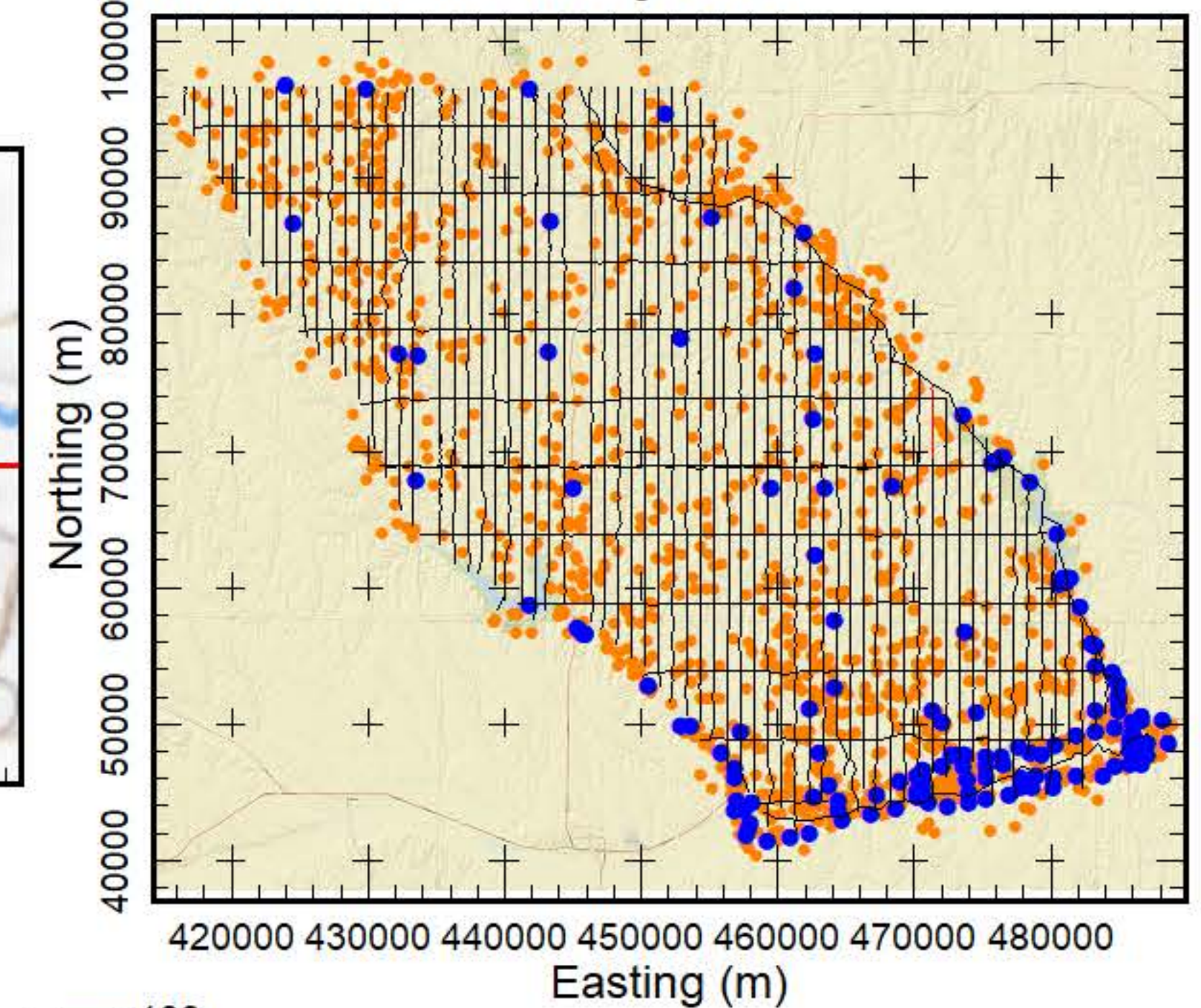
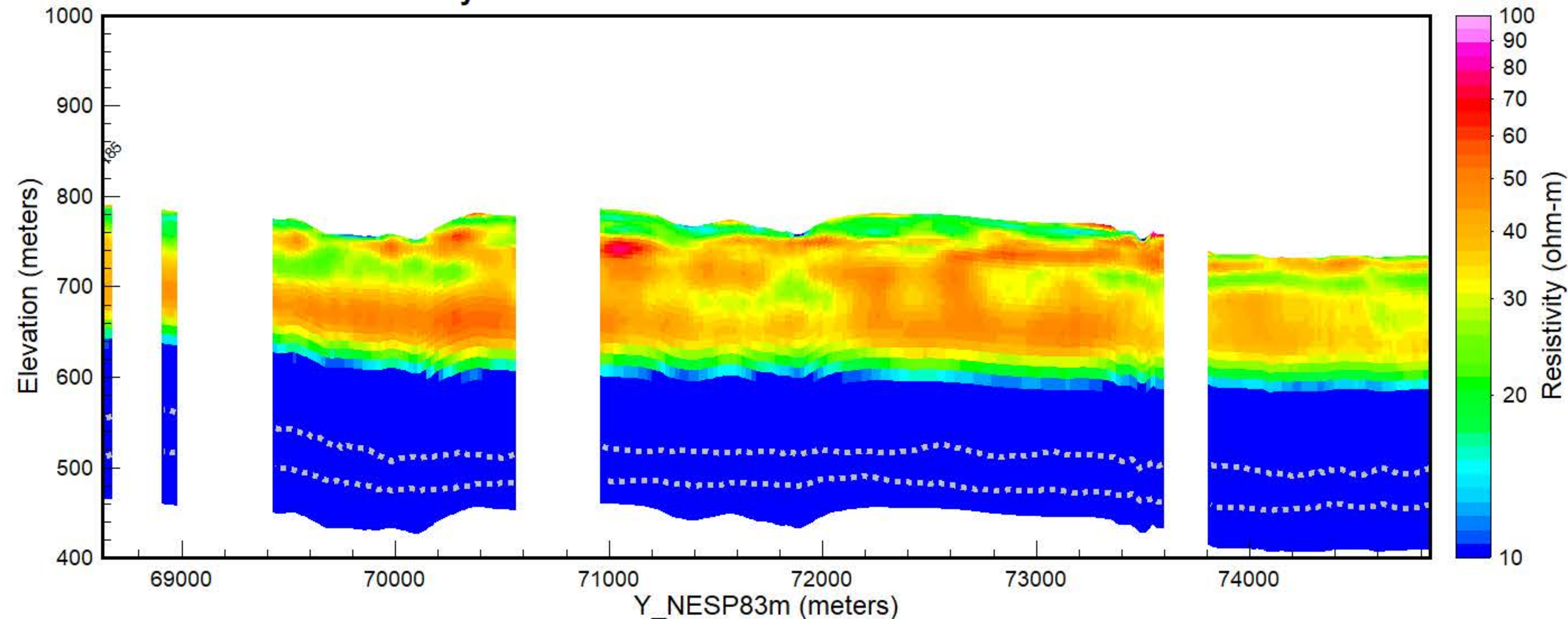
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Prepared for the MRNRD by Aqua Geo Frameworks, LLC.



	Limestone
	Sandstone
	Sandstone and Sand
	Sand and Sandstone
	Silt and Sandstone
	Sandstone and Silt
	Sandstone and Shale
	Sandstone and Clay
	Clay and Sandstone
	Siltstone
	Mudstone
	Gravel and Shale
	Sand and Shale
	Shale and Sandstone
	Shale and Clay
	Clay and Shale
	Shale
	Sandstone and Gravel
	Gravel and Sandstone
	Coarse Gravel
	Medium-Coarse-Gravel
	Fine-Medium-Gravel
	Medium-Gravel
	Gravel/Boulders
	Fine-Medium-Coarse-Gravel
	Fine-Coarse-Gravel
	Fine-Gravel
	Gravel and Sand
	Gravel and Silt
	Sand and Gravel
	Coarse-Sand
	Medium-Coarse-Sand
	Medium-Sand
	Fine-Medium-Coarse-Sand
	Fine-Coarse-Sand
	Fine-Medium-Sand
	Fine-Sand
	Sand and Silt
	Silt and Gravel
	Silt and Sand
	Silt
	Sail
	Till
	Silt and Clay
	Gravel and Clay
	Clay and Gravel
	Sandy and Clay
	Clay and Sand
	Clay and Silt
	Clay
	Fill

Flight Path Line L505501**MRNRD AEM Survey Area****AEM Inversion Resistivity Line L505501**

Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

The red line on the Flight Path Map (USGS 100K Topo Map) indicates the location of the data collection.

The MRNRD AEM Survey Area map displays the total survey lines as black lines with the current flight line highlighted in red on a general map of the area. The blue dots represent the Conservation Survey Division (CSD) test holes public website downloaded on June 19, 2022 and the orange dots represent the Nebraska Department of Natural Resources (NE-DNR) Registered well database downloaded June 23, 2022.

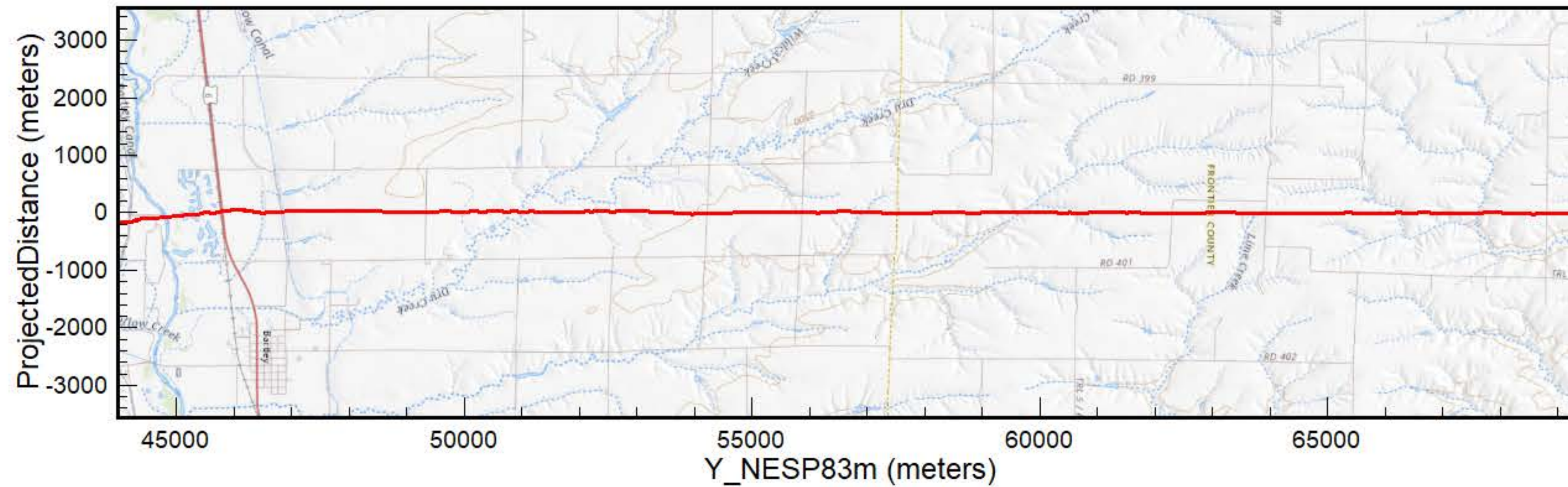
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Prepared for the MRNRD by Aqua Geo Frameworks, LLC.

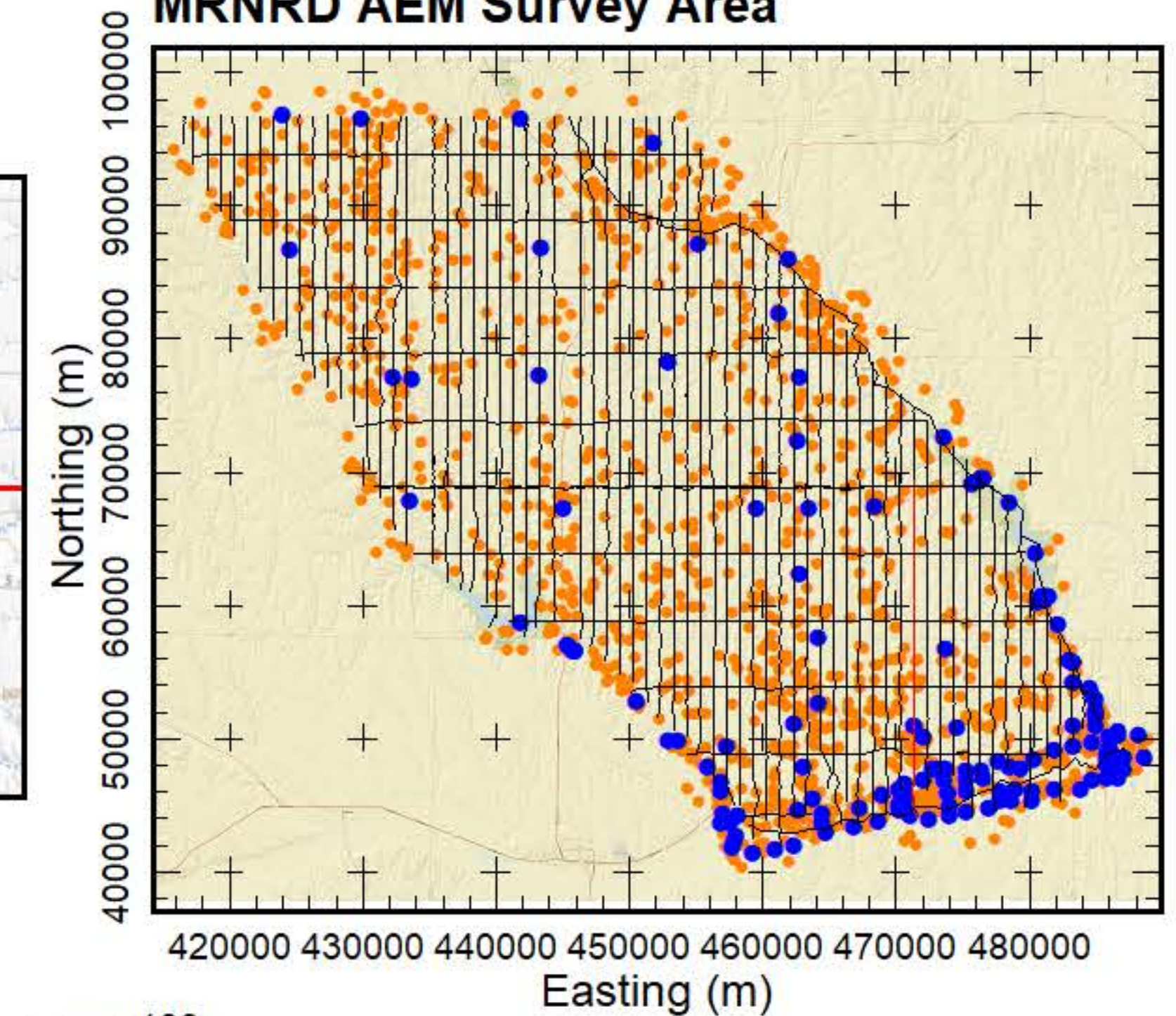


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CONSERVATION AND SURVEY DIVISION

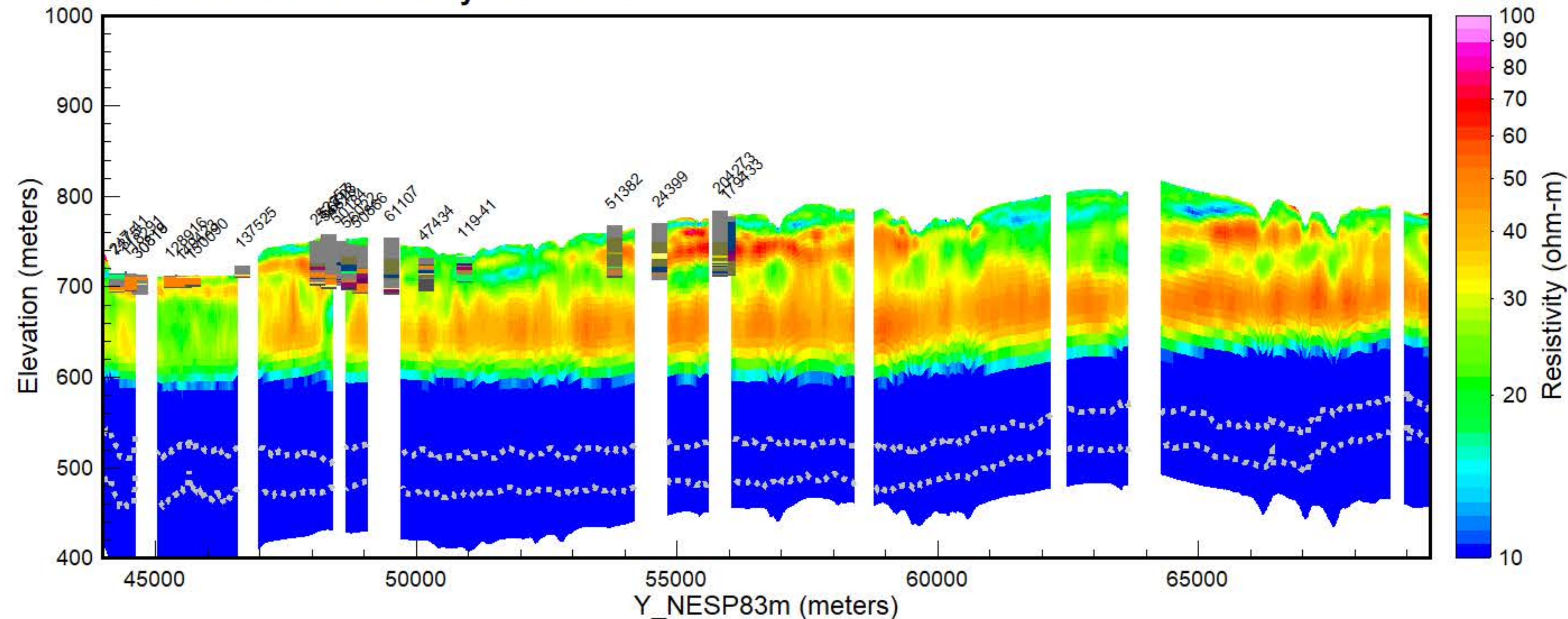
Flight Path Line L505502



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L505502



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

The red line on the Flight Path Map (USGS 100K Topo Map) indicates the location of the data collection.

The MRNRD AEM Survey Area map displays the total survey lines as black lines with the current flight line highlighted in red on a general map of the area. The blue dots represent the Conservation Survey Division (CSD) test holes public website downloaded on June 19, 2022 and the orange dots represent the Nebraska Department of Natural Resources (NE-DNR) Registered well database downloaded June 23, 2022.

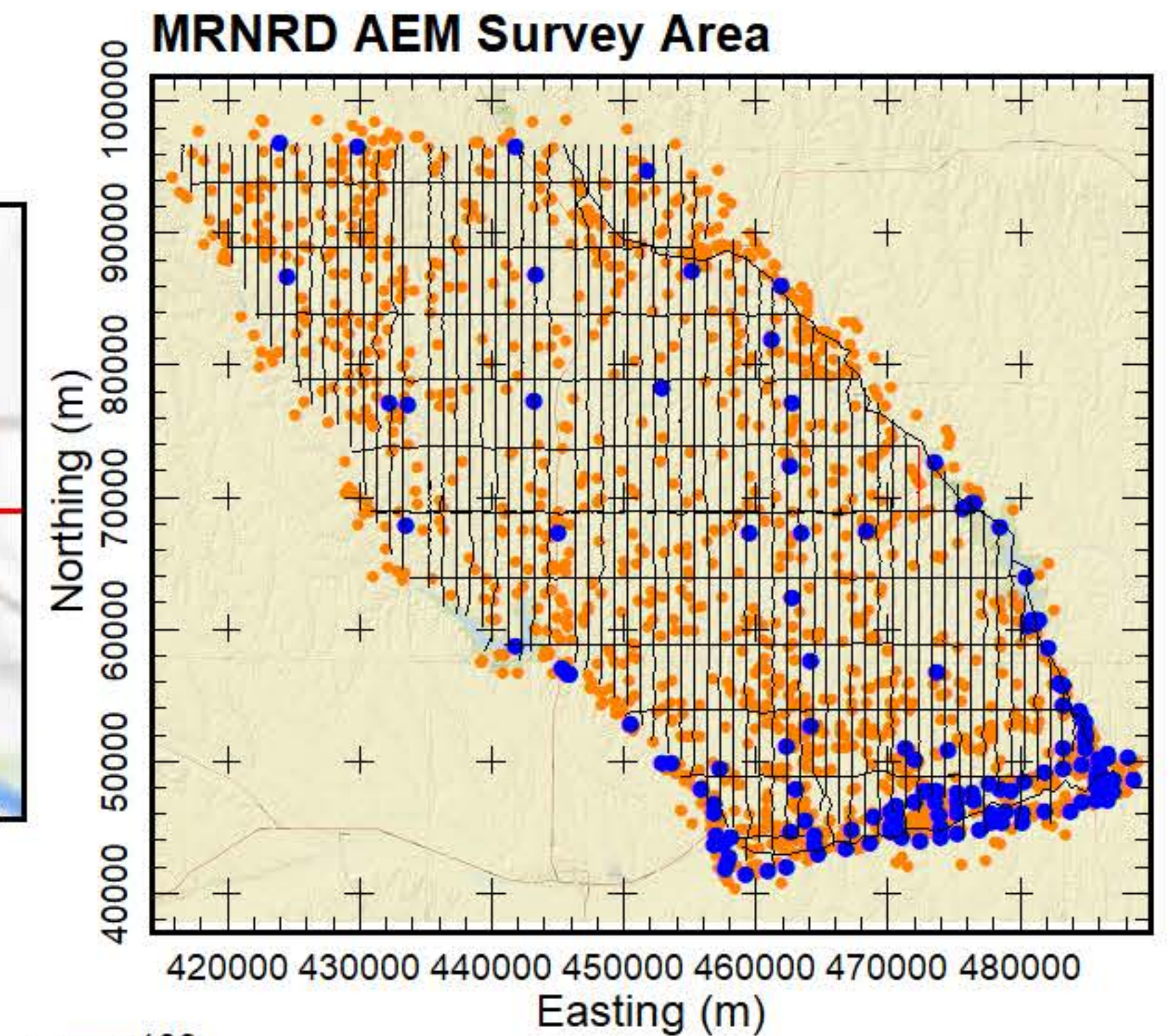
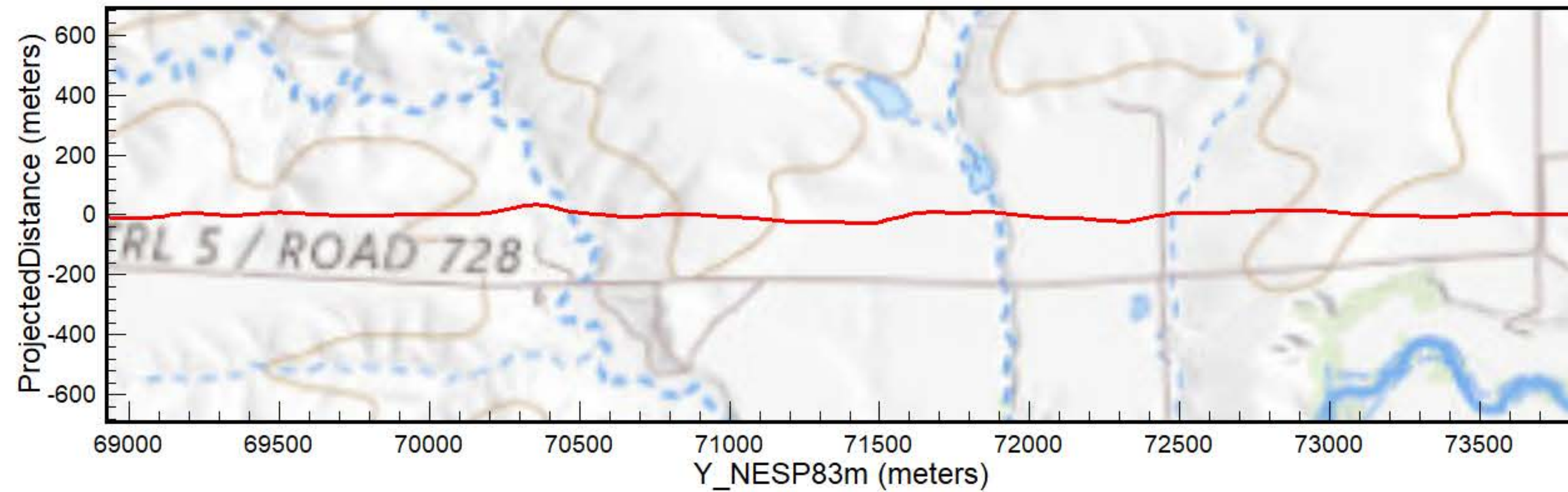
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Prepared for the MRNRD by Aqua Geo Frameworks, LLC.

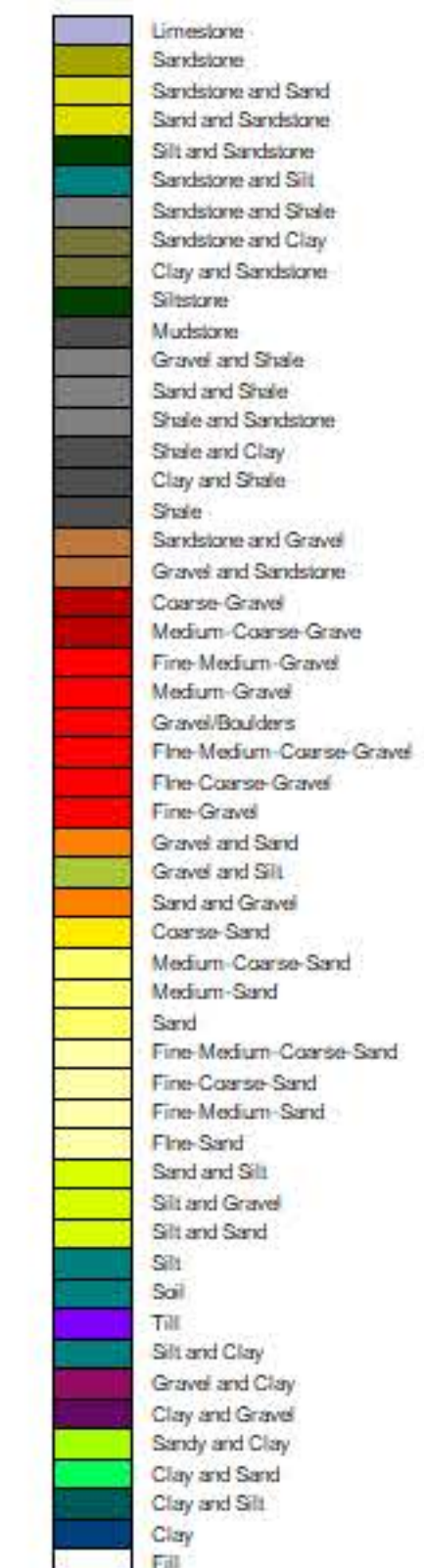
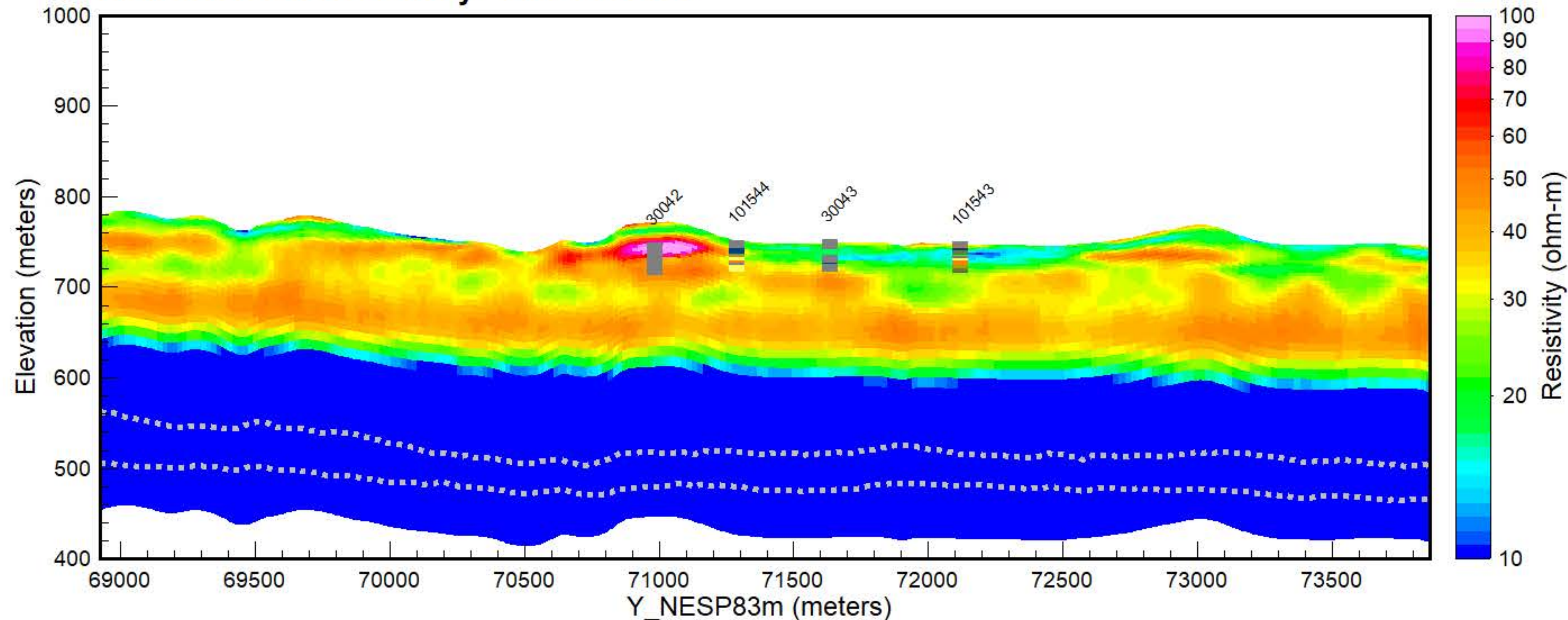




Flight Path Line L505601



AEM Inversion Resistivity Line L505601



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

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The MRNRD AEM Survey Area map displays the total survey lines as black lines with the current flight line highlighted in red on a general map of the area. The blue dots represent the Conservation Survey Division (CSD) test holes public website downloaded on June 19, 2022 and the orange dots represent the Nebraska Department of Natural Resources (NE-DNR) Registered well database downloaded June 23, 2022.

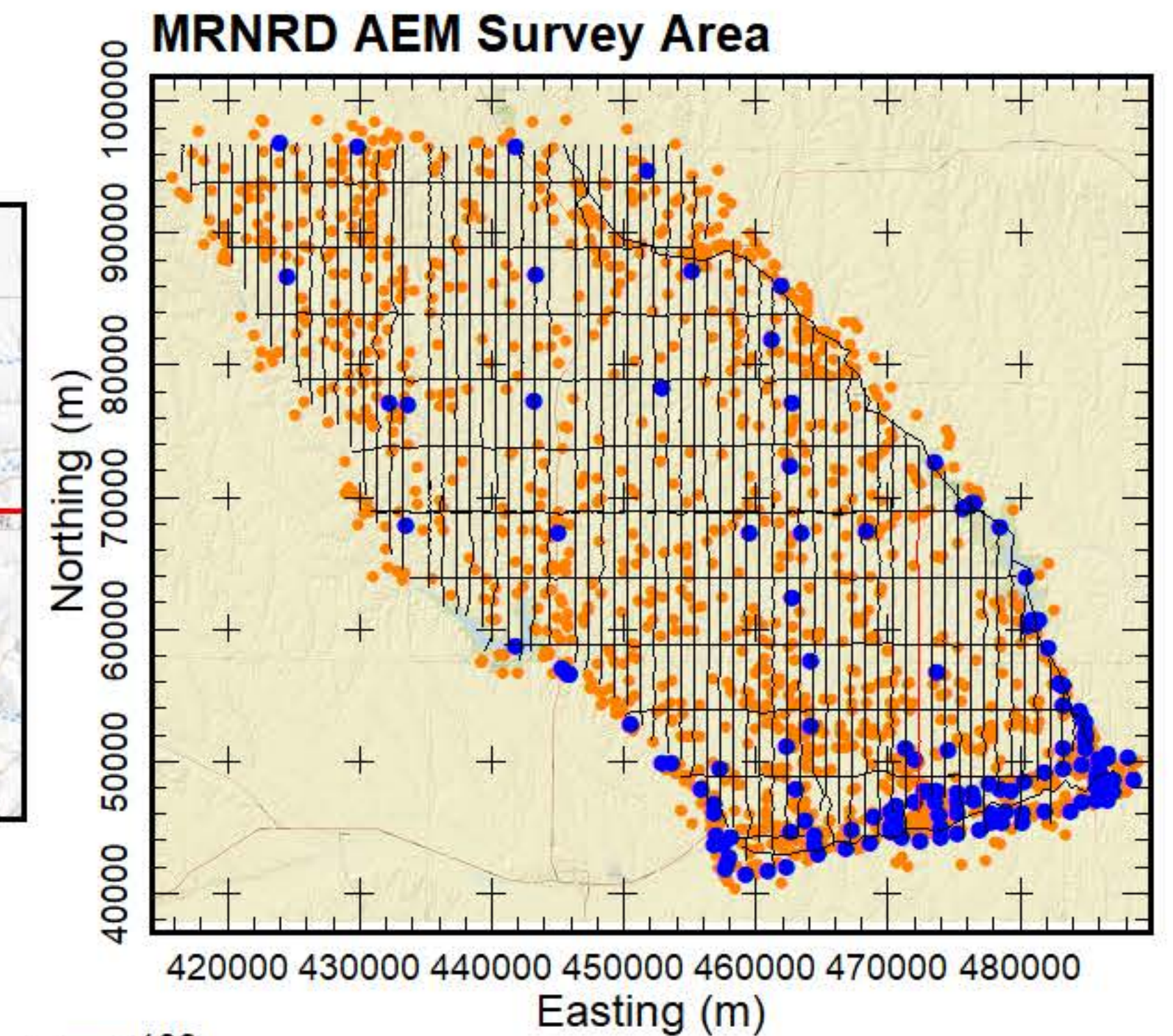
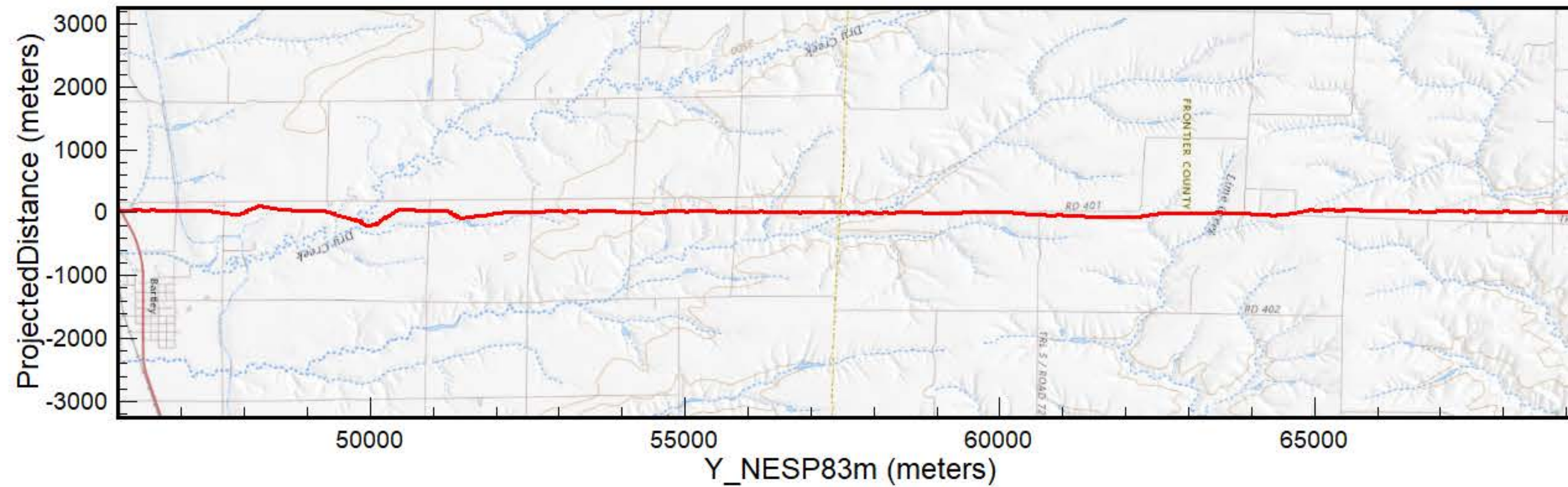
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Prepared for the MRNRD by Aqua Geo Frameworks, LLC.

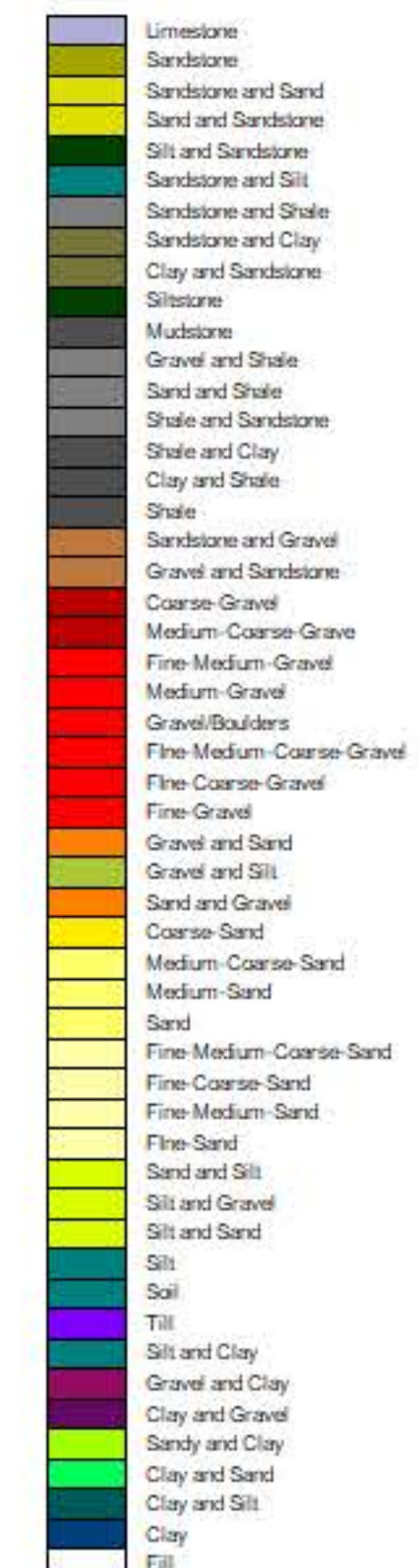
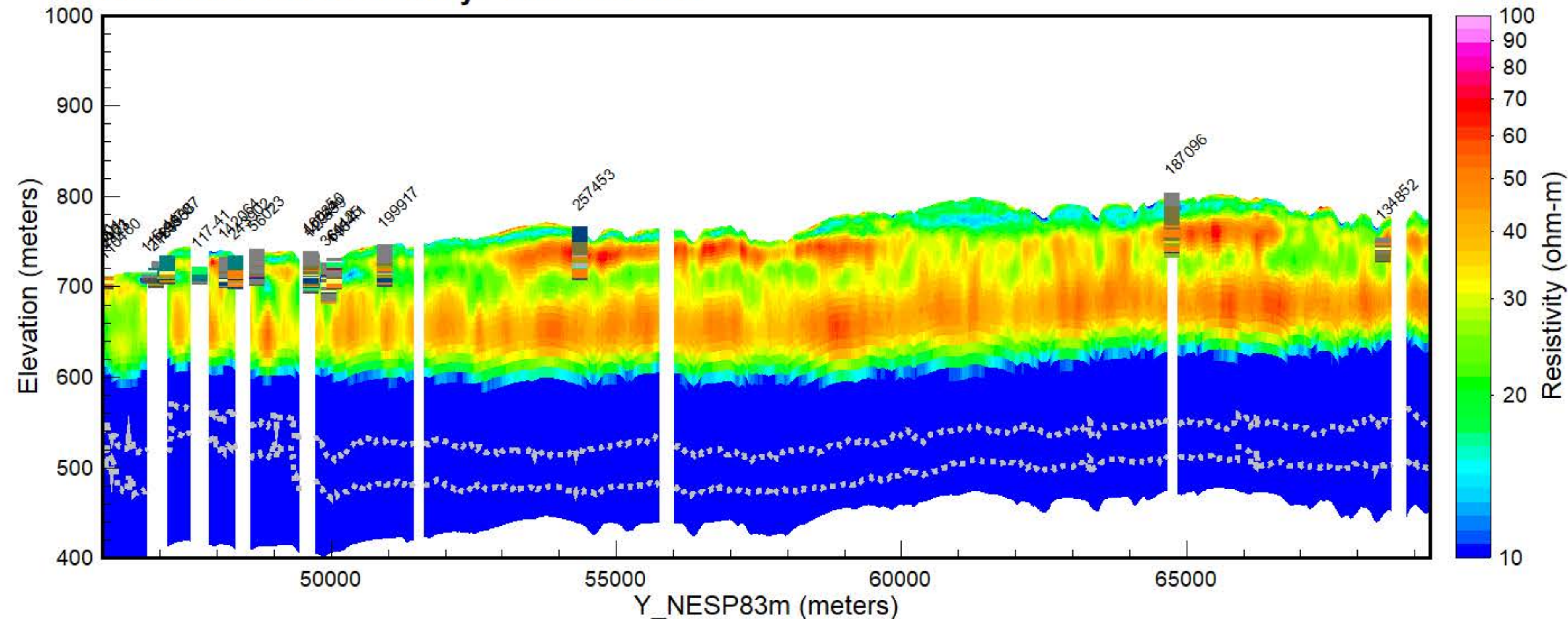




Flight Path Line L505602



AEM Inversion Resistivity Line L505602



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

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The MRNRD AEM Survey Area map displays the total survey lines as black lines with the current flight line highlighted in red on a general map of the area. The blue dots represent the Conservation Survey Division (CSD) test holes public website downloaded on June 19, 2022 and the orange dots represent the Nebraska Department of Natural Resources (NE-DNR) Registered well database downloaded June 23, 2022.

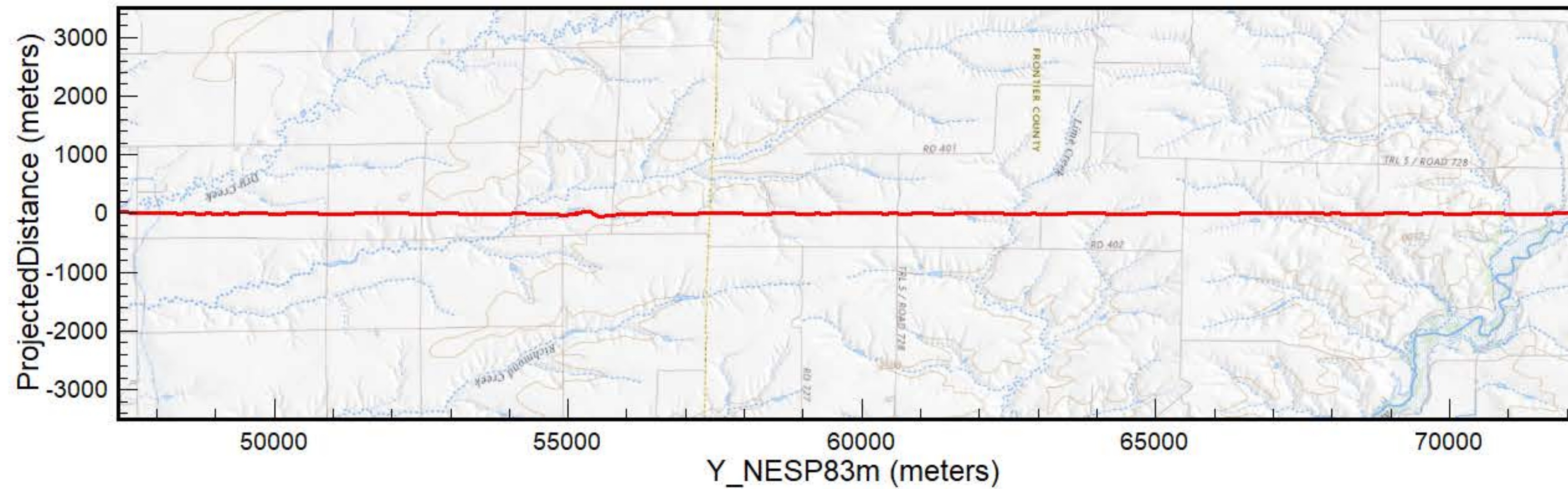
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Prepared for the MRNRD by Aqua Geo Frameworks, LLC.

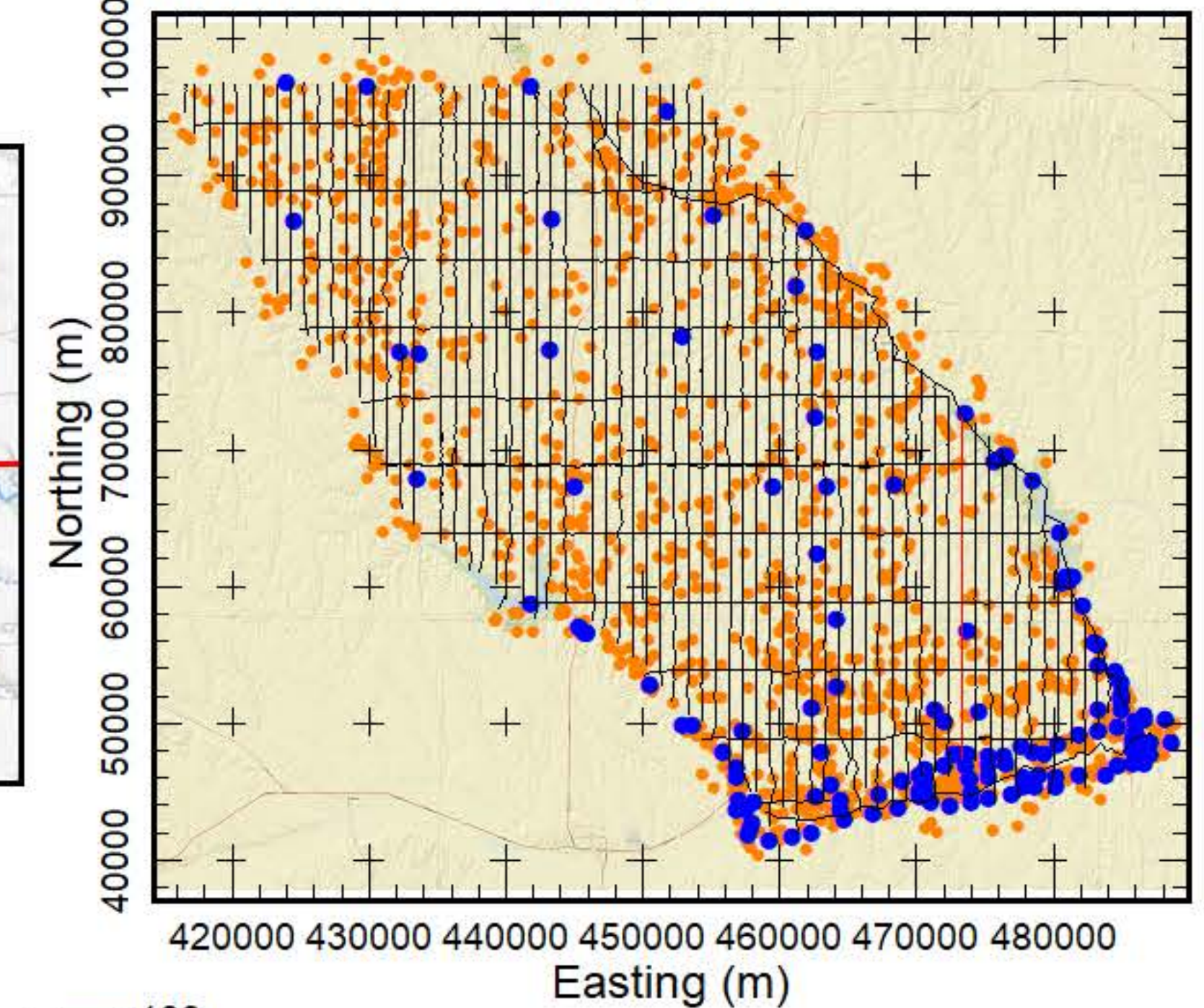




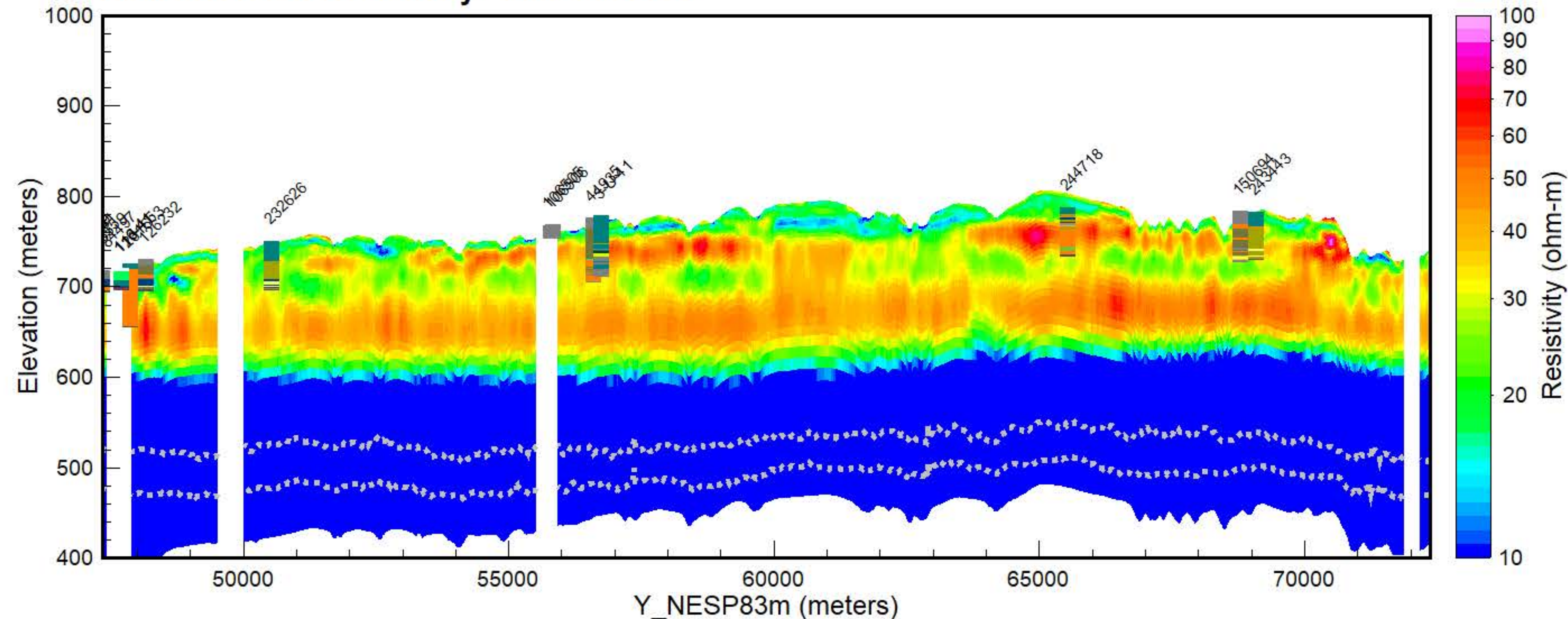
Flight Path Line L505701



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L505701



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

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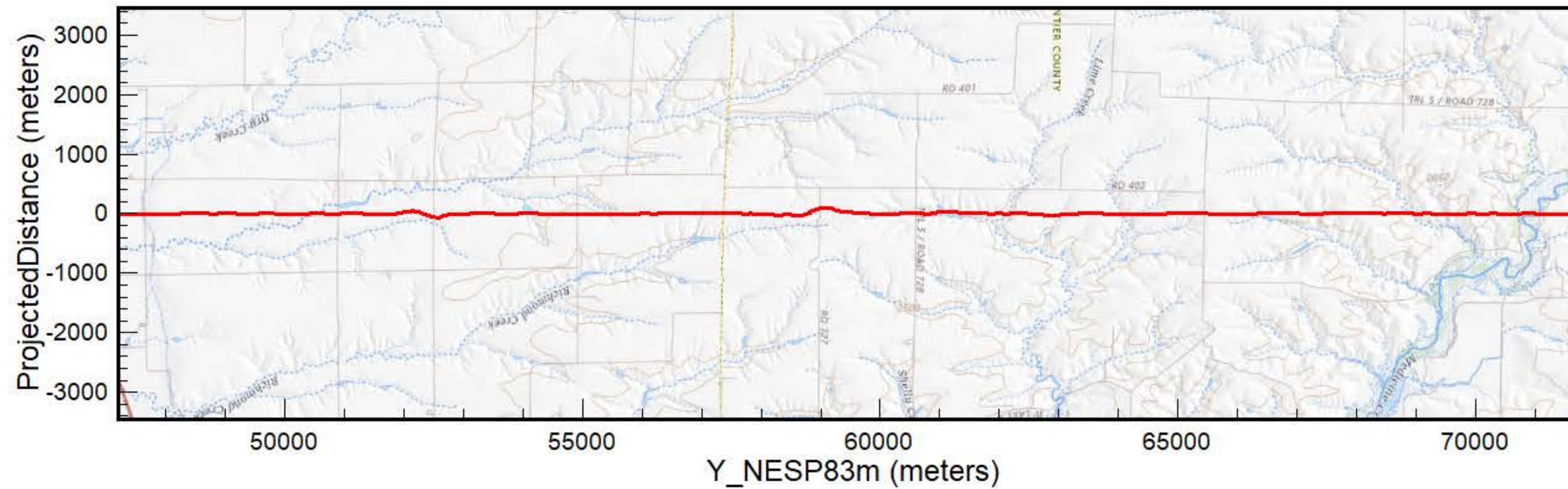
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Prepared for the MRNRD by Aqua Geo Frameworks, LLC.

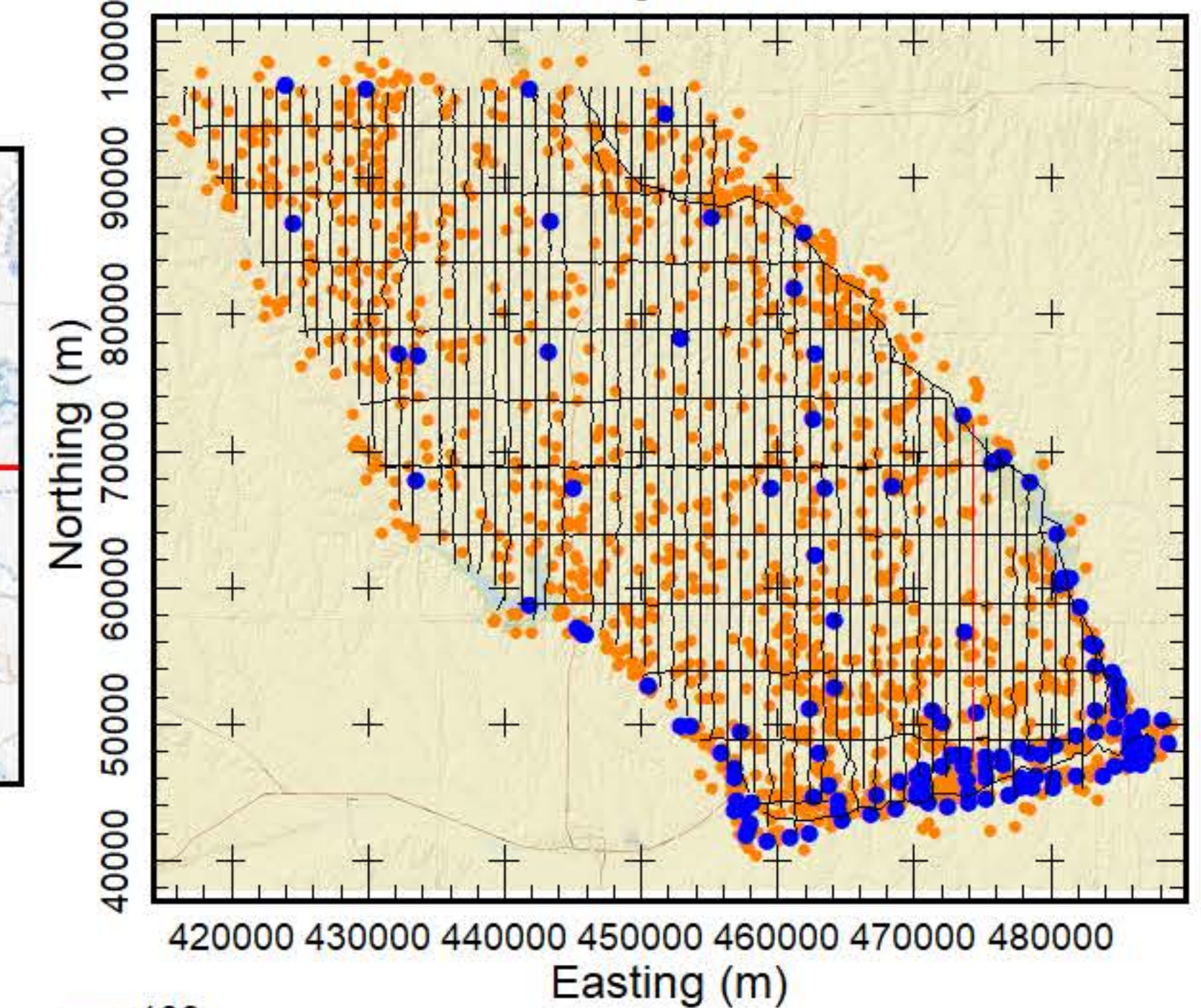




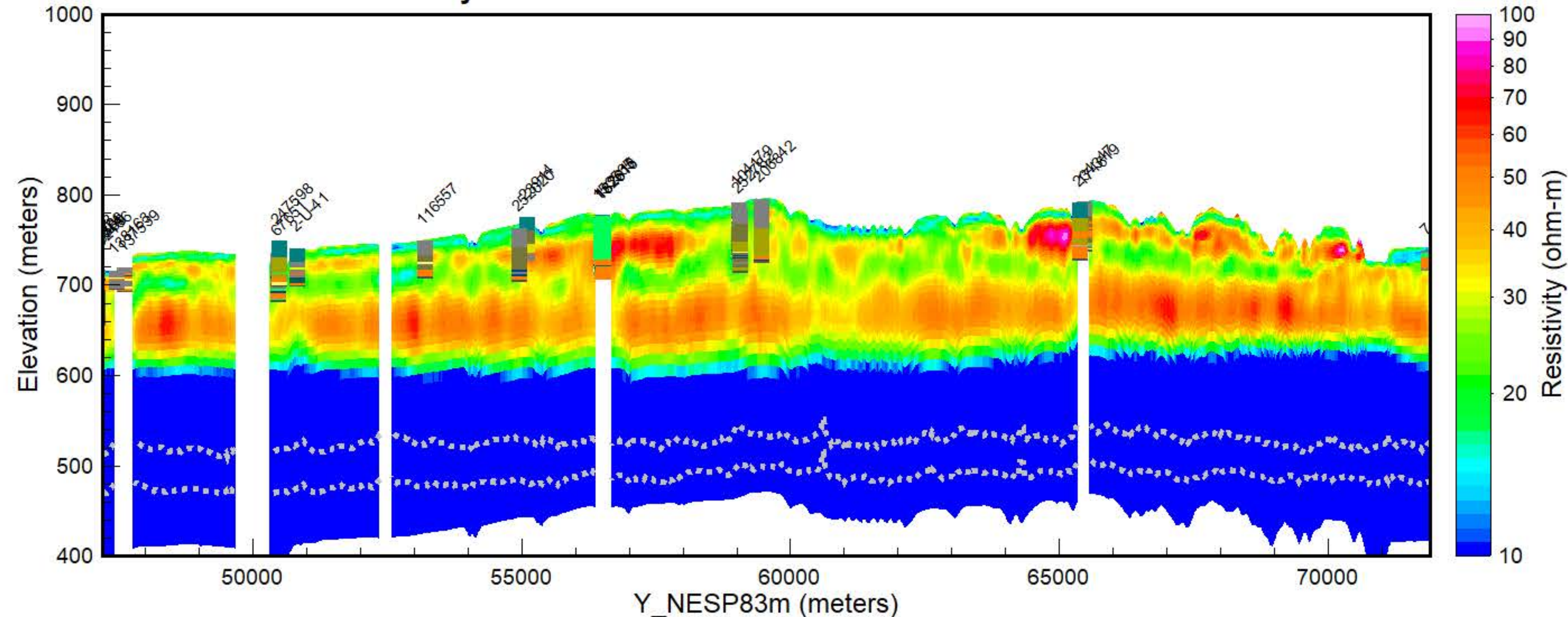
Flight Path Line L505801



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L505801



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

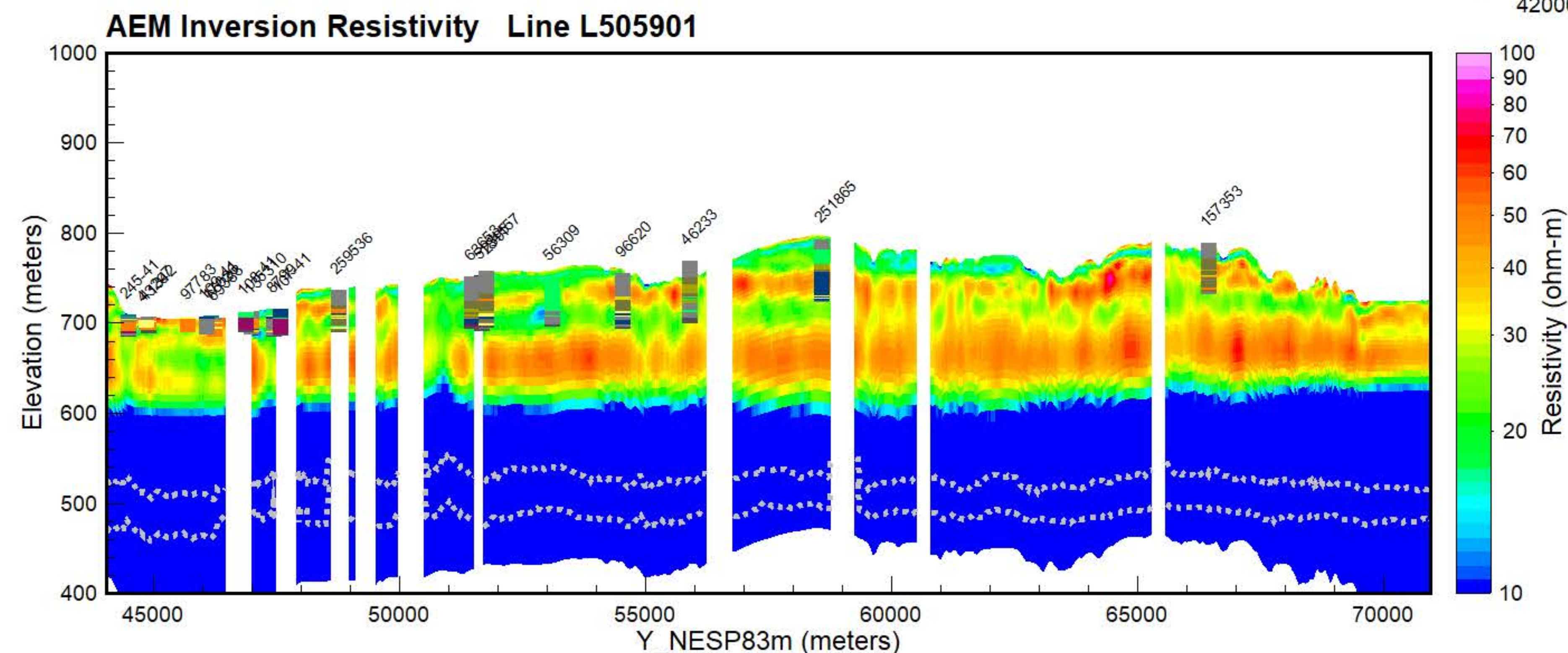
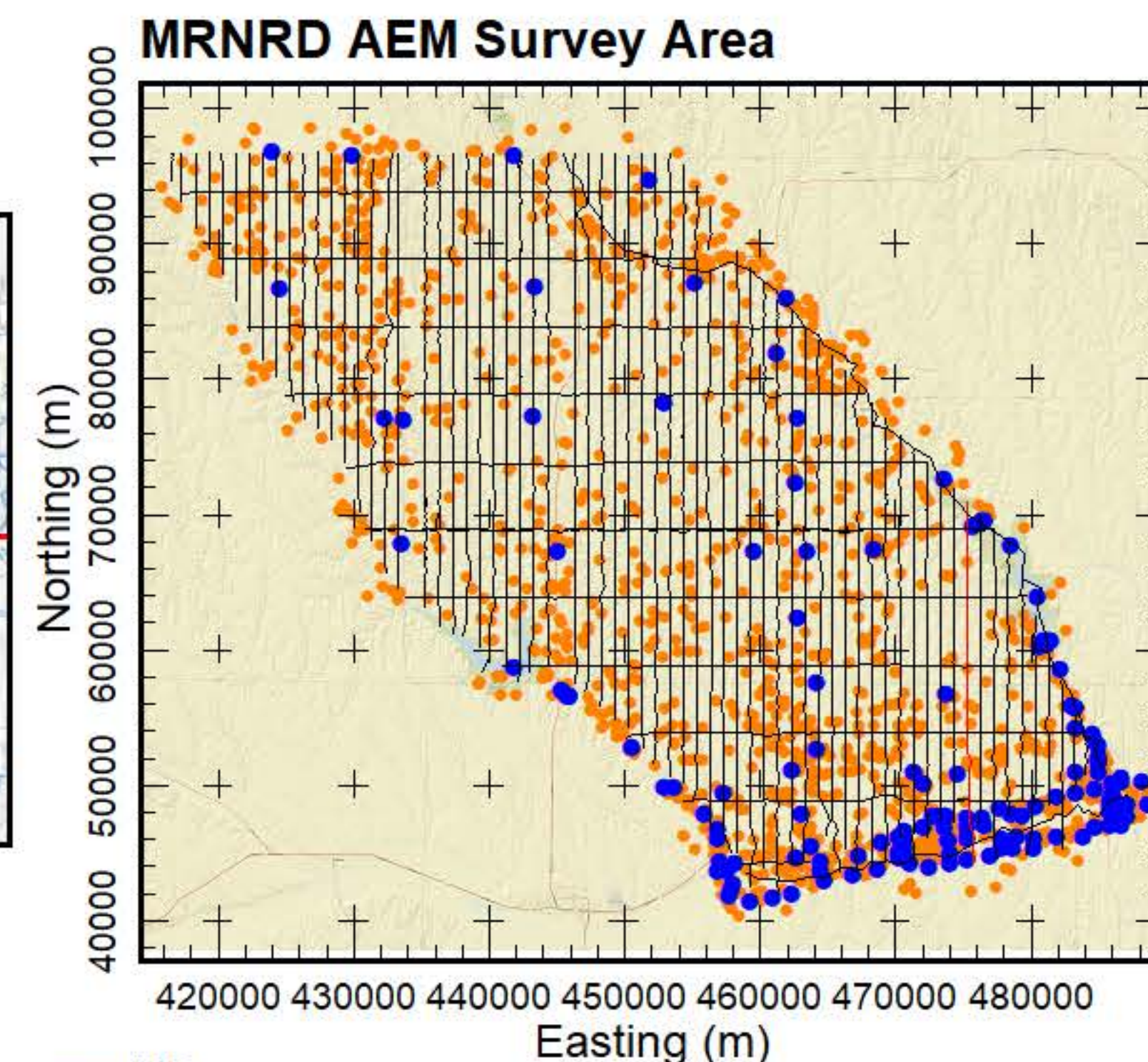
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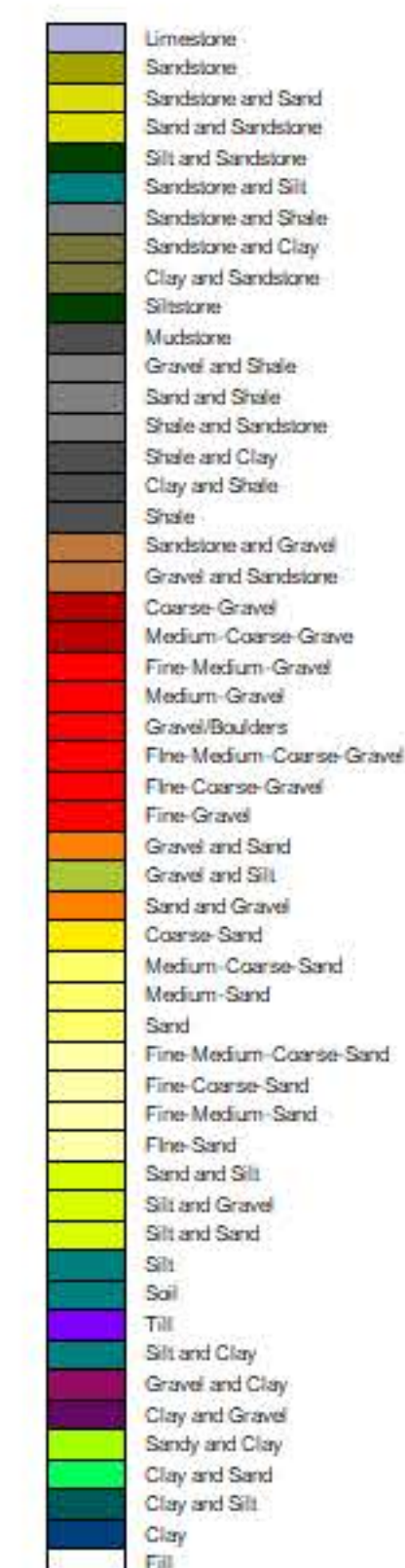
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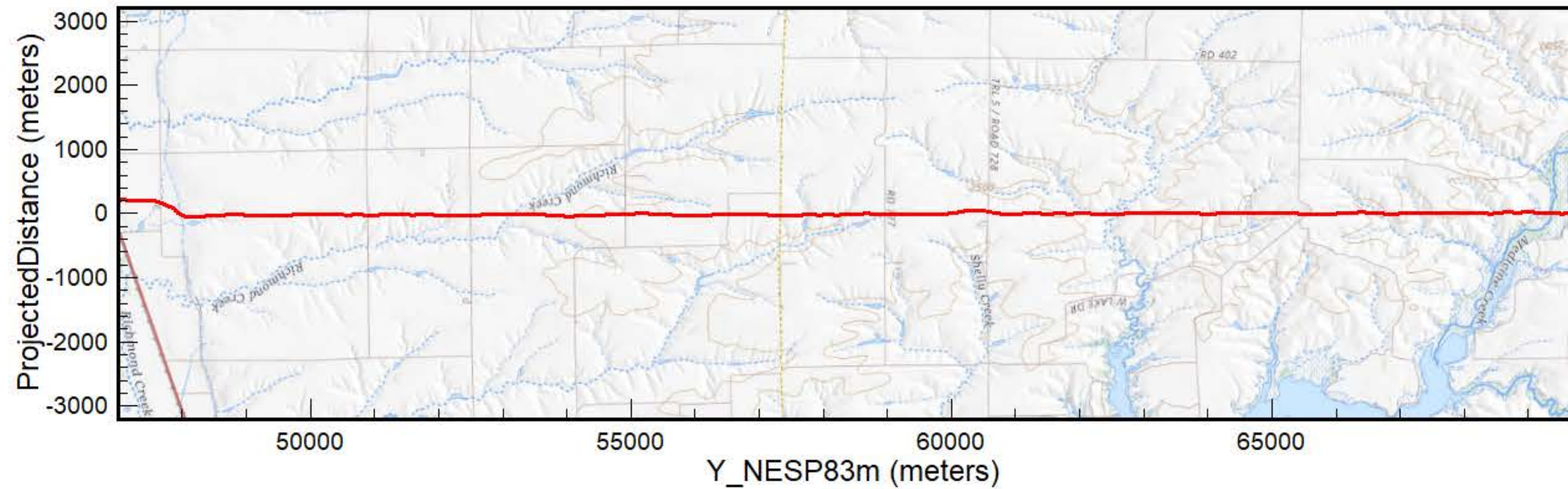


Prepared for the MRNRD by Aqua Geo Frameworks., LLC.

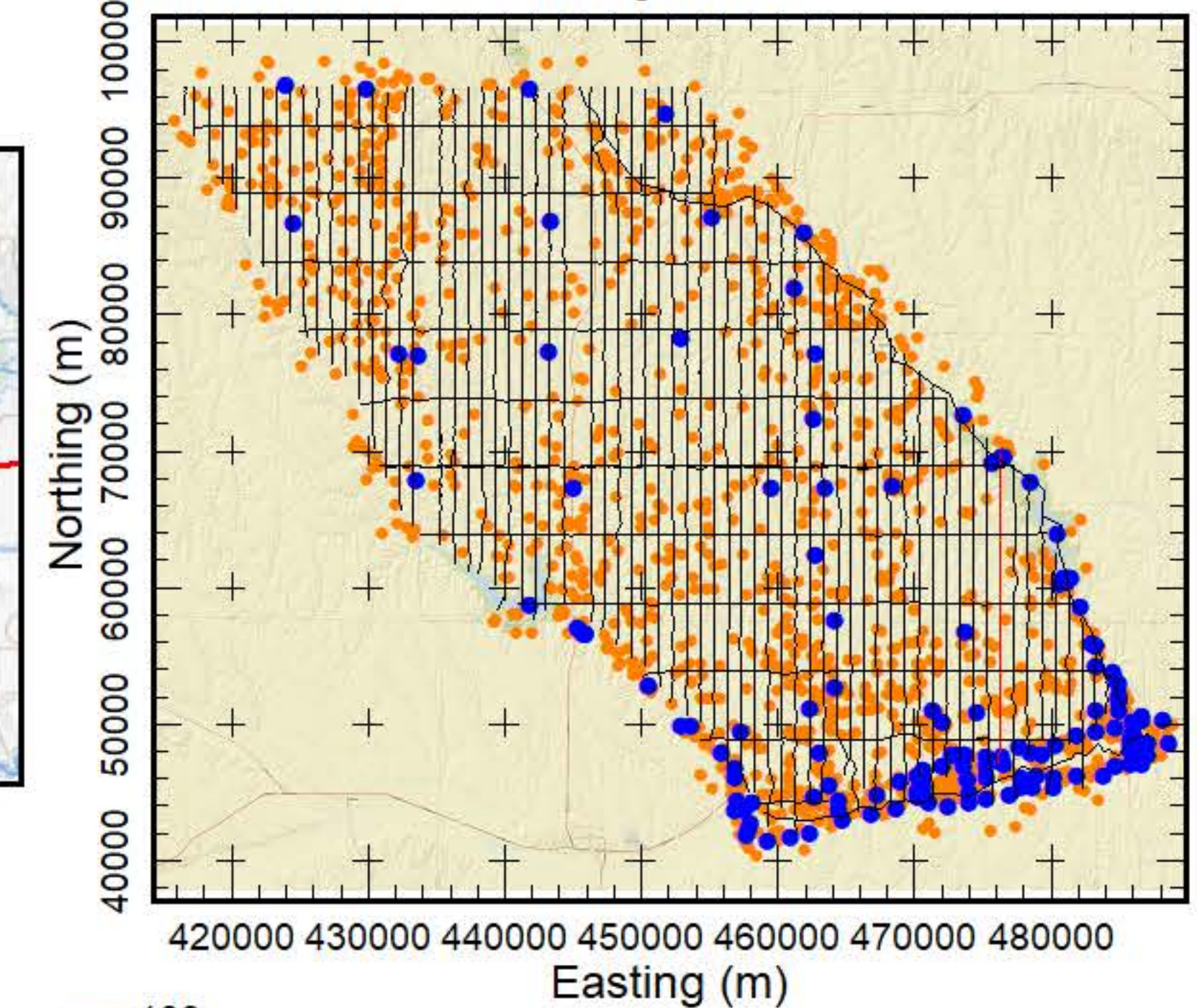




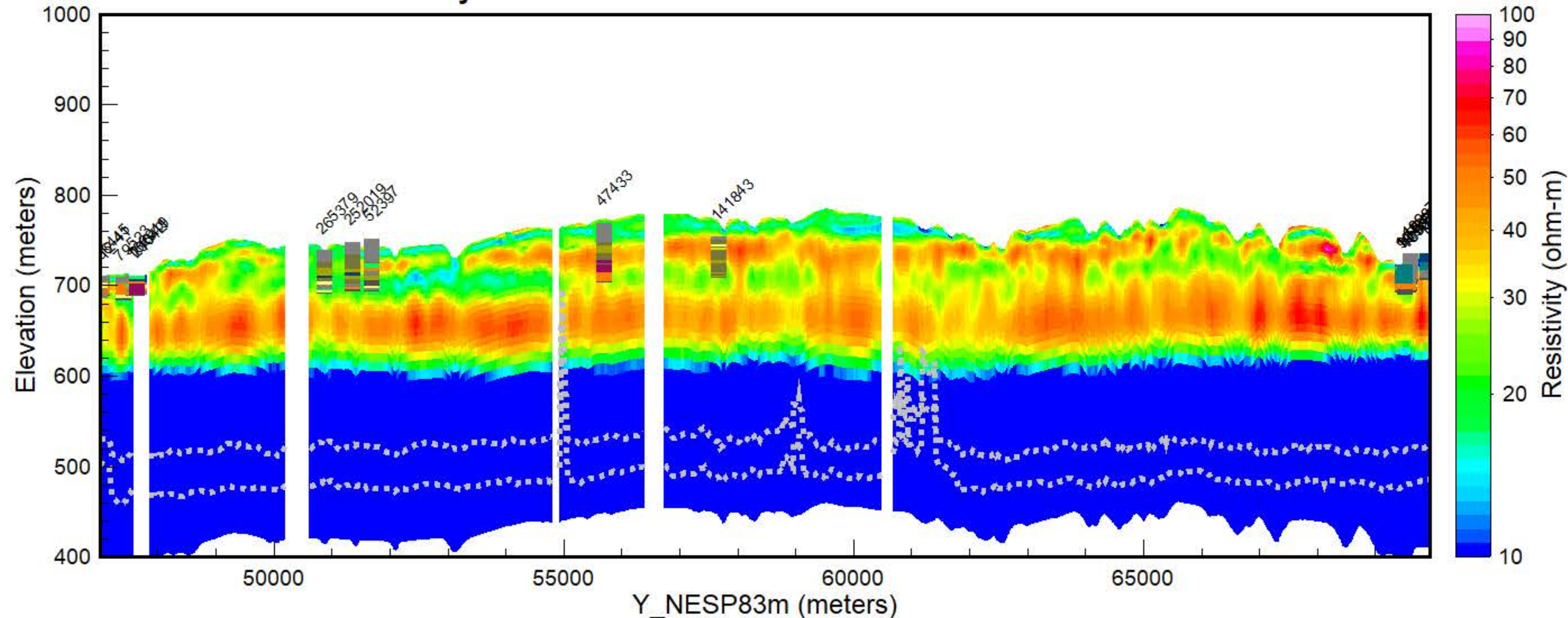
Flight Path Line L506001



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L506001



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

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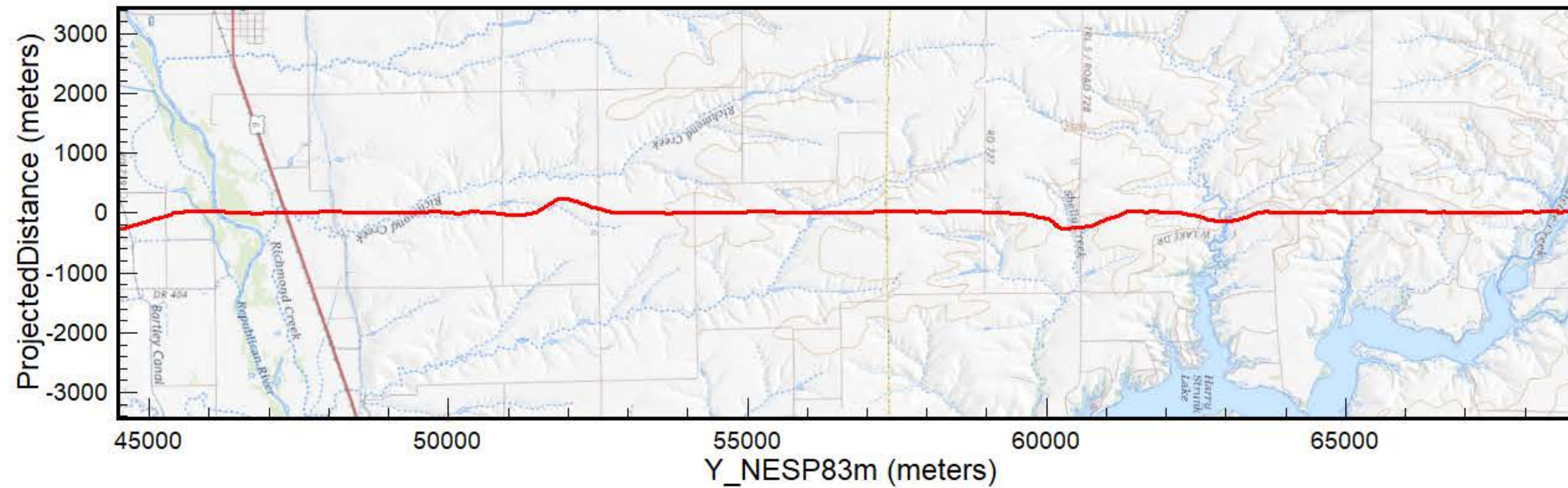
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Prepared for the MRNRD by Aqua Geo Frameworks, LLC.

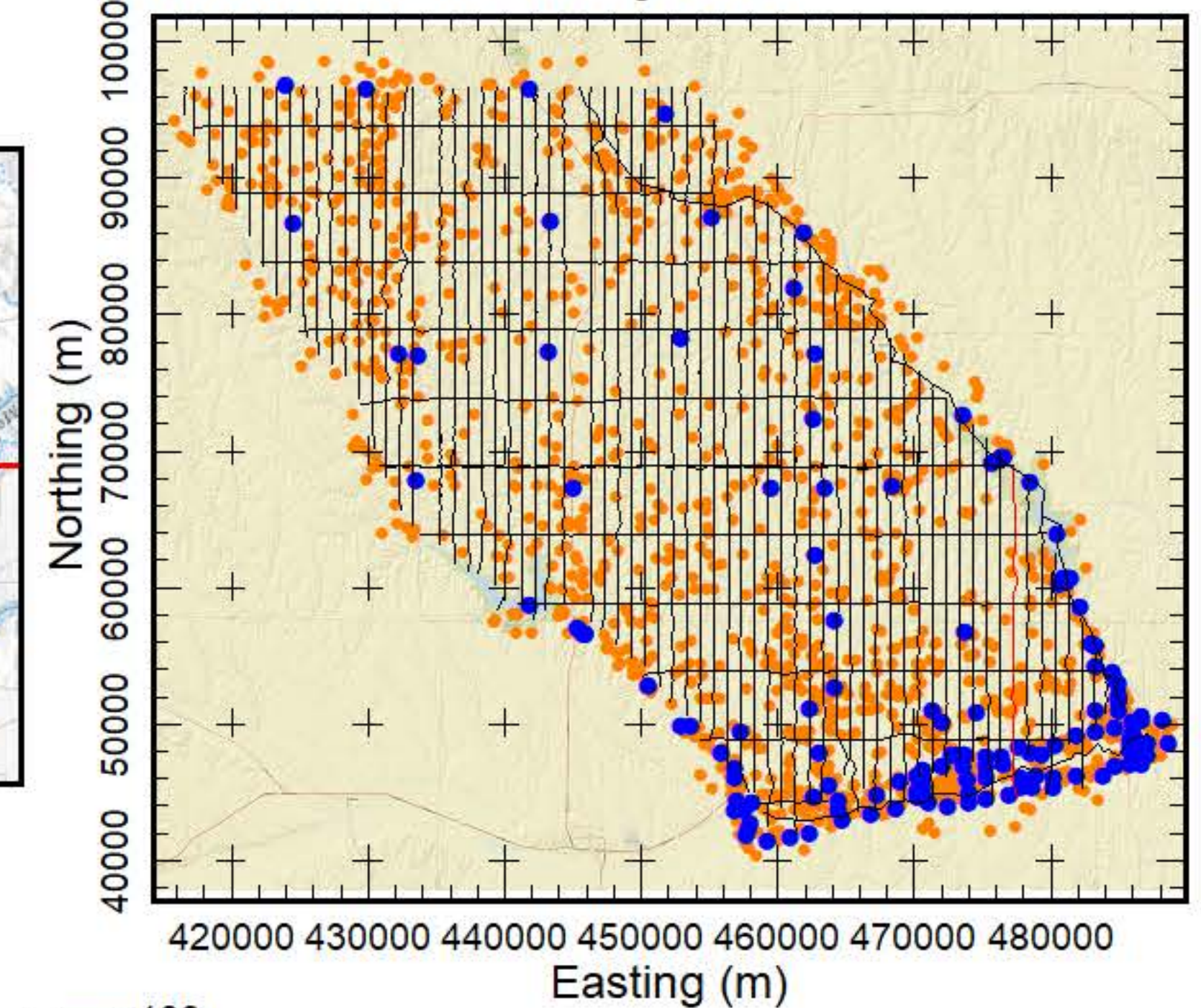




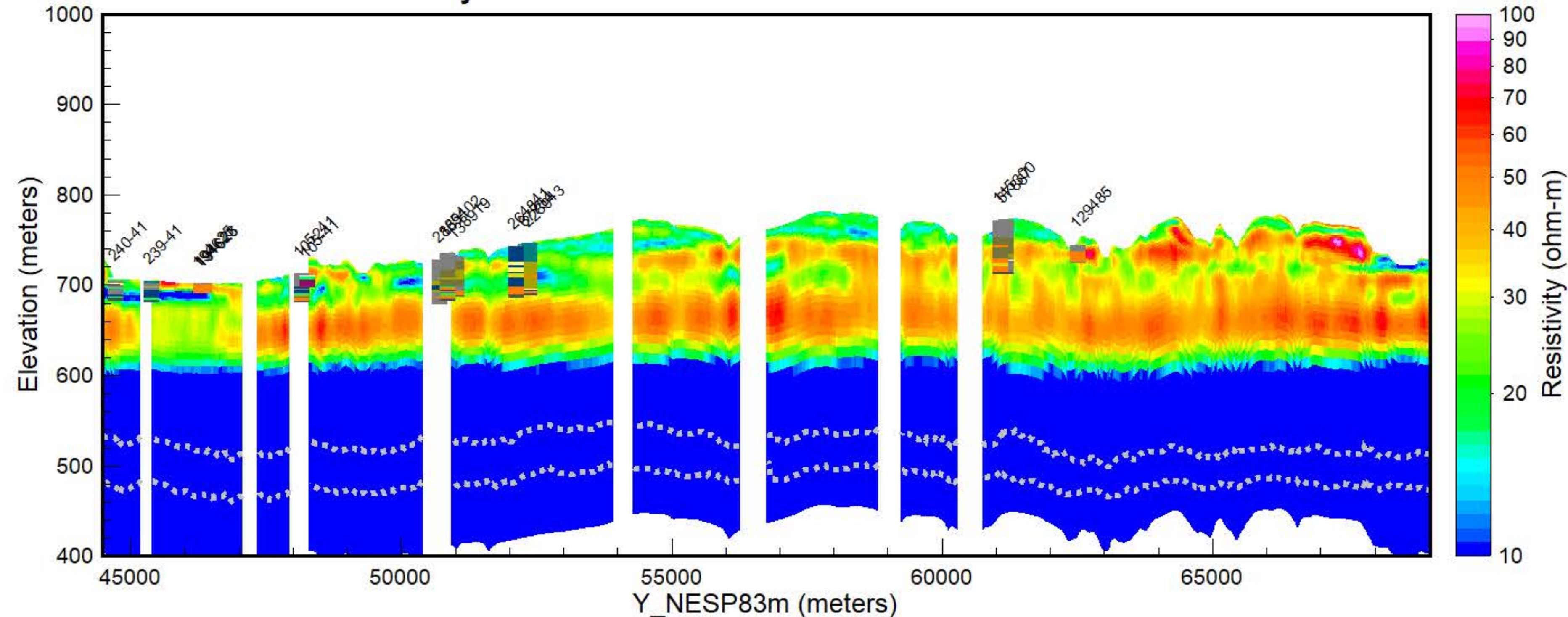
Flight Path Line L506101



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L506101



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

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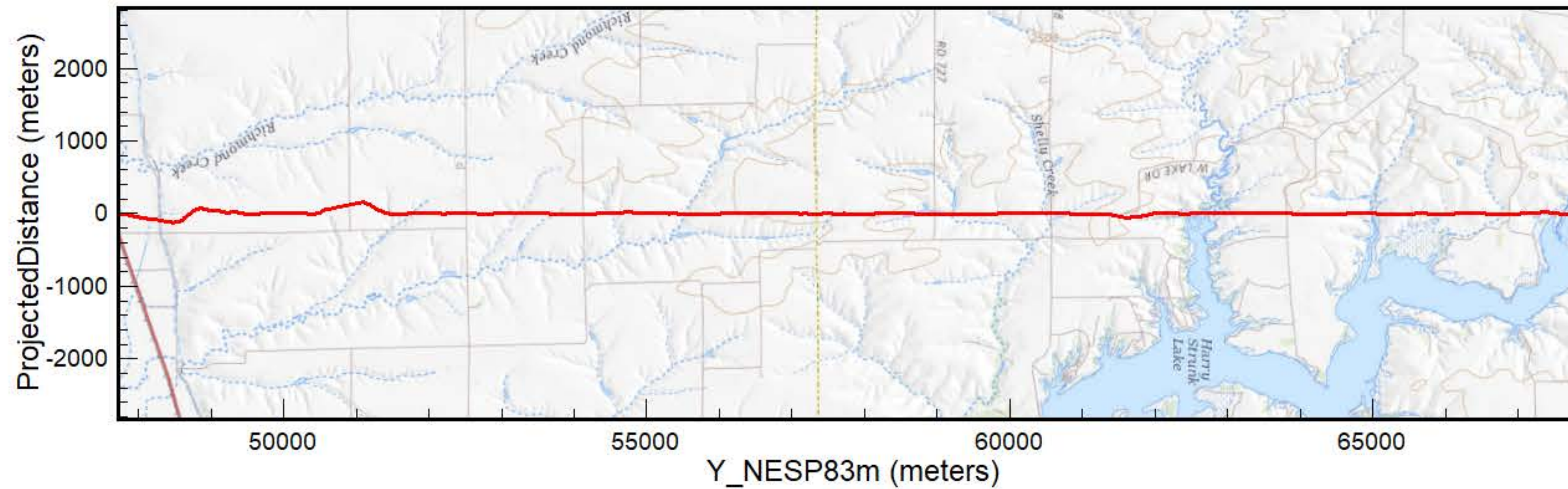
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Prepared for the MRNRD by Aqua Geo Frameworks, LLC.

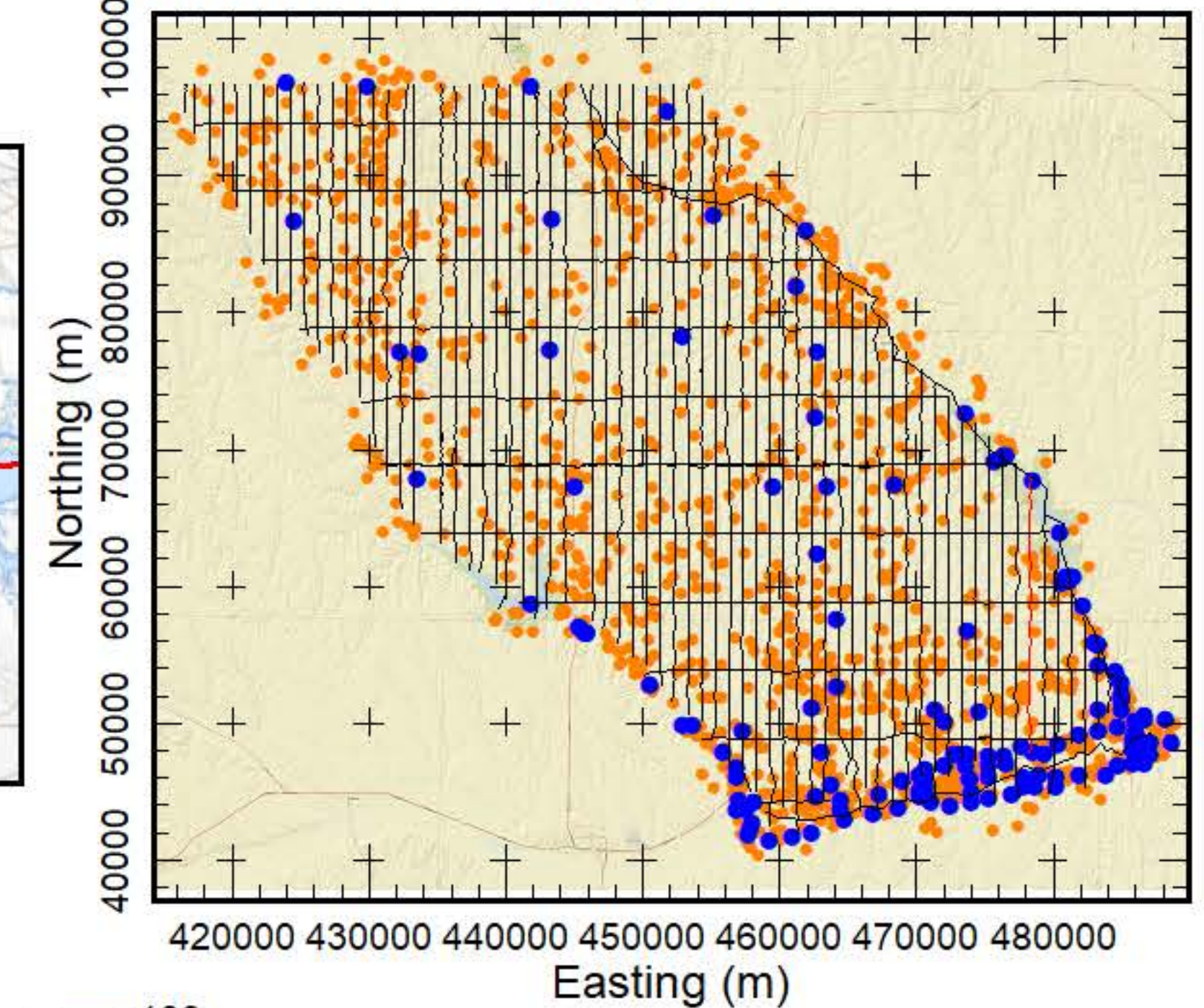




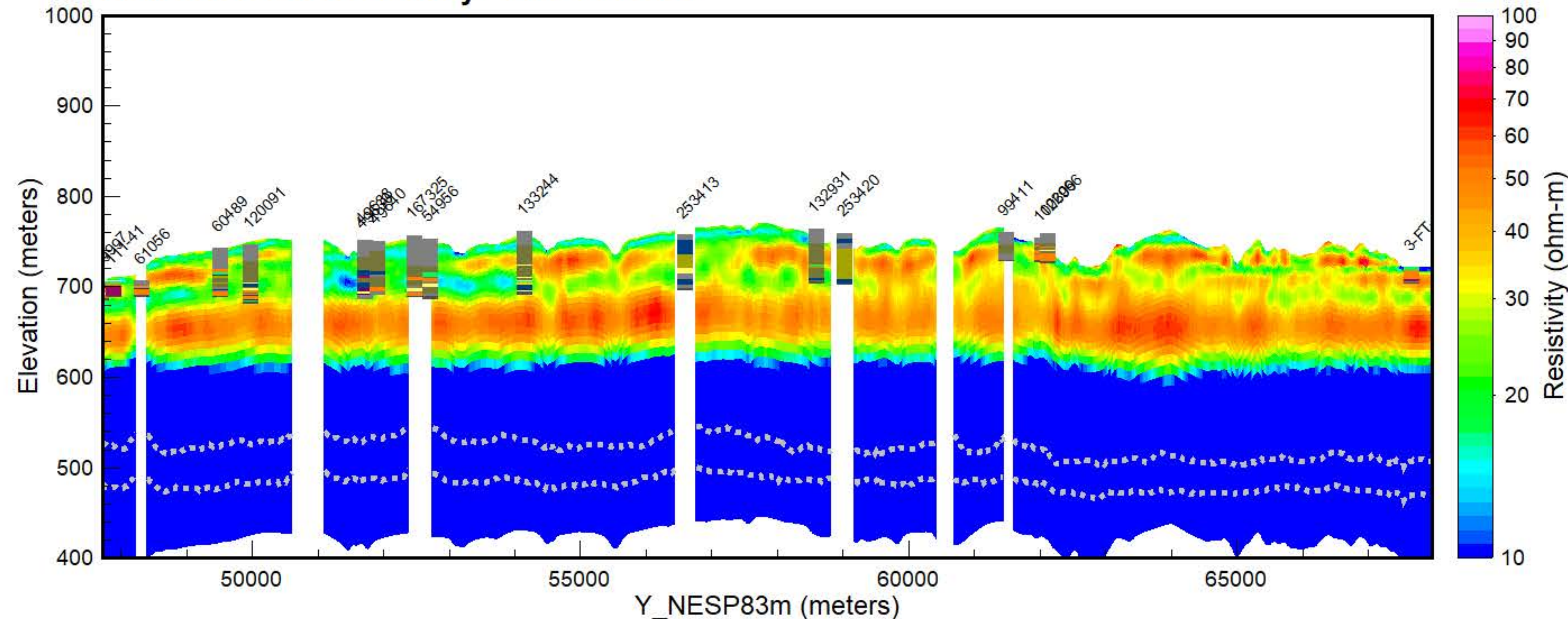
Flight Path Line L506201



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L506201



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

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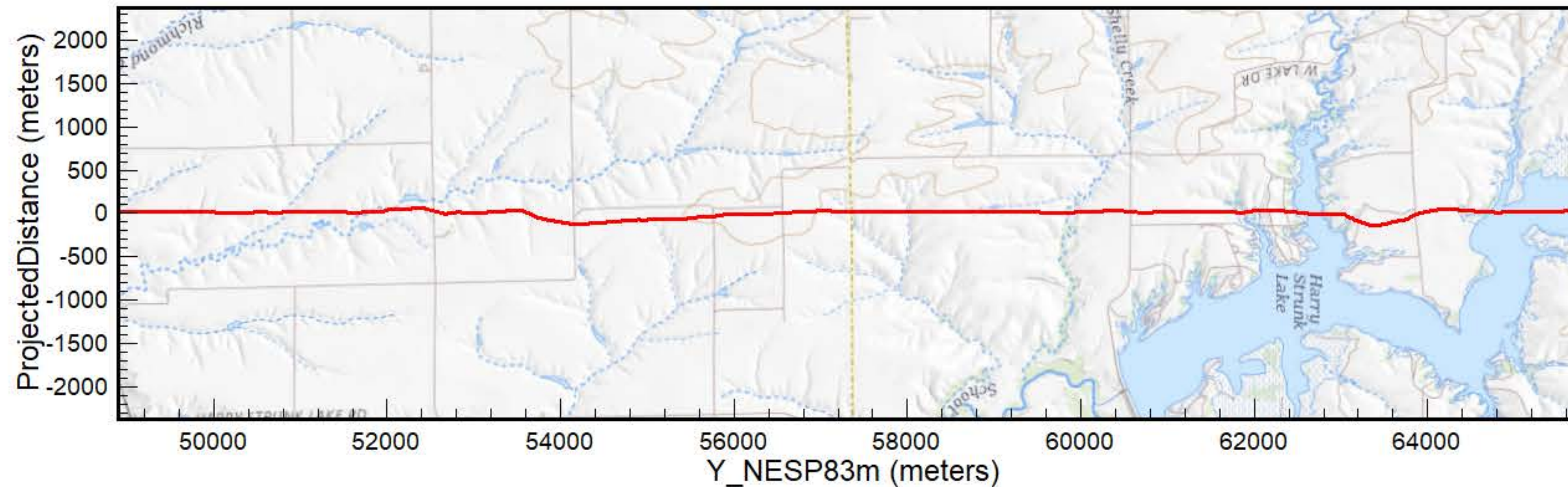
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Prepared for the MRNRD by Aqua Geo Frameworks, LLC.

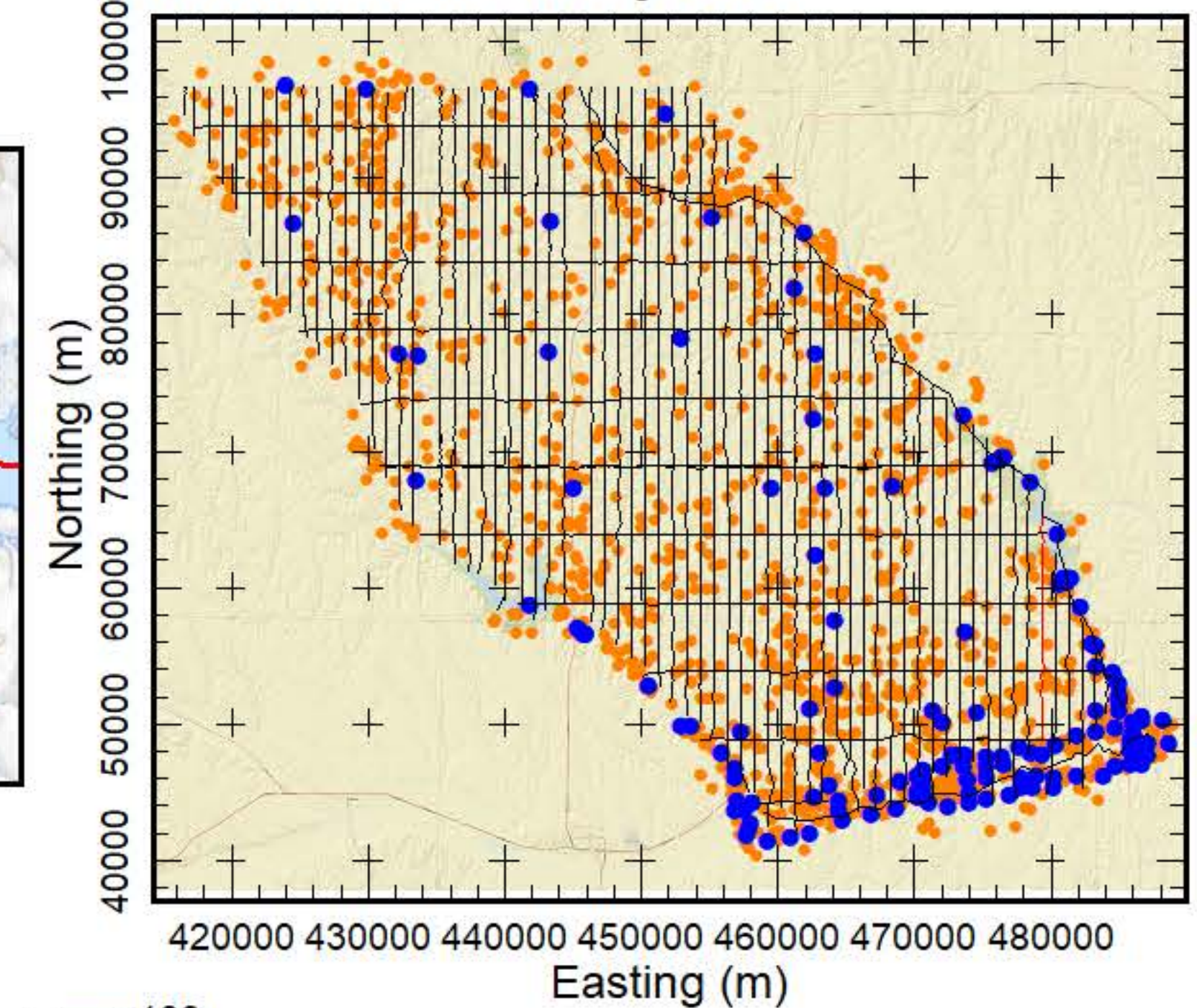




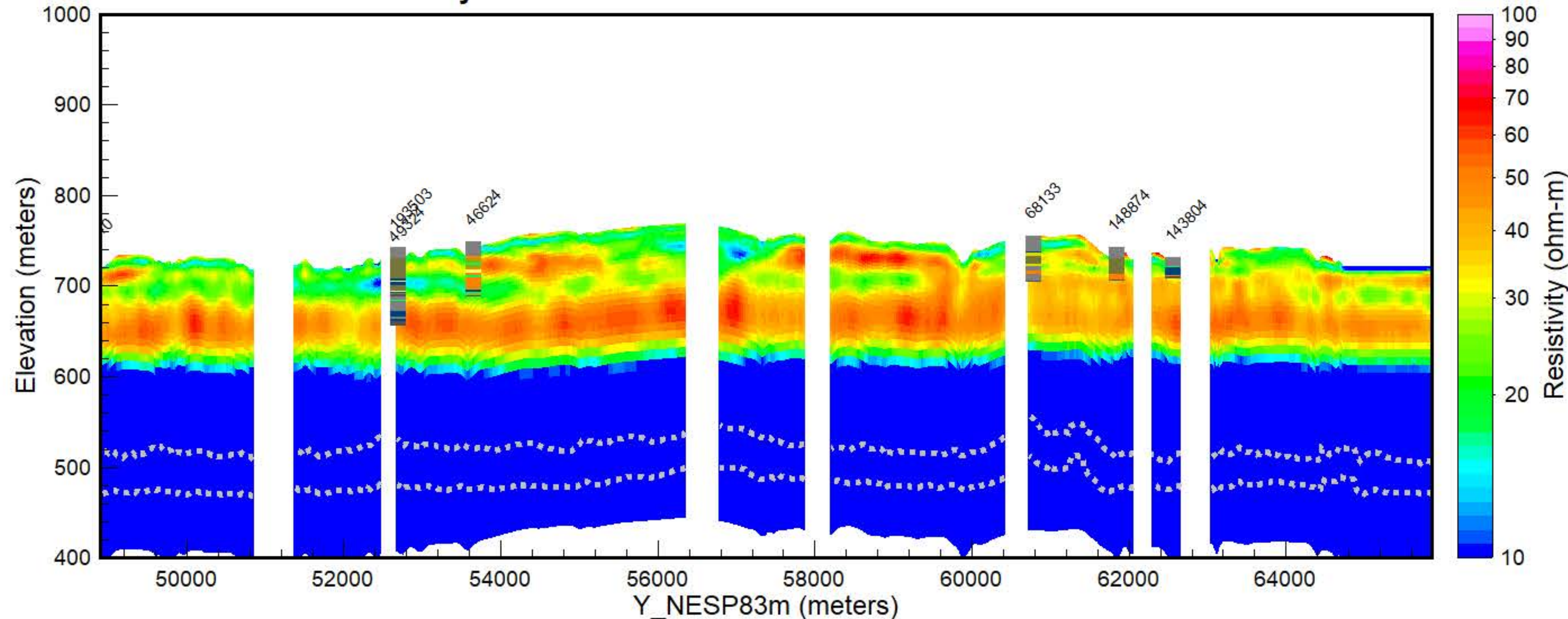
Flight Path Line L506301



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L506301



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

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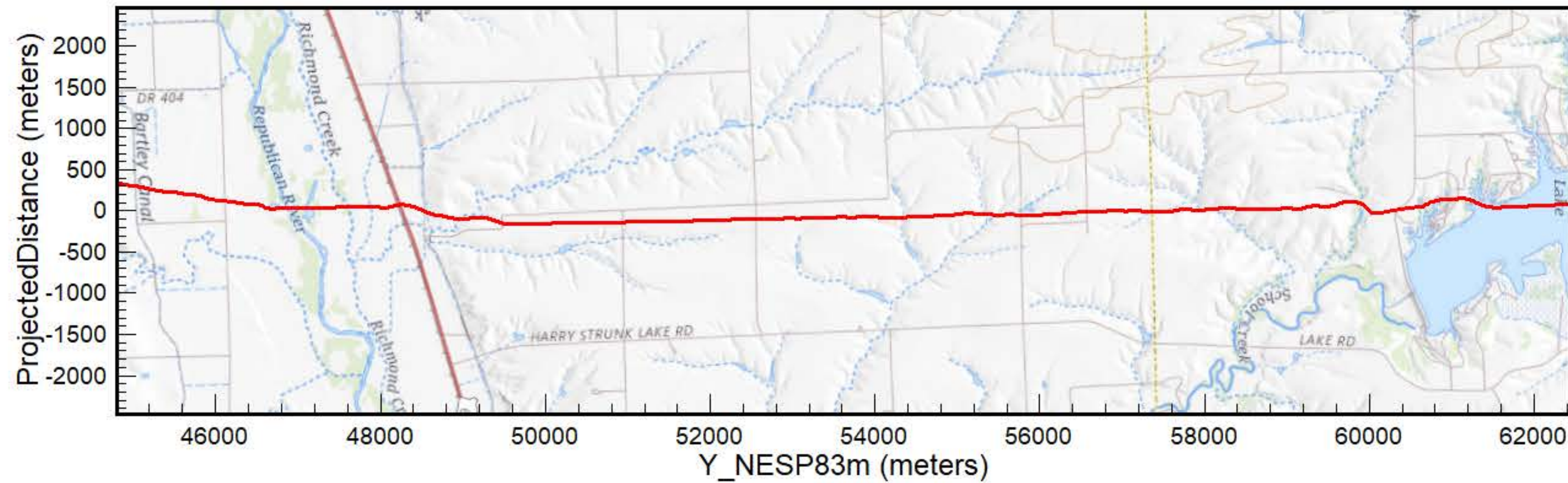
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Prepared for the MRNRD by Aqua Geo Frameworks, LLC.

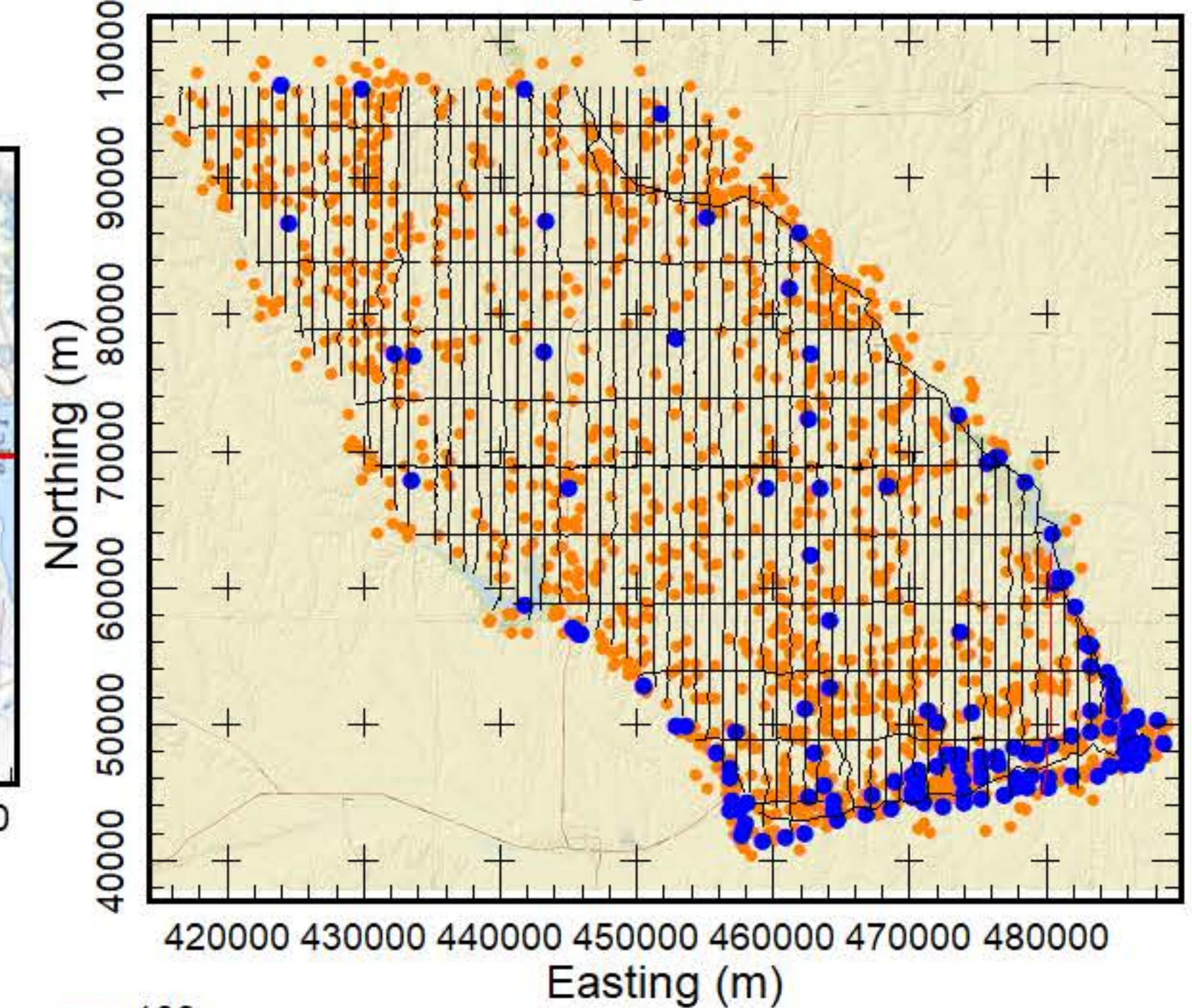




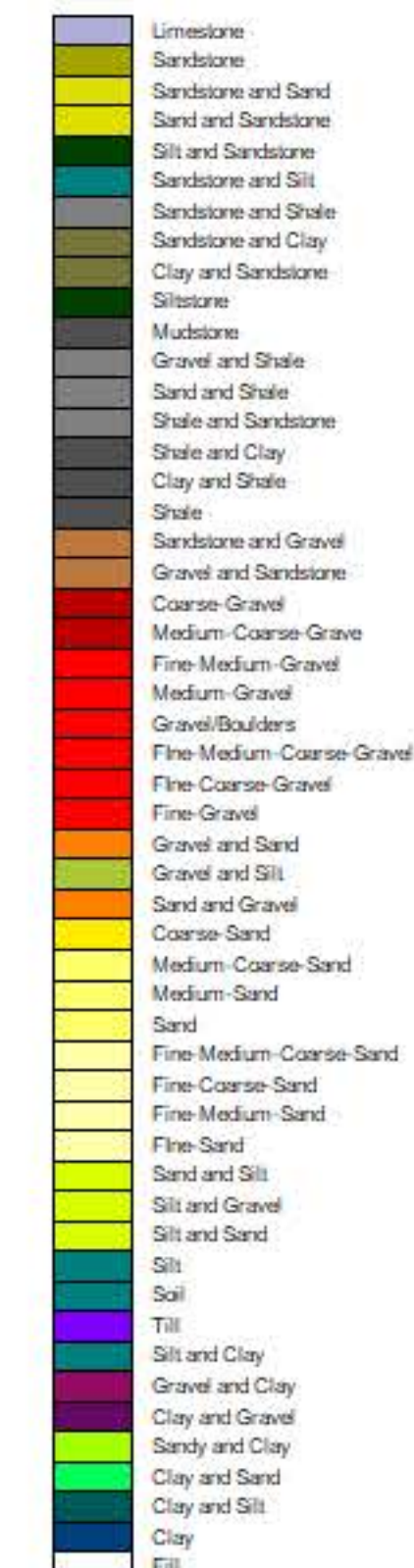
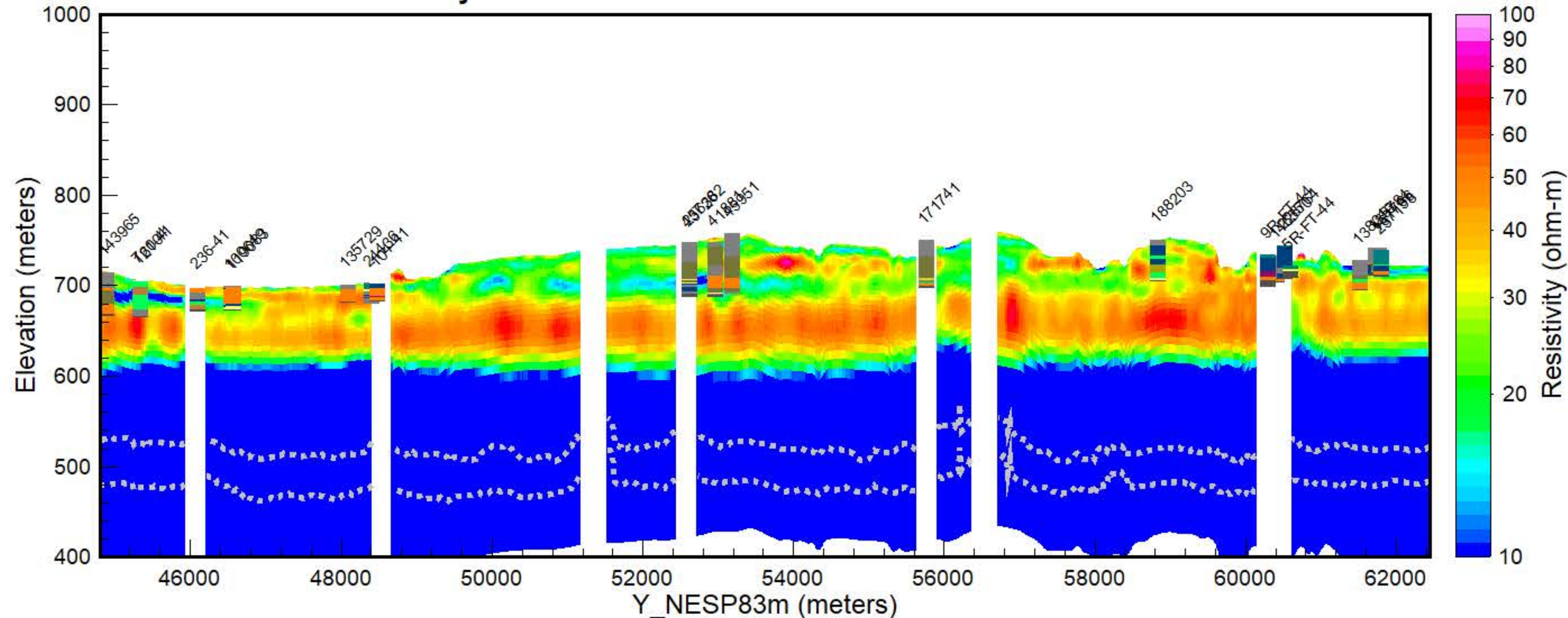
Flight Path Line L506401



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L506401



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

The red line on the Flight Path Map (USGS 100K Topo Map) indicates the location of the data collection.

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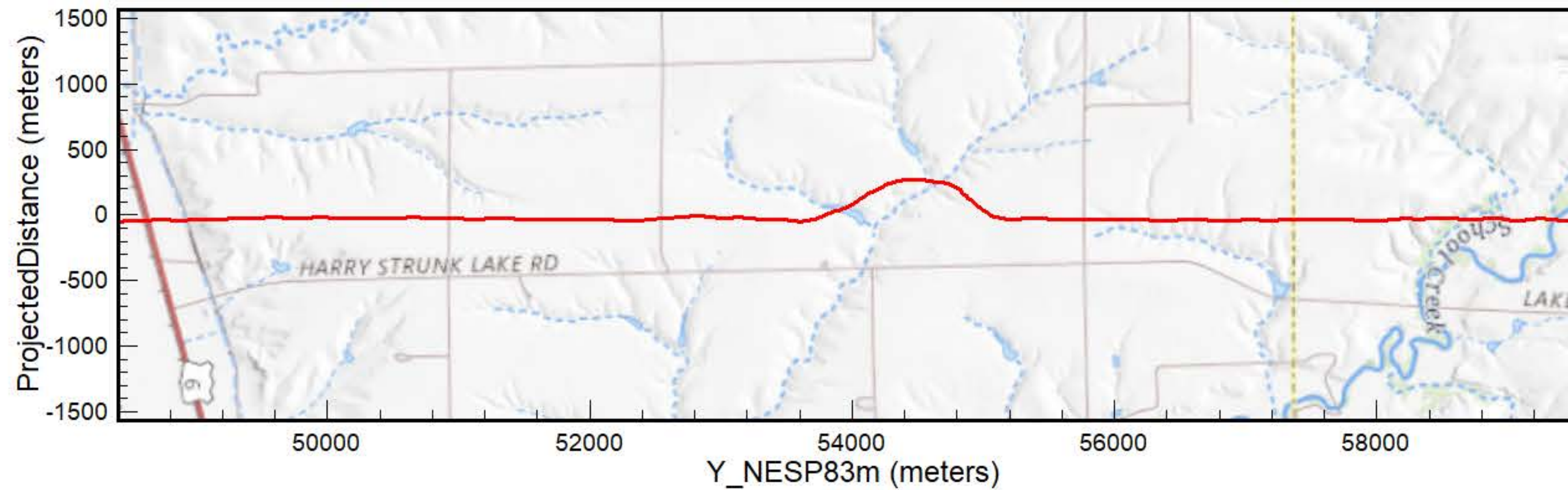
The AEM inversions resistivity shown as profiles are Spatially-Constrained (SCI) using the Aarhus Geo Software Workbench version 6.7.0.0 and are displayed in the indicated electrical resistivity color scale. Boreholes CSD and NE-DNR displayed on the AEM inversion profile are within 500 meters of the flight line. Lithology is indicated by the legend. Gray-dashed lines when visible on the AEM inversions profile indicate the estimated depth of investigation (DOI). White gaps in the AEM inversion profile indicate gaps in data coverage due to electromagnetic coupling or areas that were not flown due to infrastructure.

Prepared for the MRNRD by Aqua Geo Frameworks, LLC.

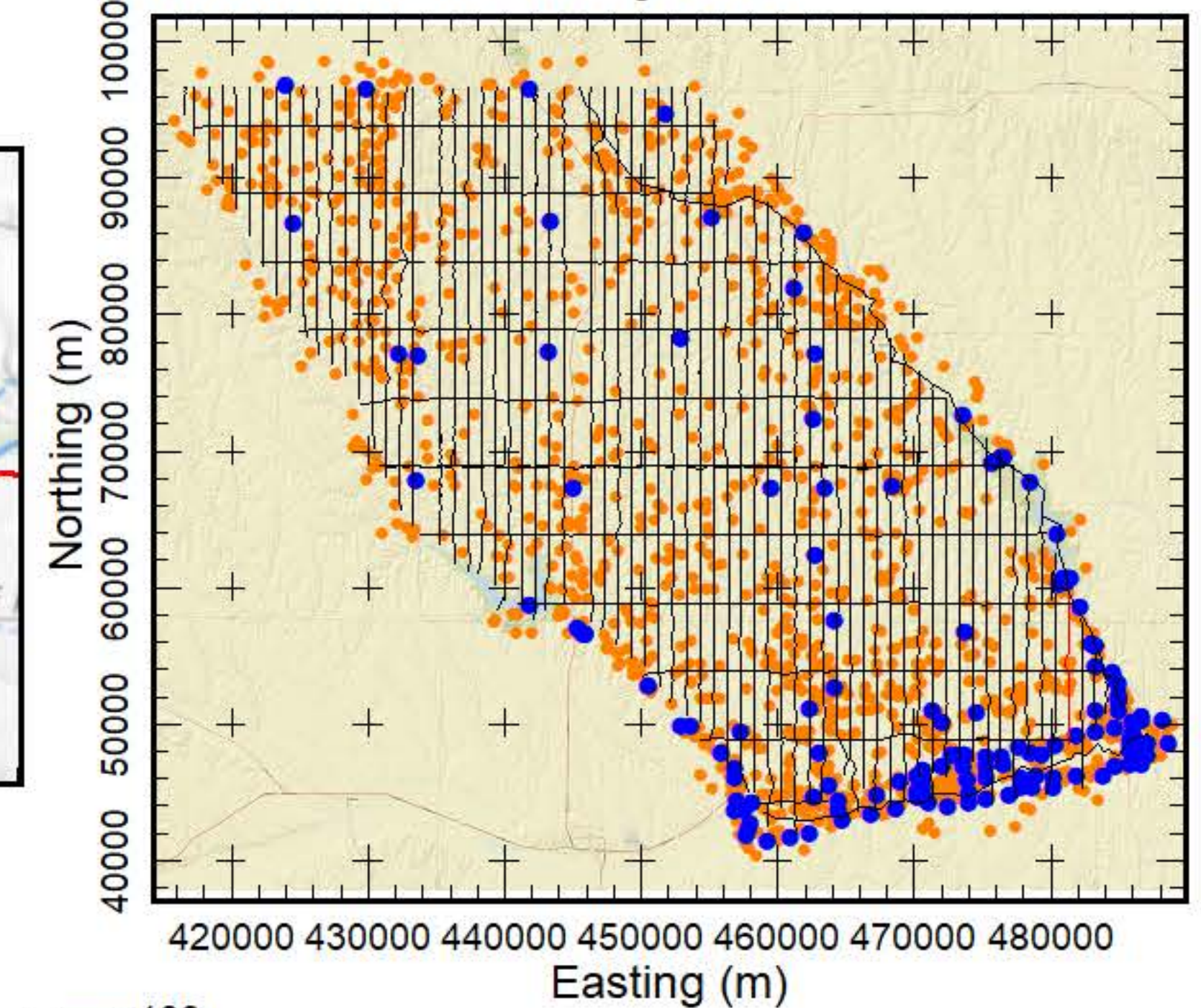




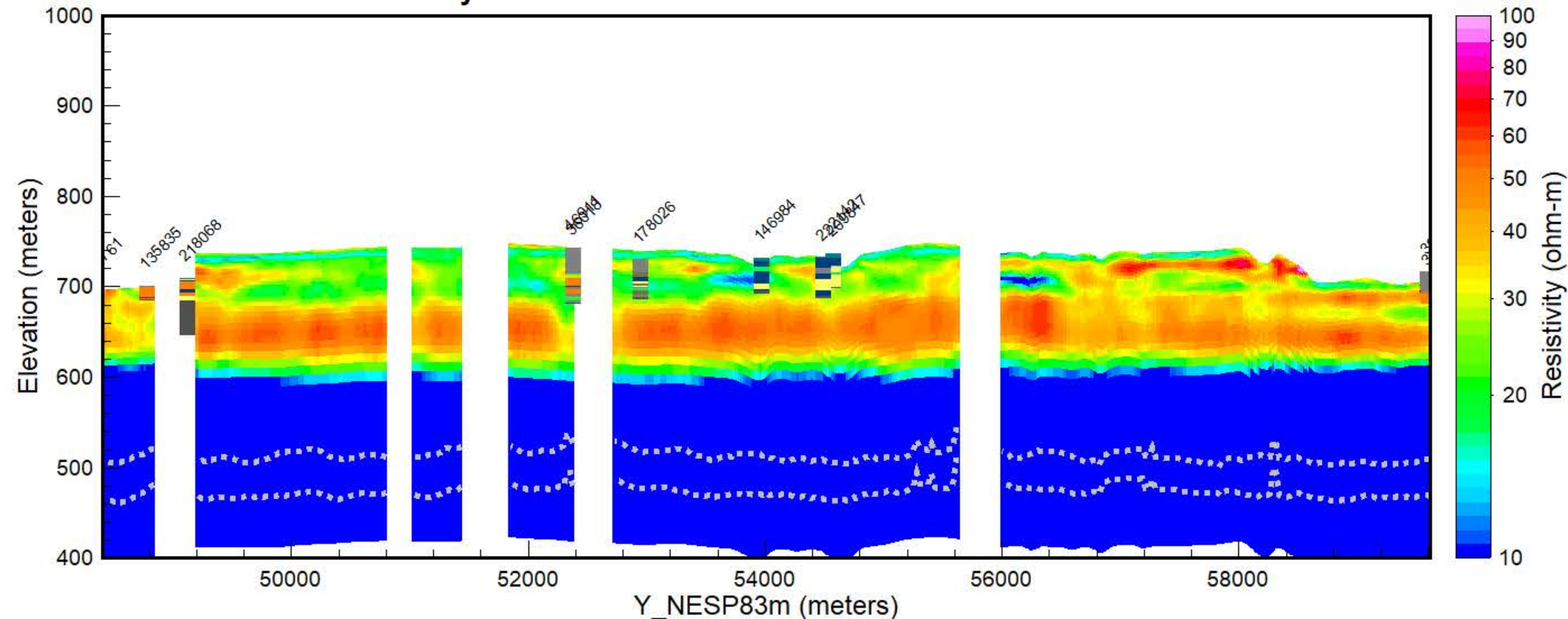
Flight Path Line L506501



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L506501



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

The red line on the Flight Path Map (USGS 100K Topo Map) indicates the location of the data collection.

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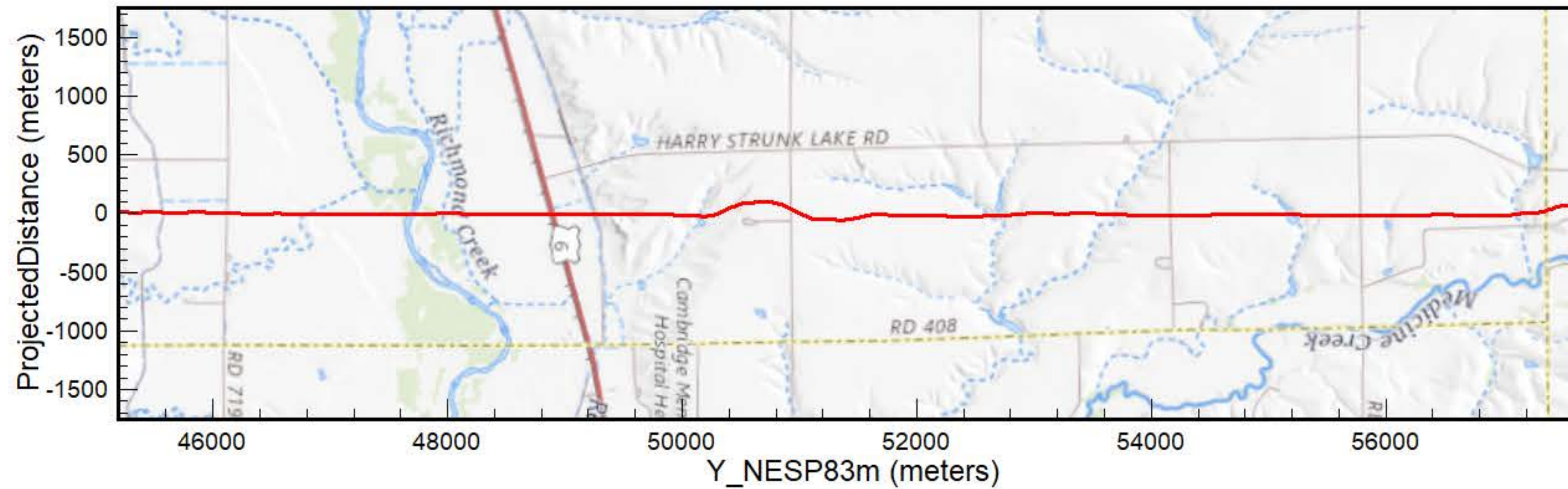
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Prepared for the MRNRD by Aqua Geo Frameworks, LLC.

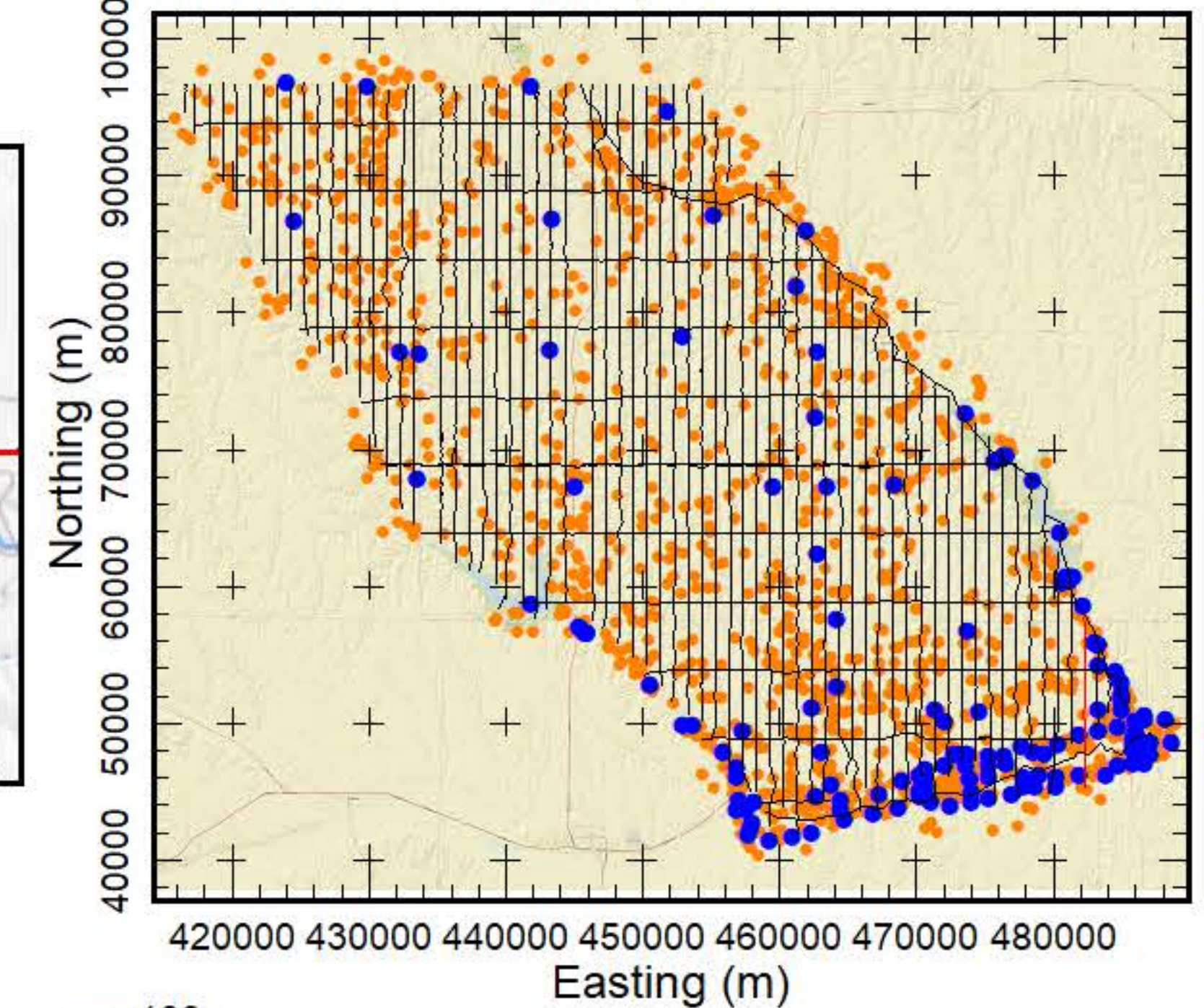




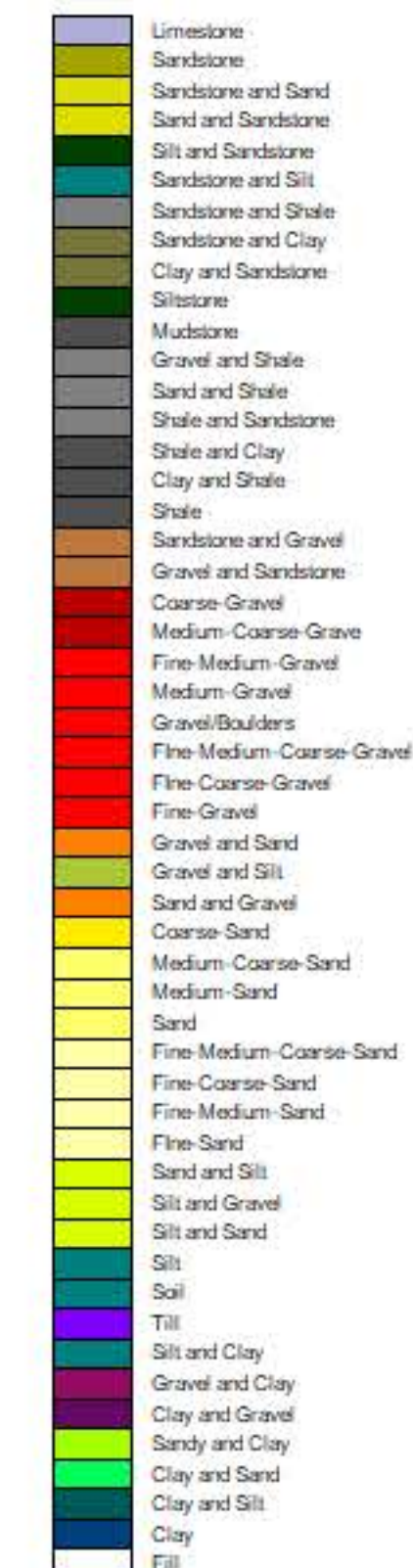
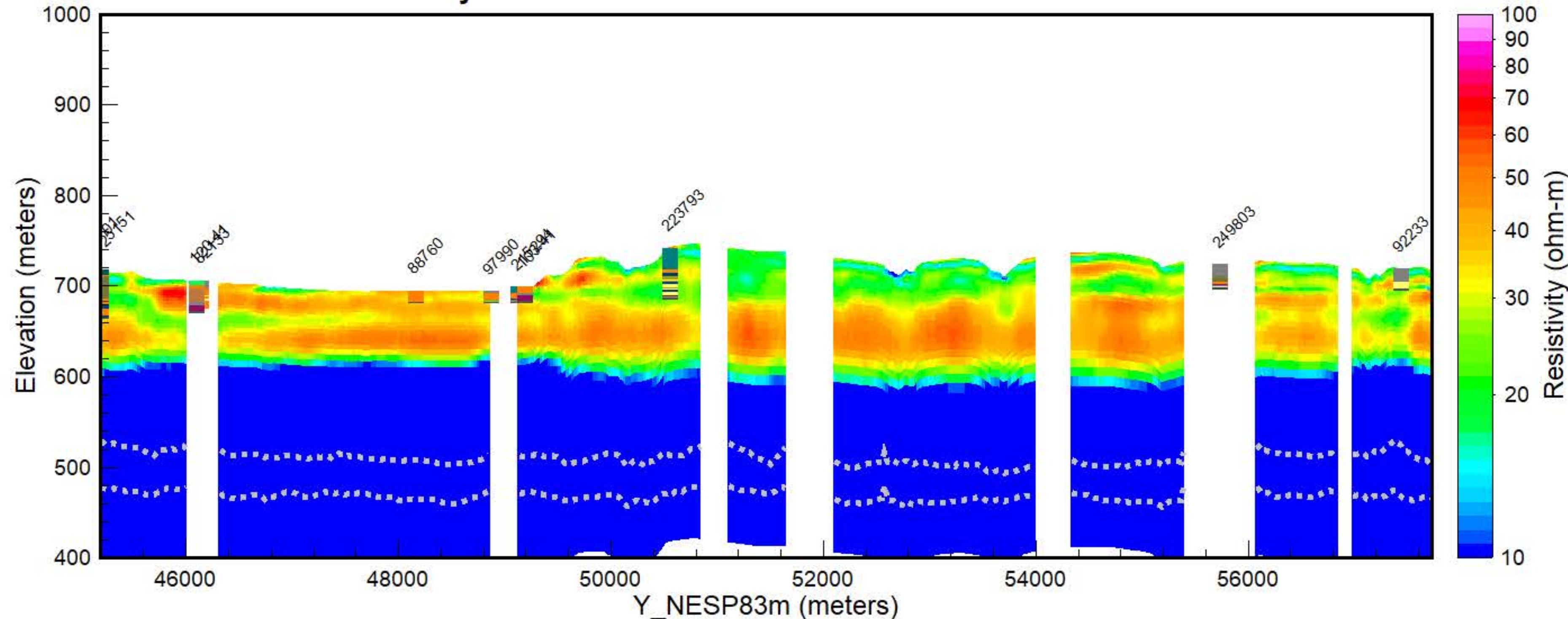
Flight Path Line L506601



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L506601



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

The red line on the Flight Path Map (USGS 100K Topo Map) indicates the location of the data collection.

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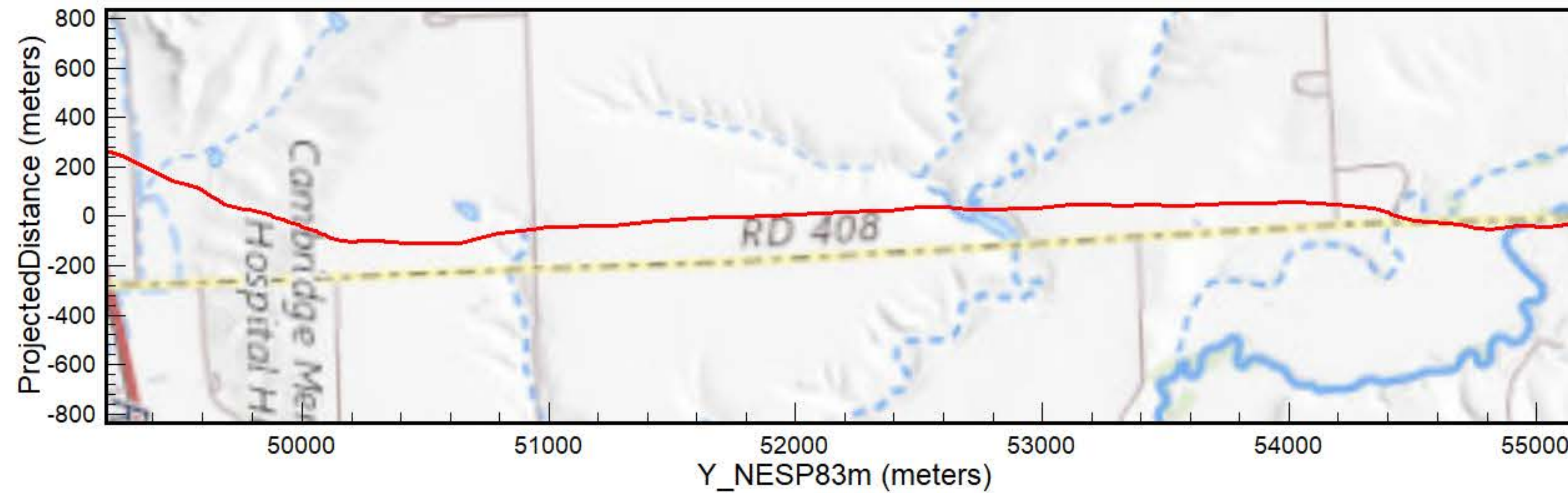
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Prepared for the MRNRD by Aqua Geo Frameworks, LLC.

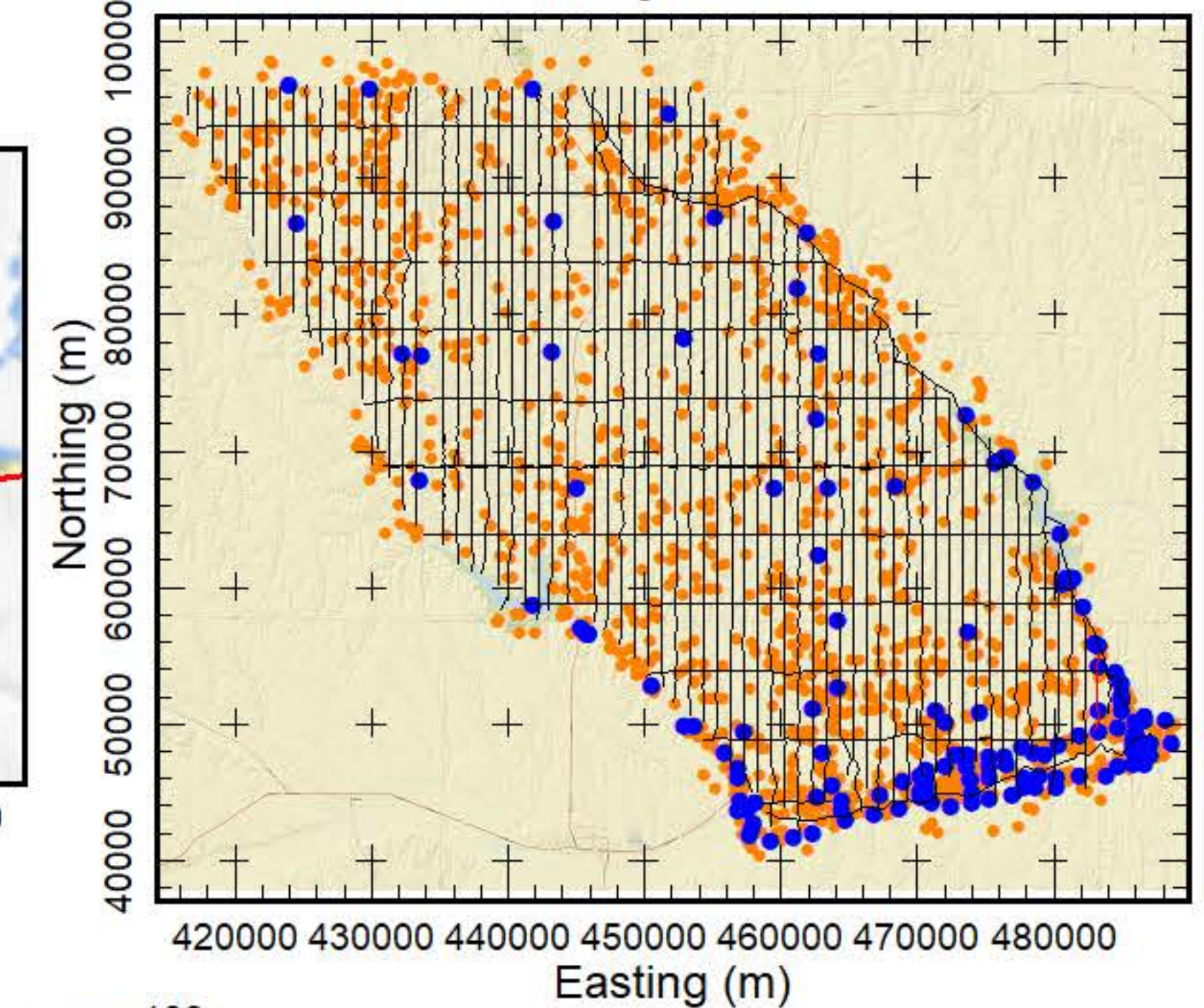




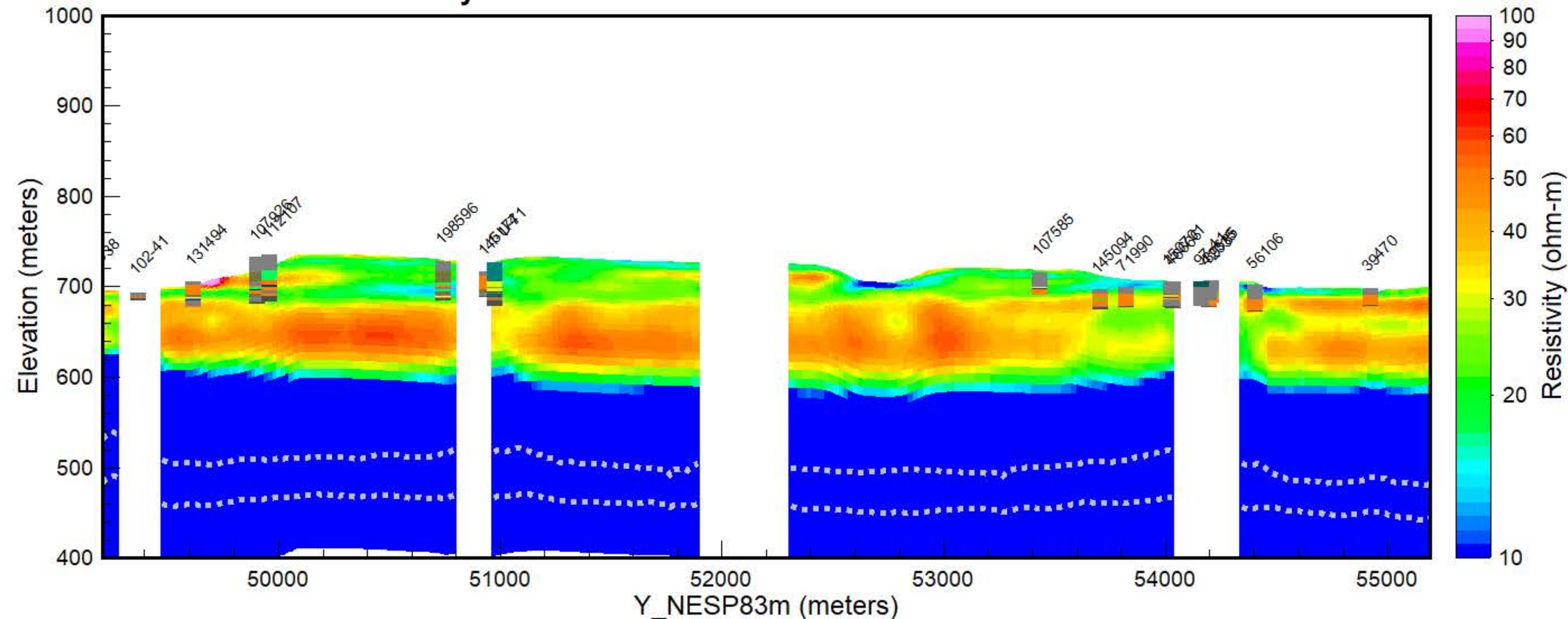
Flight Path Line L506701



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L506701



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

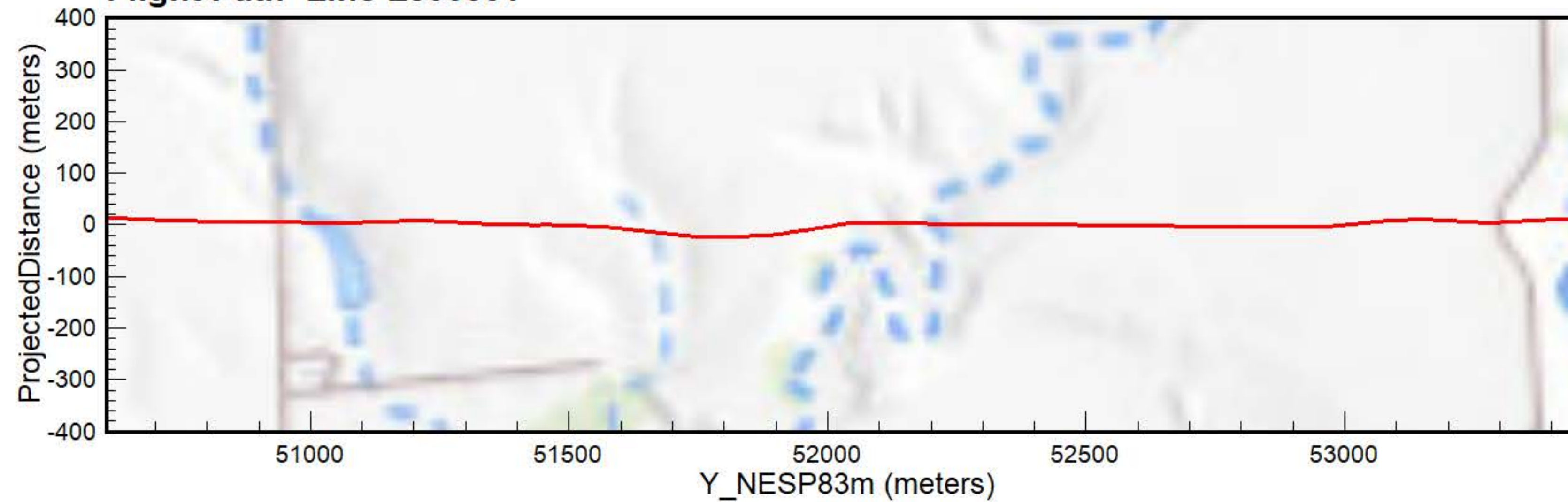
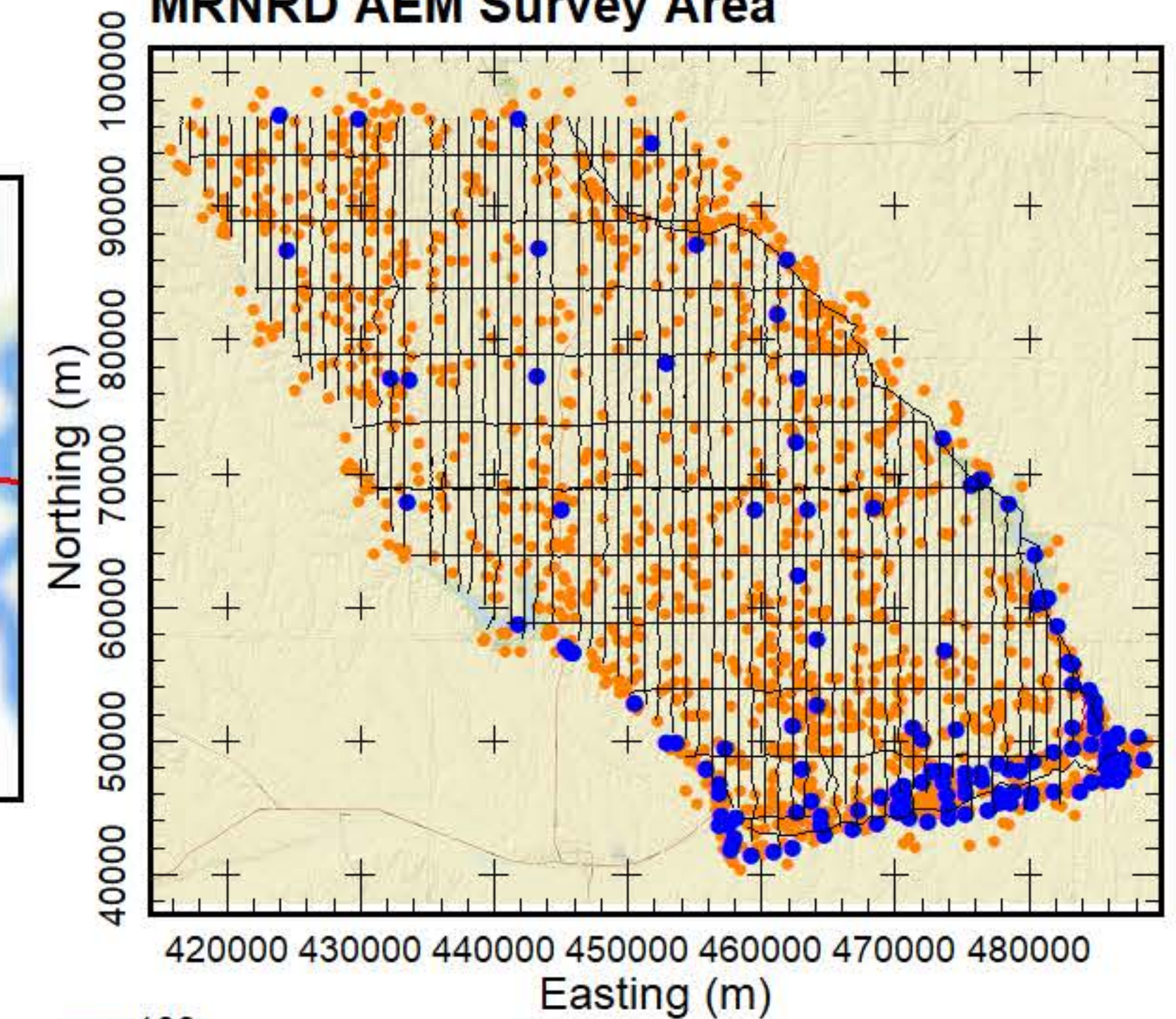
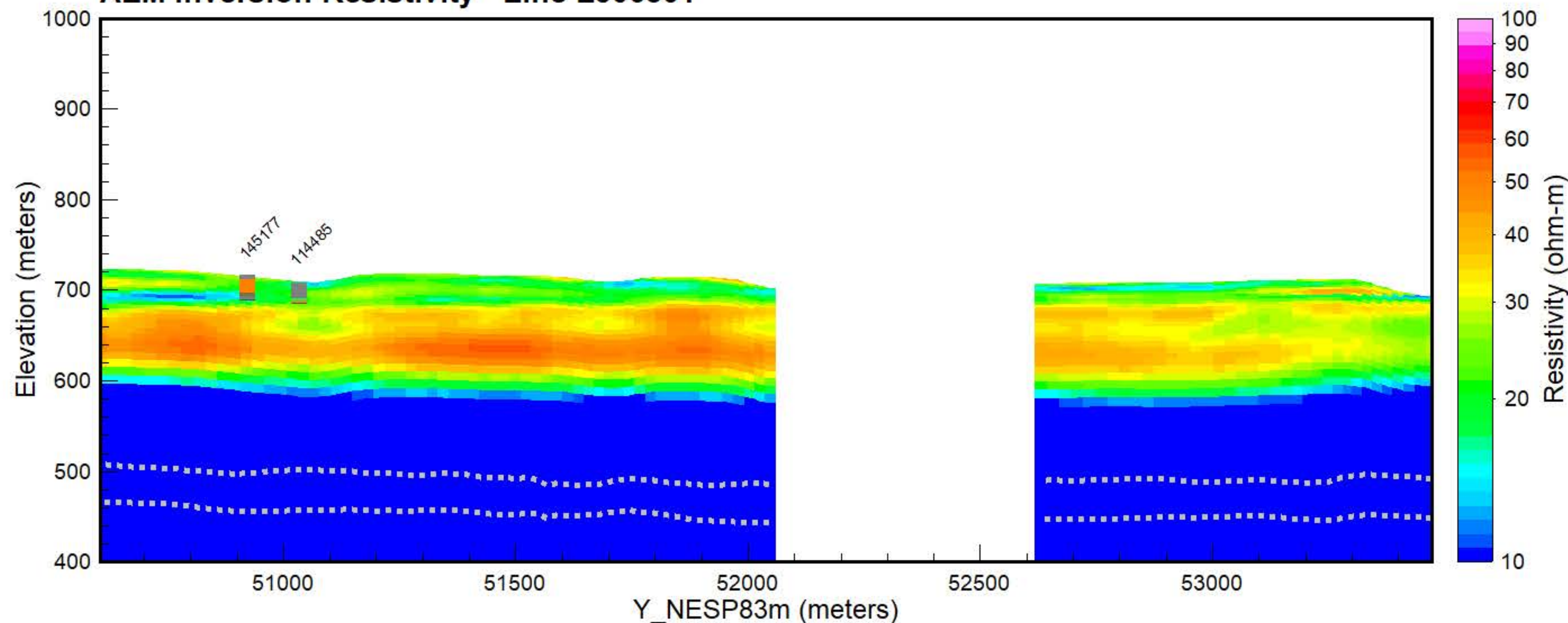
The red line on the Flight Path Map (USGS 100K Topo Map) indicates the location of the data collection.

The MRNRD AEM Survey Area map displays the total survey lines as black lines with the current flight line highlighted in red on a general map of the area. The blue dots represent the Conservation Survey Division (CSD) test holes public website downloaded on June 19, 2022 and the orange dots represent the Nebraska Department of Natural Resources (NE-DNR) Registered well database downloaded June 23, 2022.

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Prepared for the MRNRD by Aqua Geo Frameworks, LLC.




Flight Path Line L506801

MRNRD AEM Survey Area

AEM Inversion Resistivity Line L506801


Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

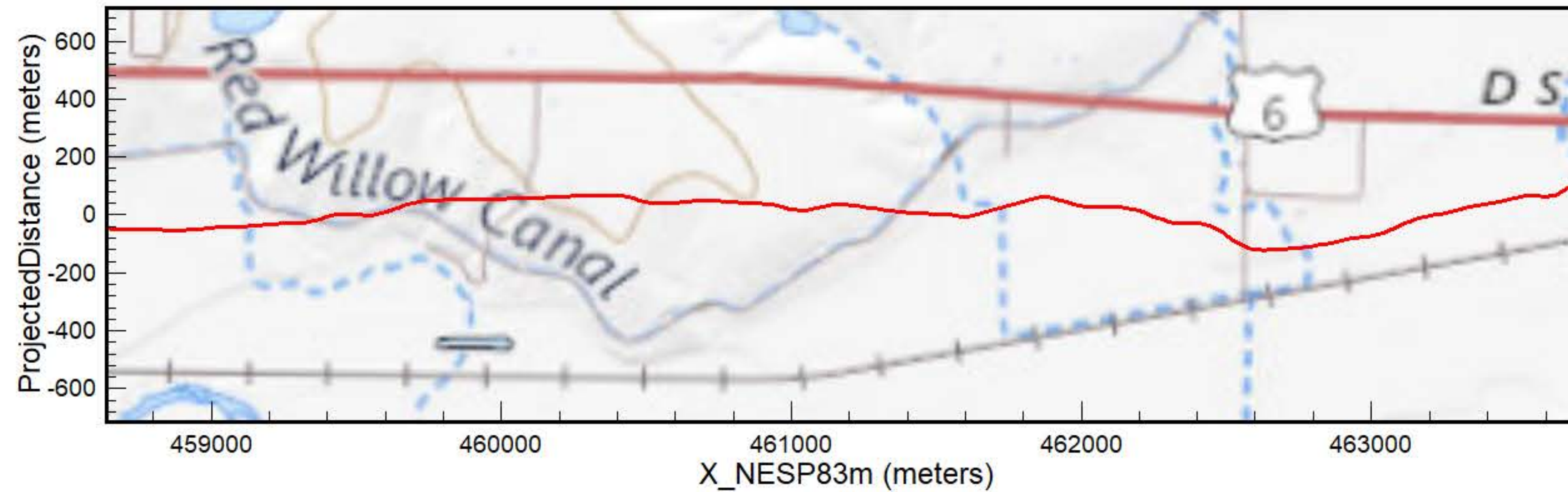
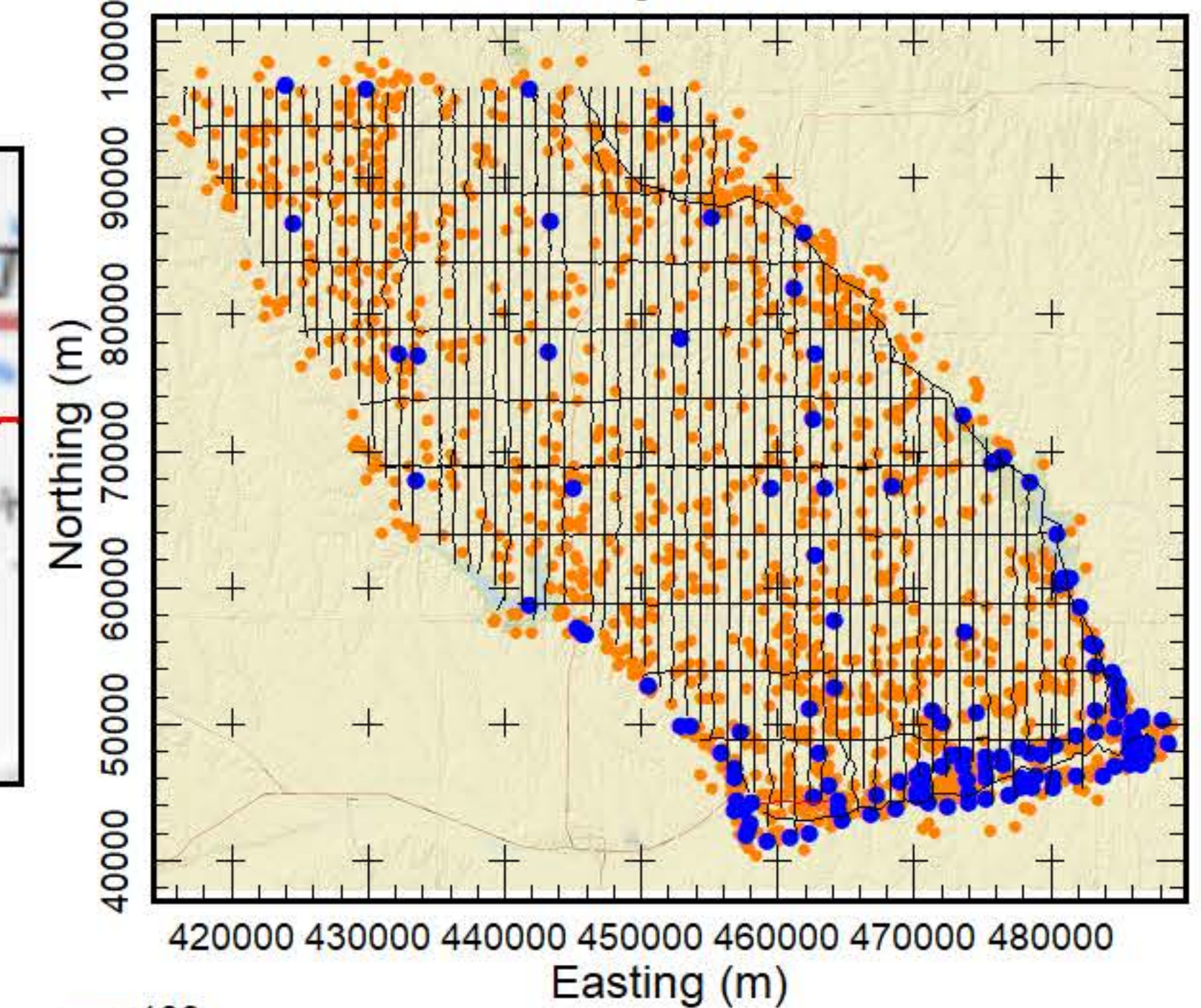
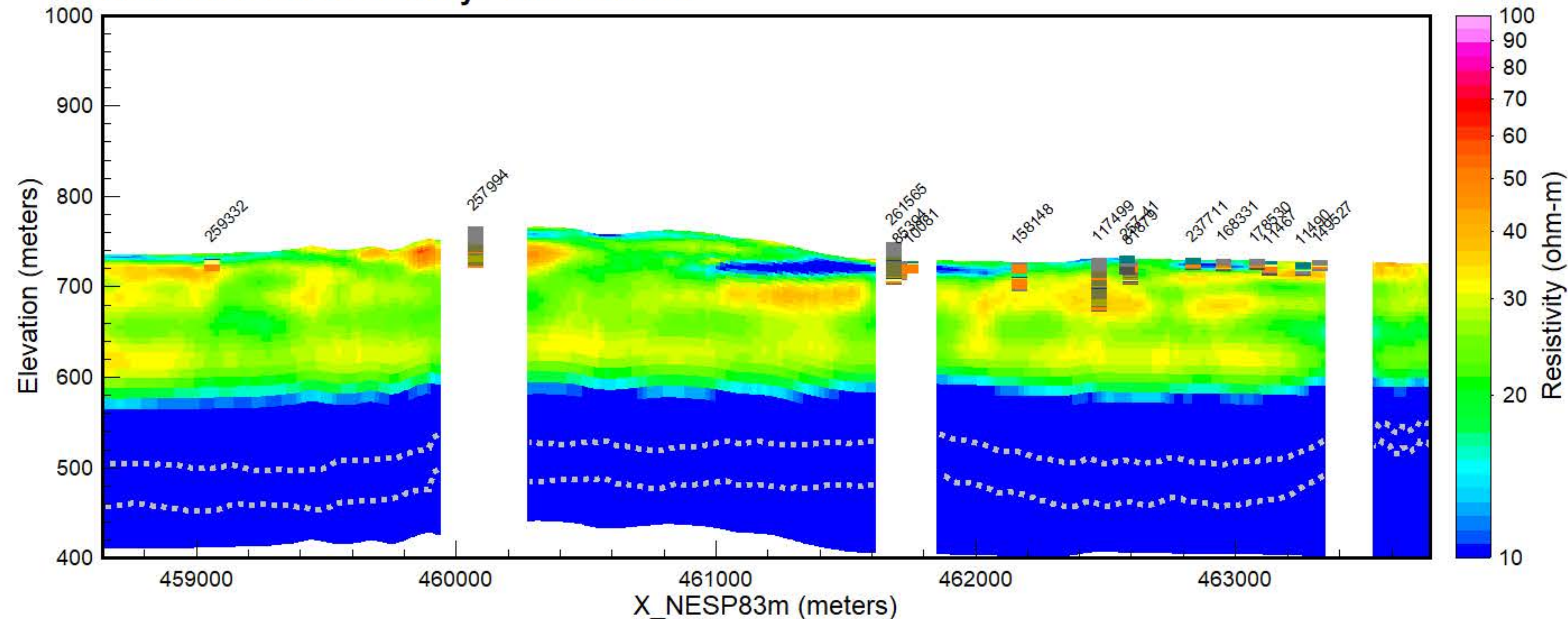
The red line on the Flight Path Map (USGS 100K Topo Map) indicates the location of the data collection.

The MRNRD AEM Survey Area map displays the total survey lines as black lines with the current flight line highlighted in red on a general map of the area. The blue dots represent the Conservation Survey Division (CSD) test holes public website downloaded on June 19, 2022 and the orange dots represent the Nebraska Department of Natural Resources (NE-DNR) Registered well database downloaded June 23, 2022.

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Flight Path Line L600101**MRNRD AEM Survey Area****AEM Inversion Resistivity Line L600101**

Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

The red line on the Flight Path Map (USGS 100K Topo Map) indicates the location of the data collection.

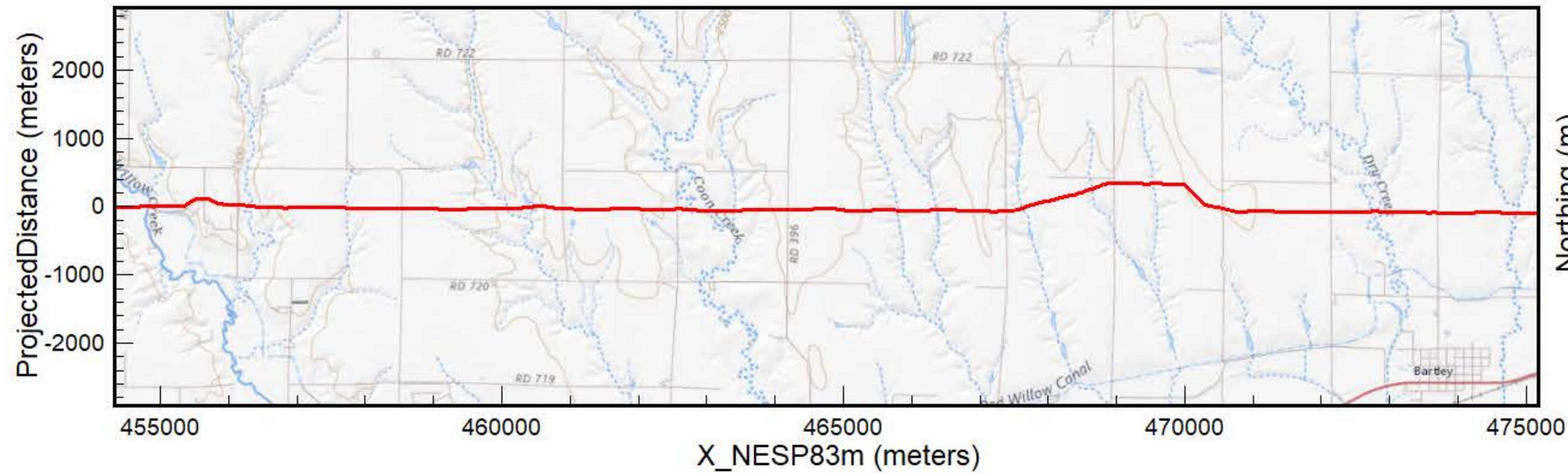
The MRNRD AEM Survey Area map displays the total survey lines as black lines with the current flight line highlighted in red on a general map of the area. The blue dots represent the Conservation Survey Division (CSD) test holes public website downloaded on June 19, 2022 and the orange dots represent the Nebraska Department of Natural Resources (NE-DNR) Registered well database downloaded June 23, 2022.

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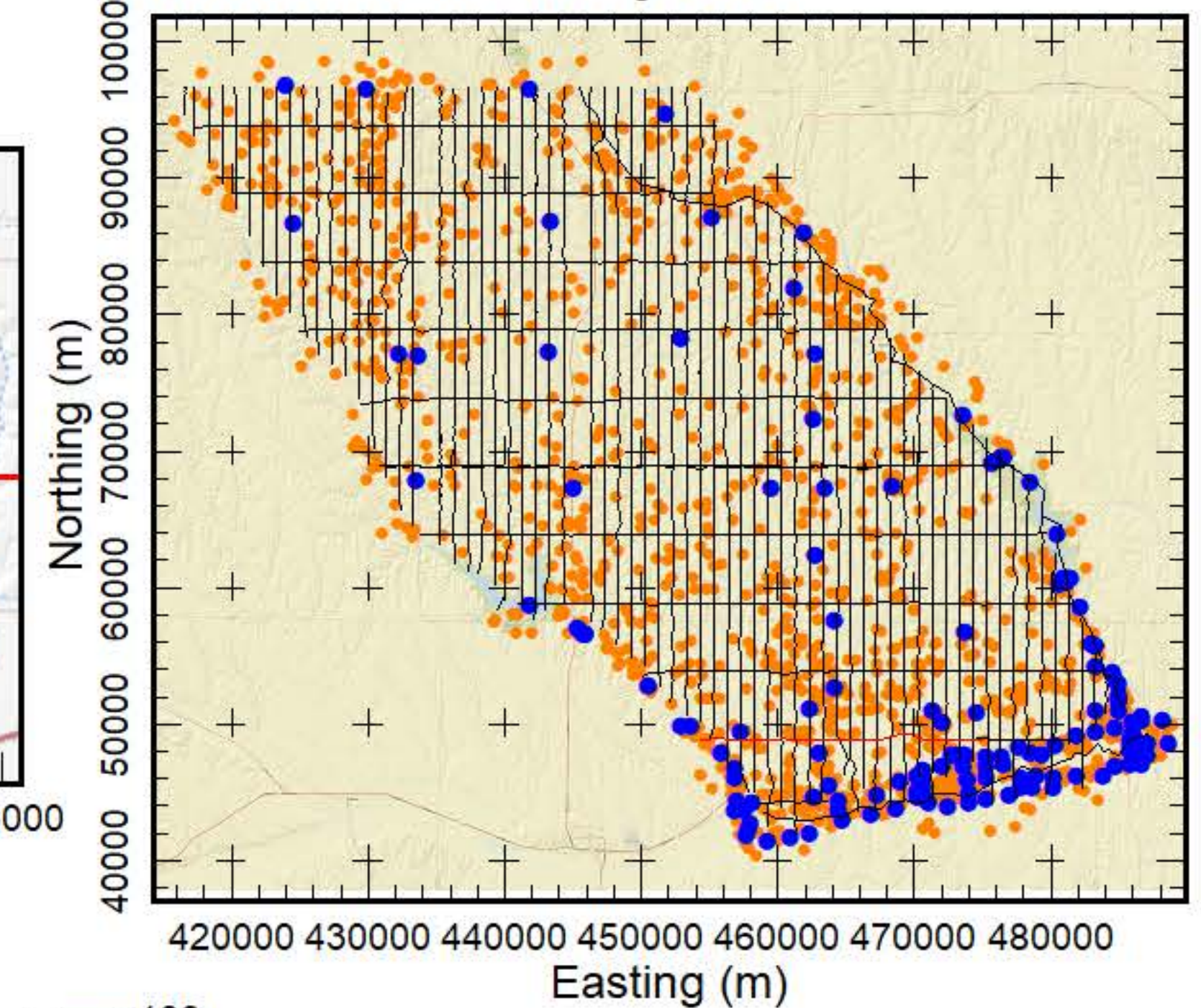
Prepared for the MRNRD by Aqua Geo Frameworks, LLC.



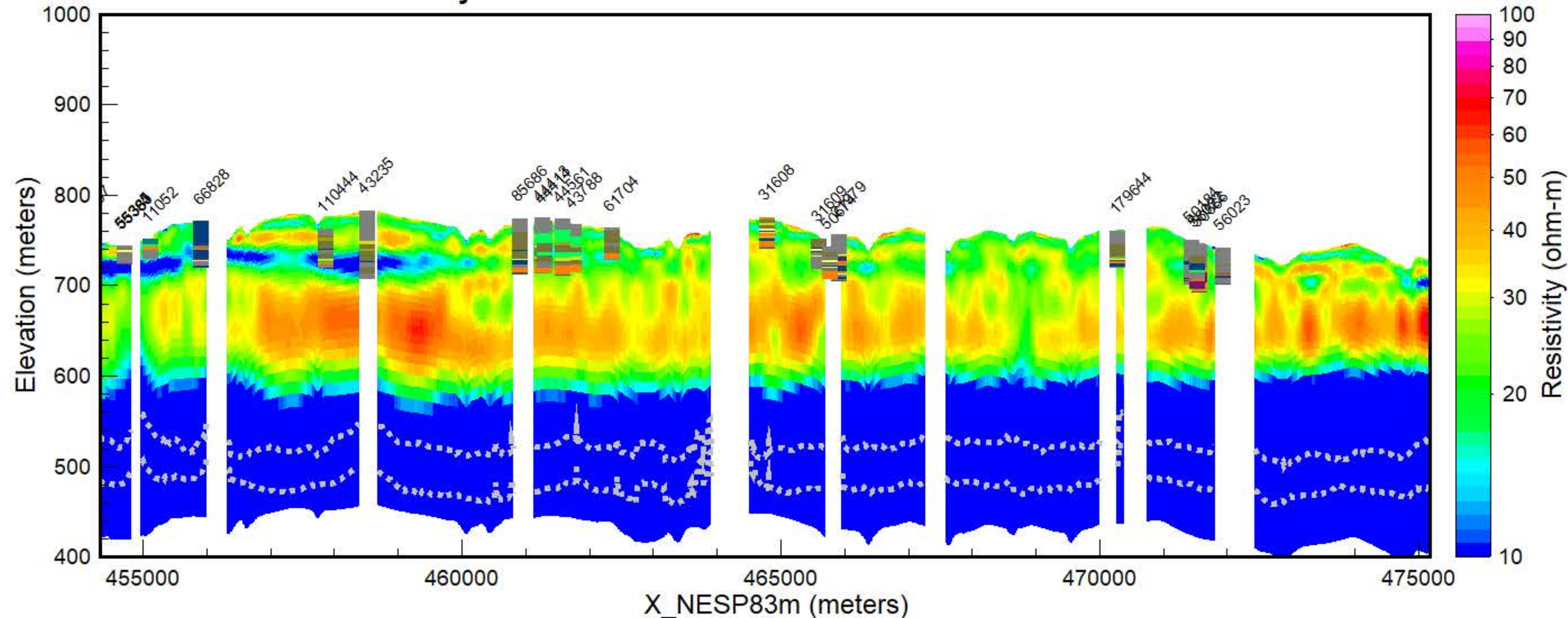
Flight Path Line L600201



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L600201



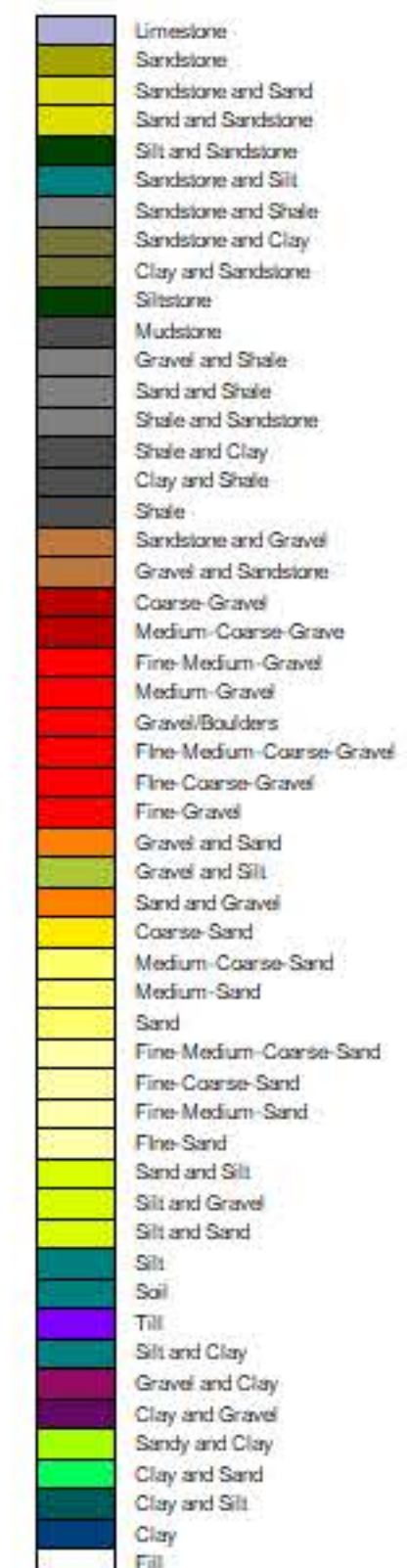
Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

The red line on the Flight Path Map (USGS 100K Topo Map) indicates the location of the data collection.

The MRNRD AEM Survey Area map displays the total survey lines as black lines with the current flight line highlighted in red on a general map of the area. The blue dots represent the Conservation Survey Division (CSD) test holes public website downloaded on June 19, 2022 and the orange dots represent the Nebraska Department of Natural Resources (NE-DNR) Registered well database downloaded June 23, 2022.

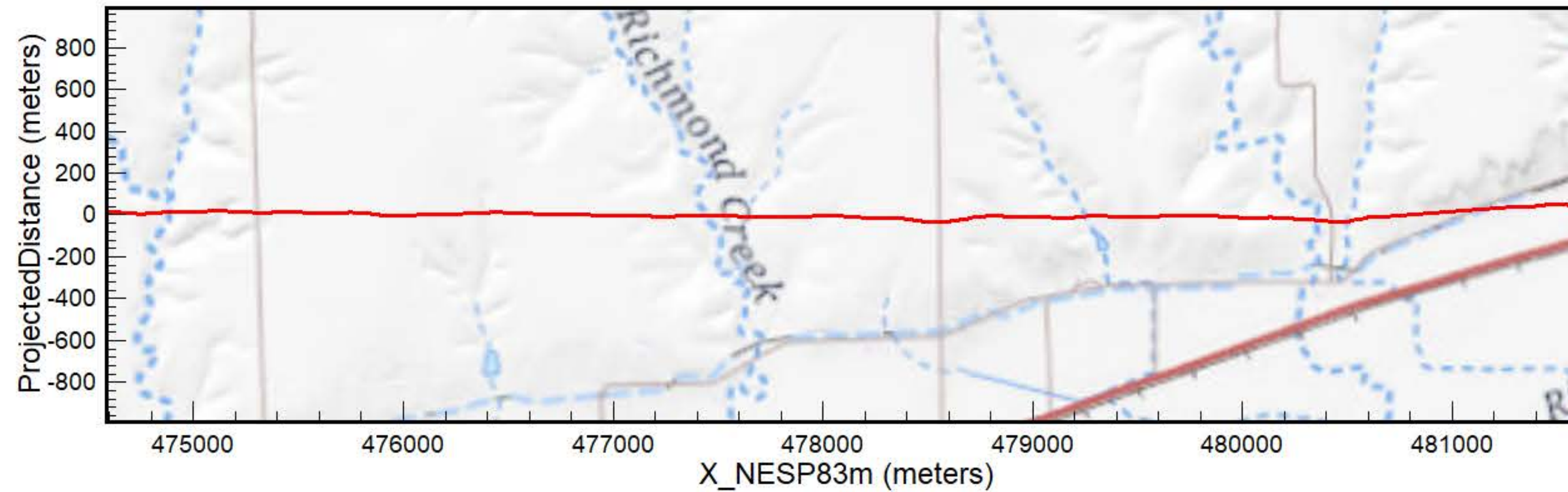
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Prepared for the MRNRD by Aqua Geo Frameworks, LLC.

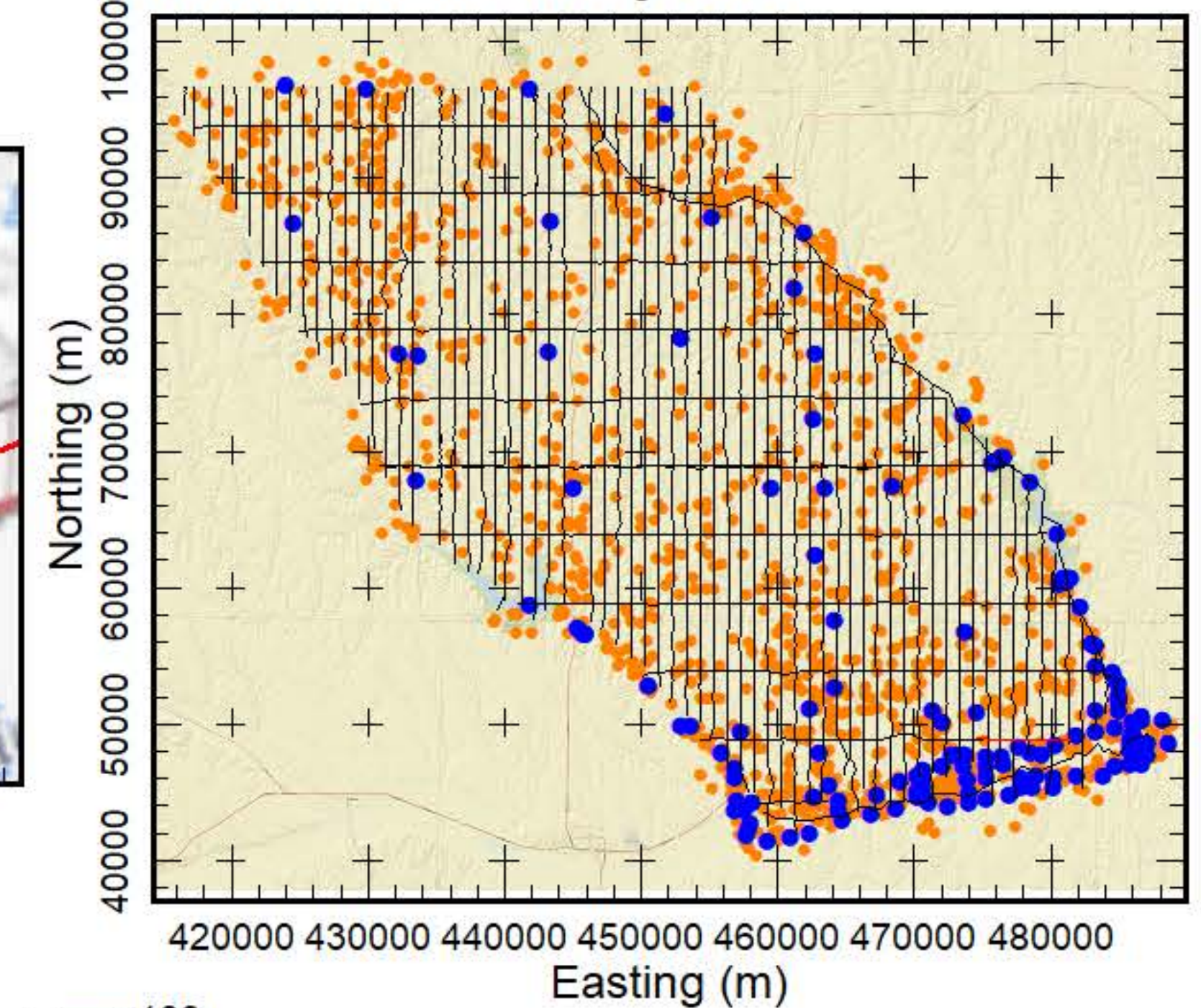




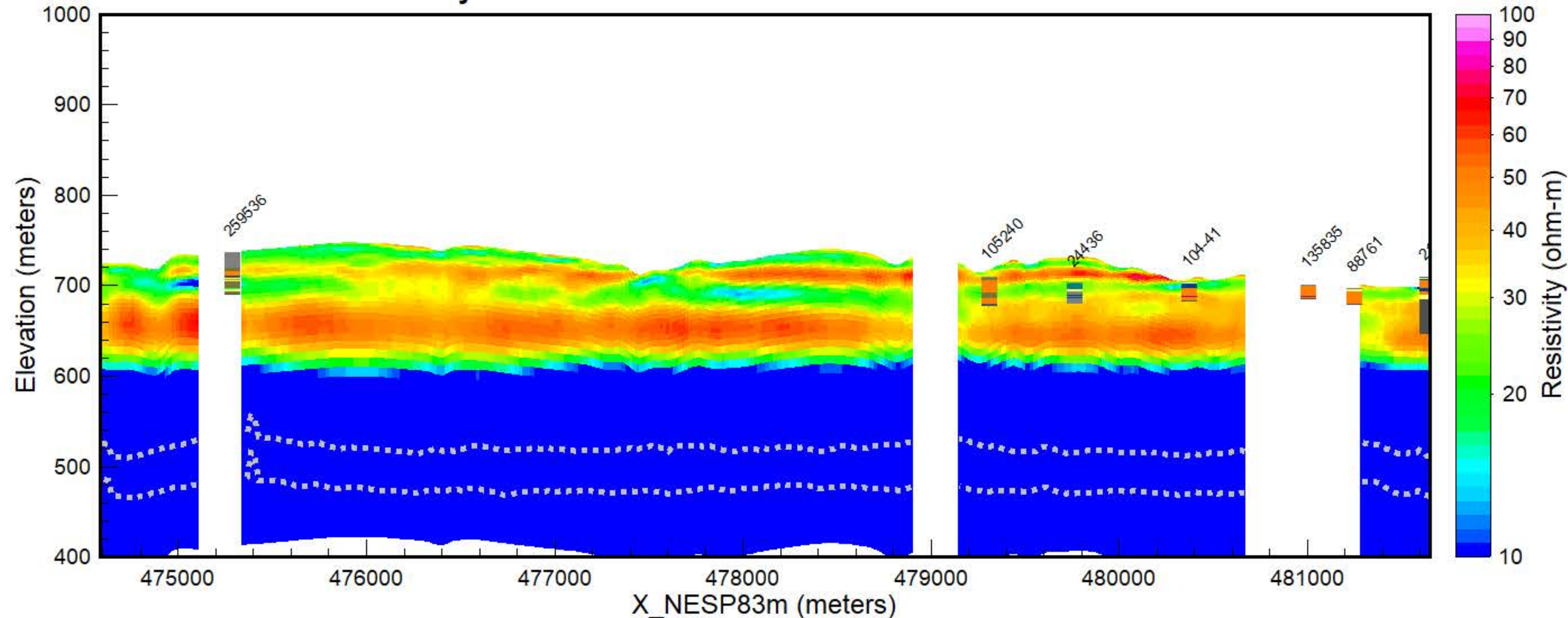
Flight Path Line L600202



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L600202



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

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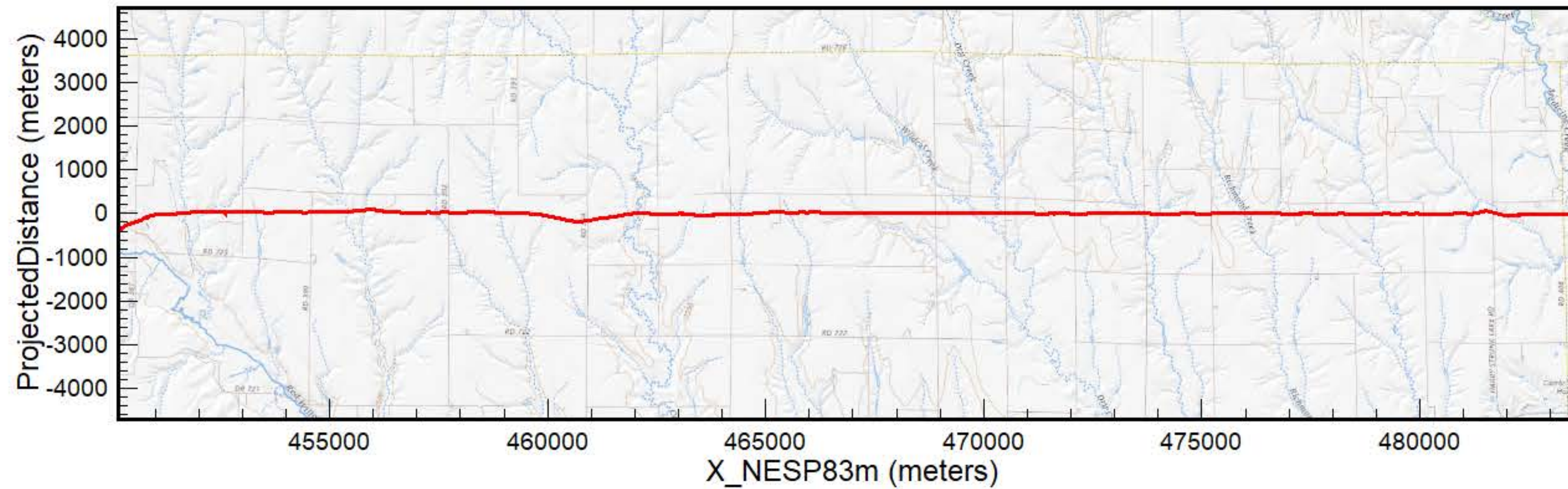
The AEM inversions resistivity shown as profiles are Spatially-Constrained (SCI) using the Aarhus Geo Software Workbench version 6.7.0.0 and are displayed in the indicated electrical resistivity color scale. Boreholes CSD and NE-DNR displayed on the AEM inversion profile are within 500 meters of the flight line. Lithology is indicated by the legend. Gray-dashed lines when visible on the AEM inversions profile indicate the estimated depth of investigation (DOI). White gaps in the AEM inversion profile indicate gaps in data coverage due to electromagnetic coupling or areas that were not flown due to infrastructure.

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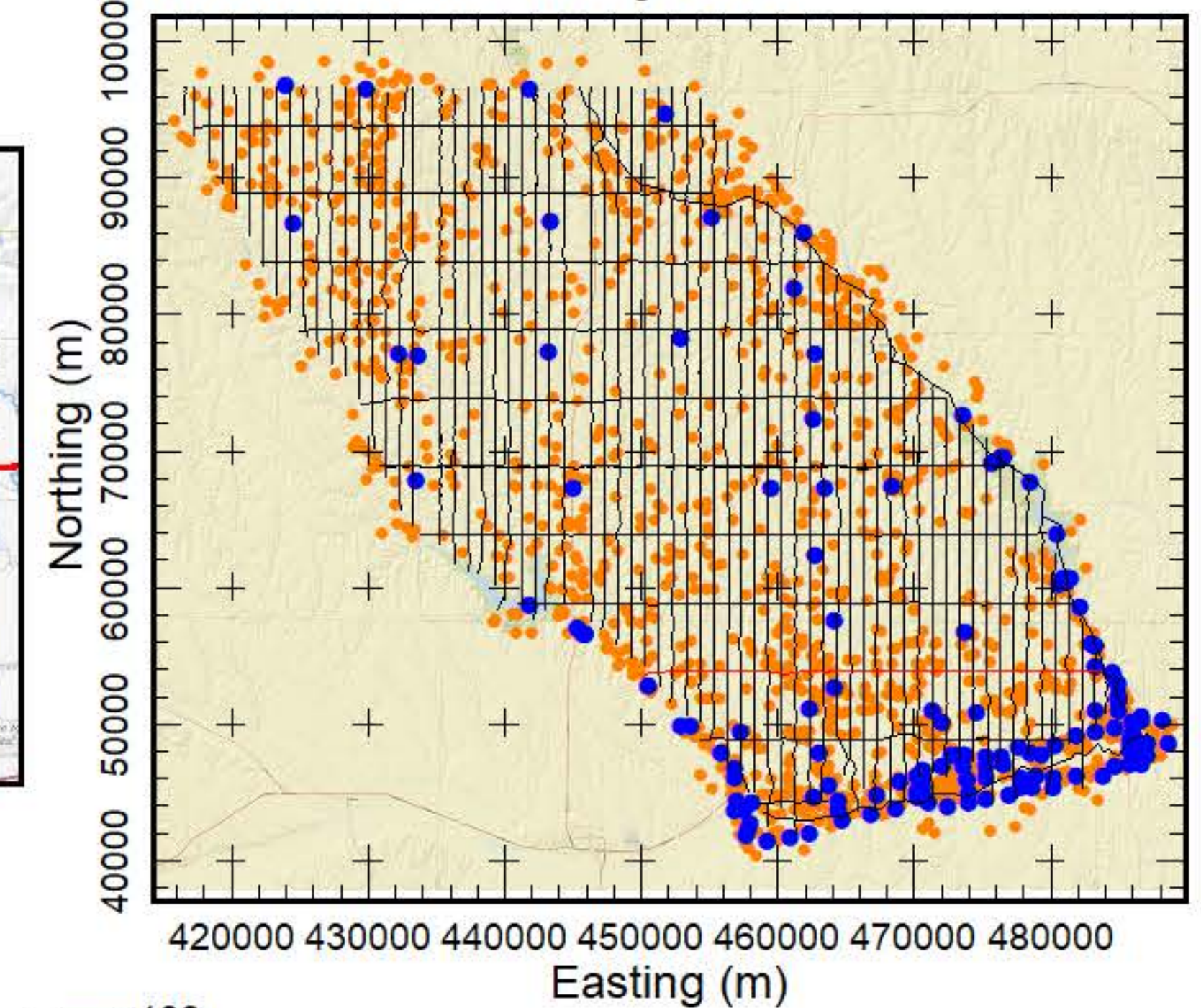




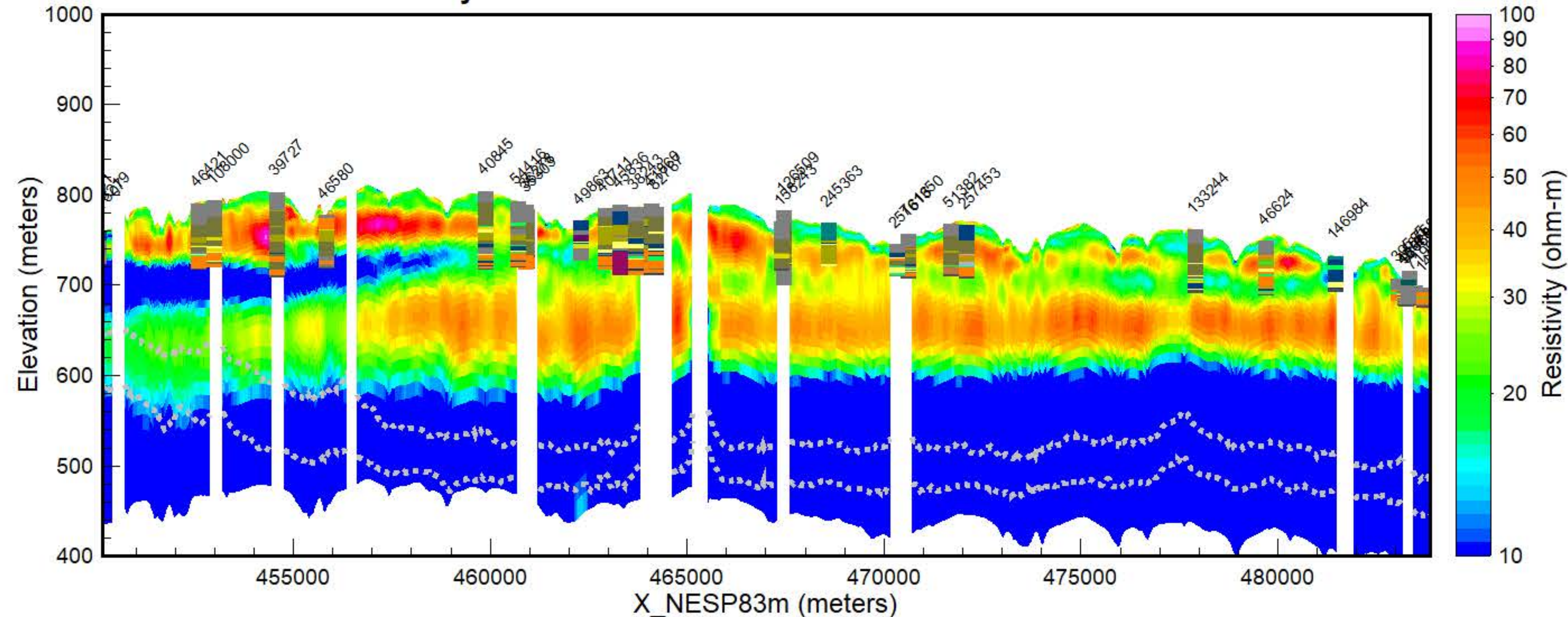
Flight Path Line L600302



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L600302



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

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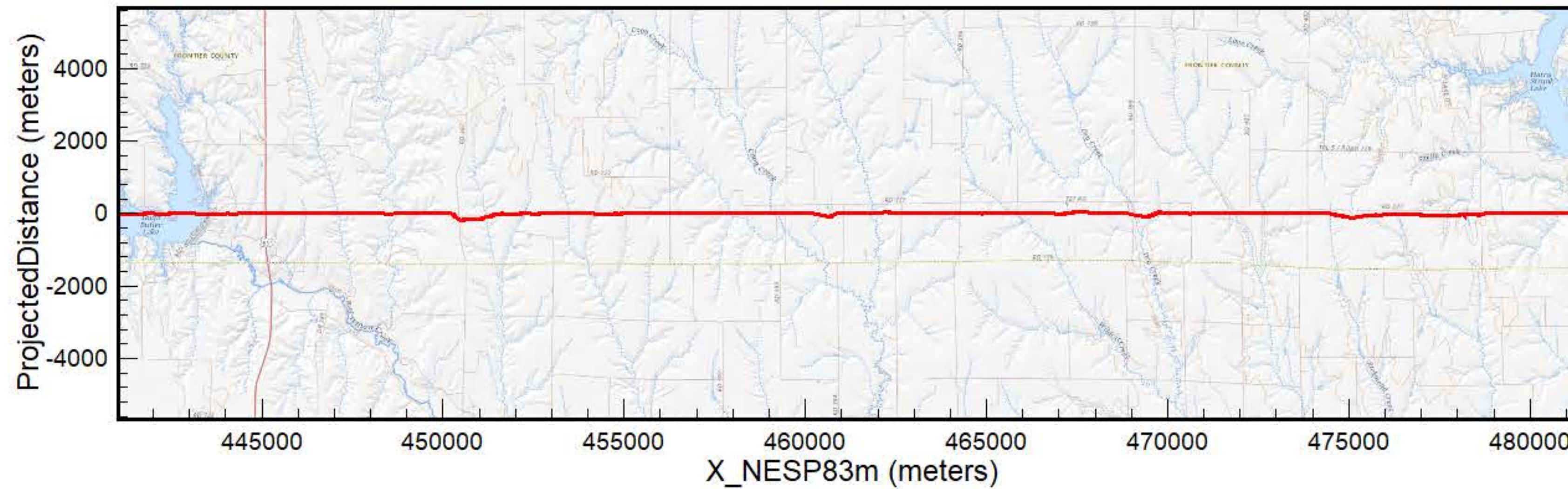
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Prepared for the MRNRD by Aqua Geo Frameworks, LLC.

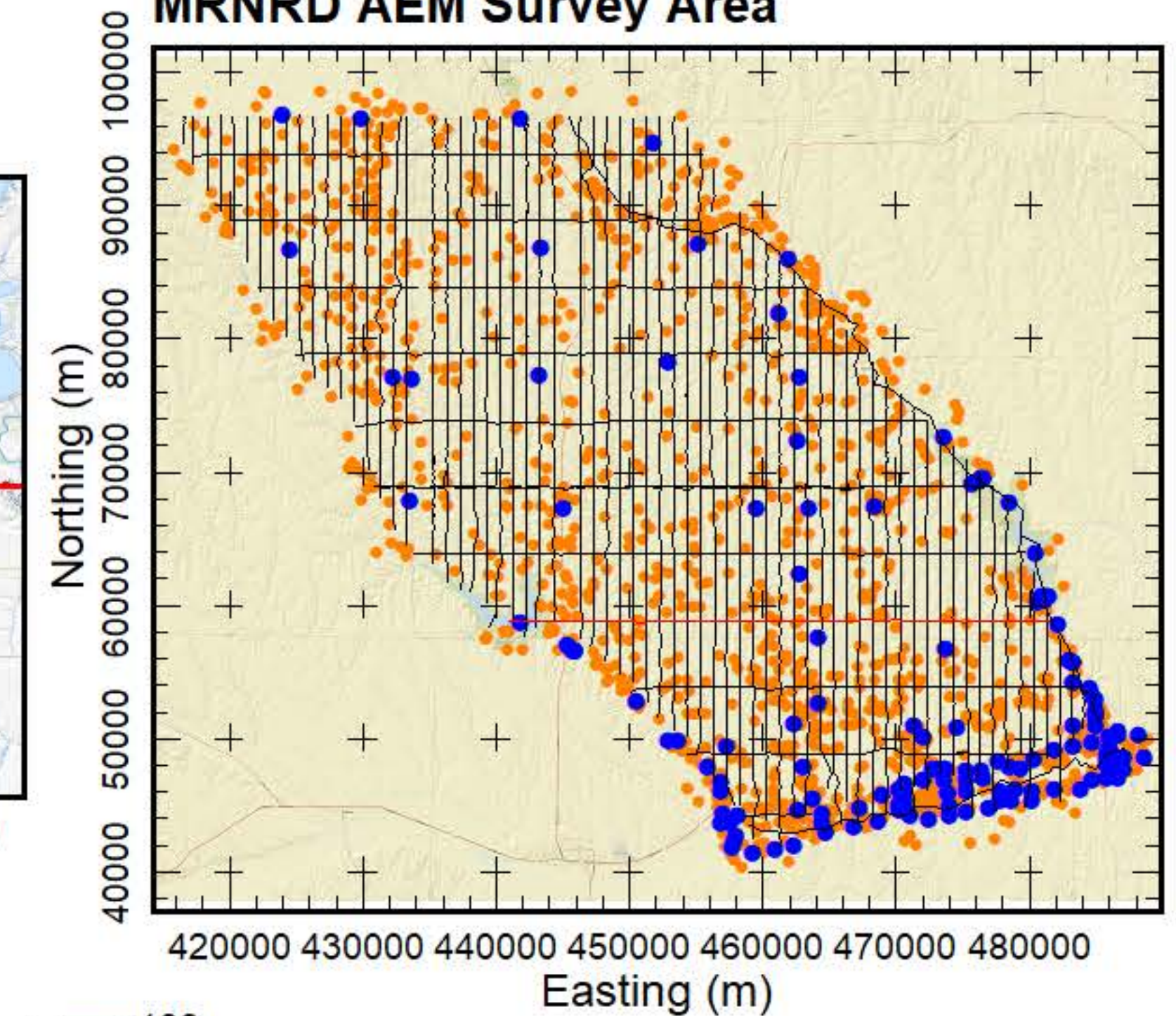




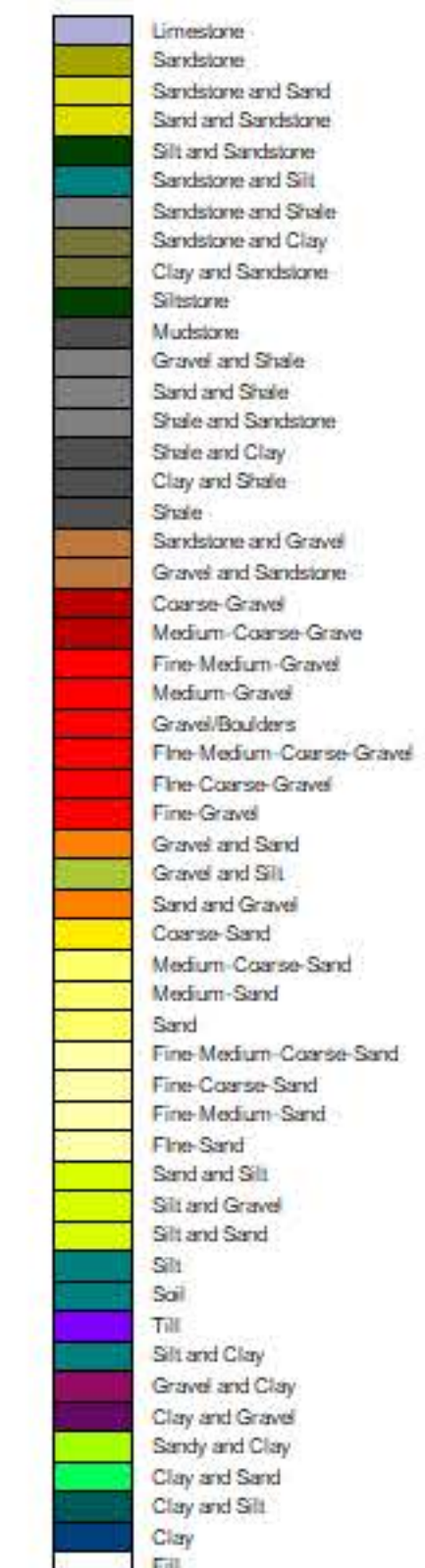
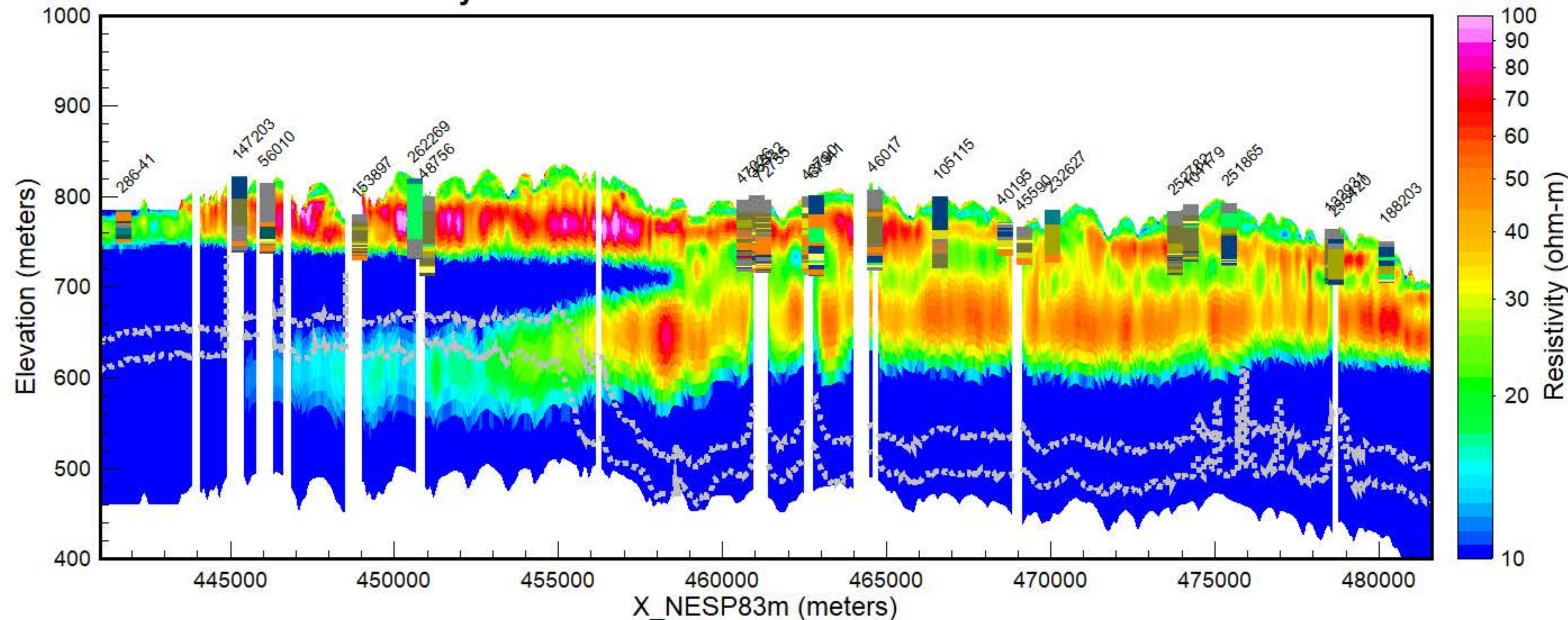
Flight Path Line L600401



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L600401



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

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The MRNRD AEM Survey Area map displays the total survey lines as black lines with the current flight line highlighted in red on a general map of the area. The blue dots represent the Conservation Survey Division (CSD) test holes public website downloaded on June 19, 2022 and the orange dots represent the Nebraska Department of Natural Resources (NE-DNR) Registered well database downloaded June 23, 2022.

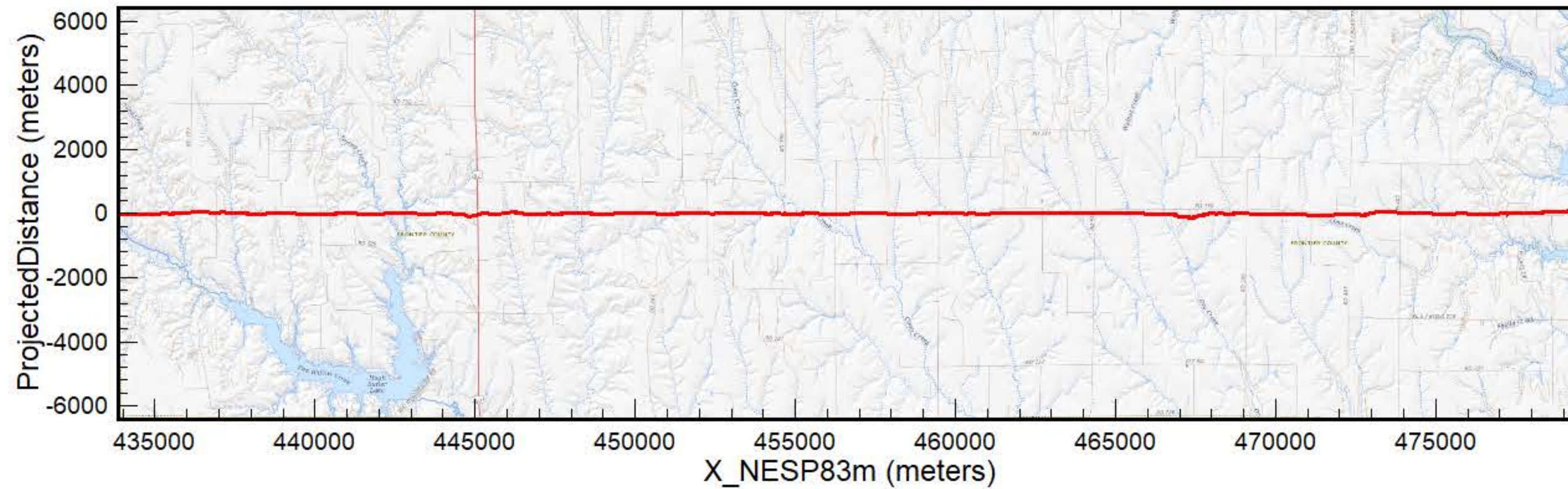
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Prepared for the MRNRD by Aqua Geo Frameworks, LLC.

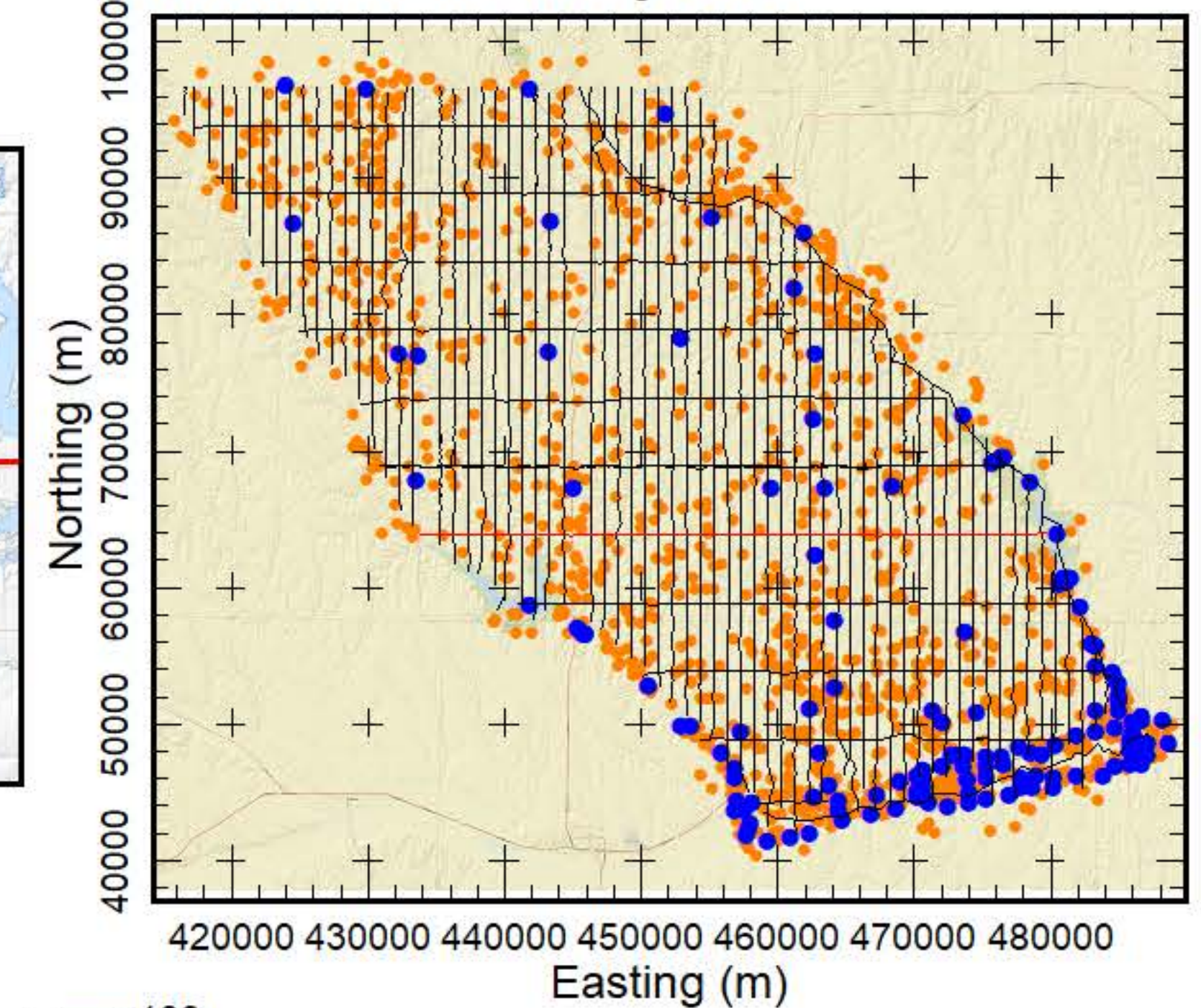




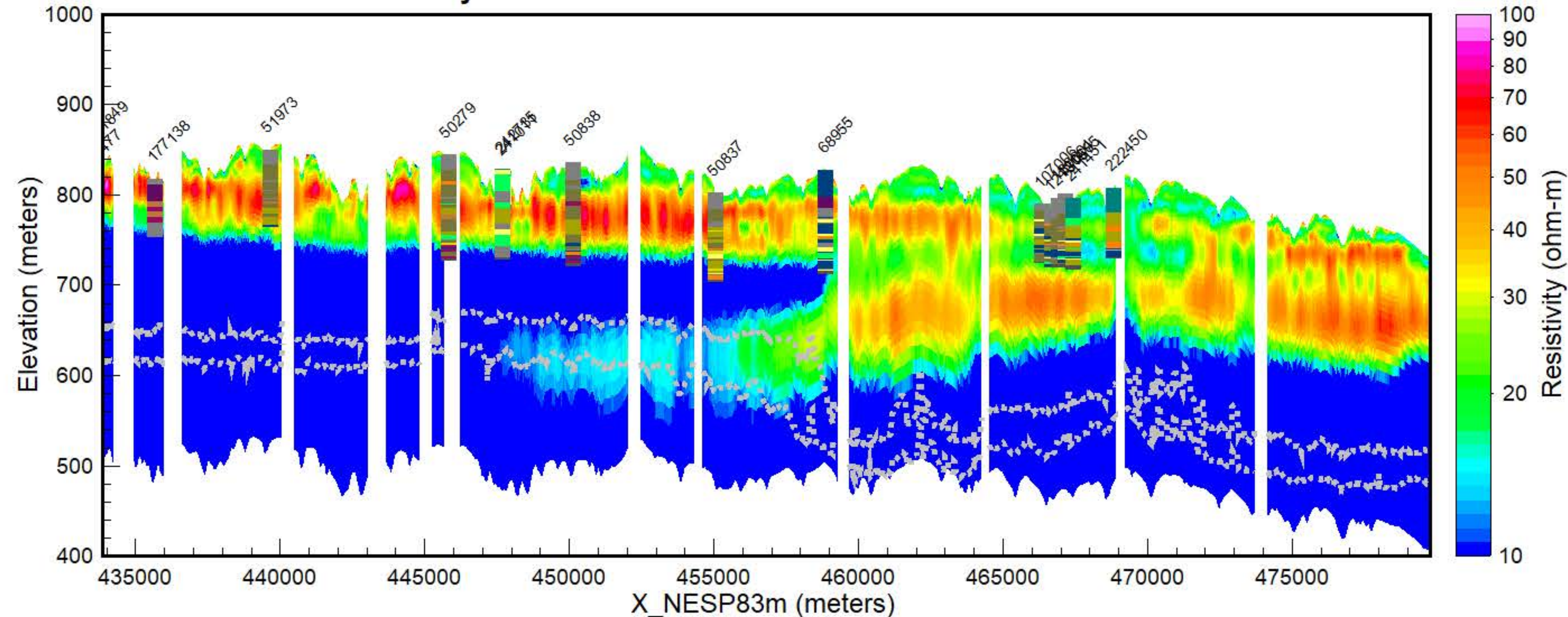
Flight Path Line L600501



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L600501



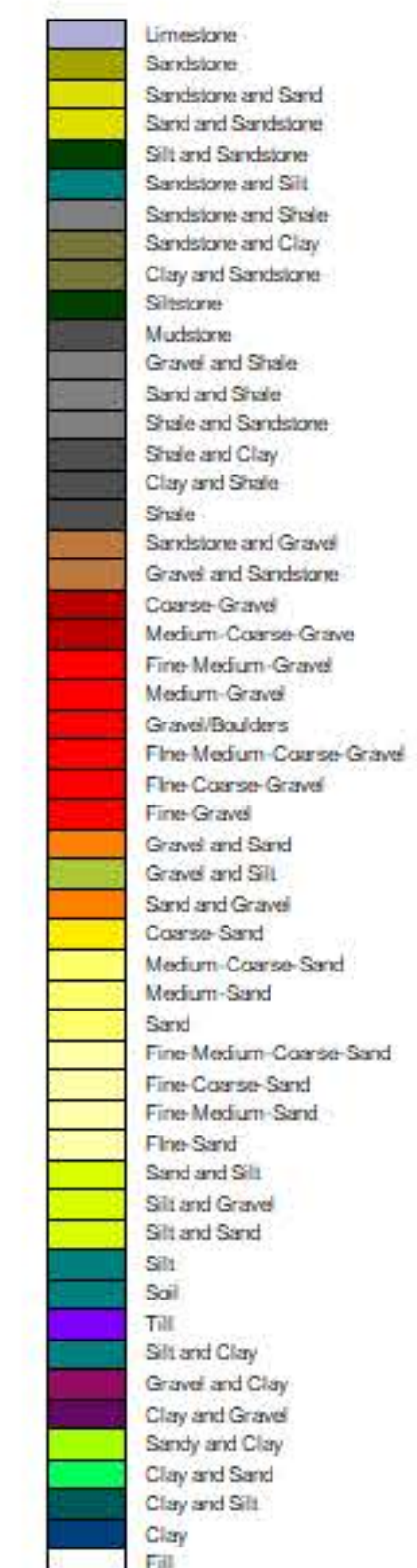
Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

The red line on the Flight Path Map (USGS 100K Topo Map) indicates the location of the data collection.

The MRNRD AEM Survey Area map displays the total survey lines as black lines with the current flight line highlighted in red on a general map of the area. The blue dots represent the Conservation Survey Division (CSD) test holes public website downloaded on June 19, 2022 and the orange dots represent the Nebraska Department of Natural Resources (NE-DNR) Registered well database downloaded June 23, 2022.

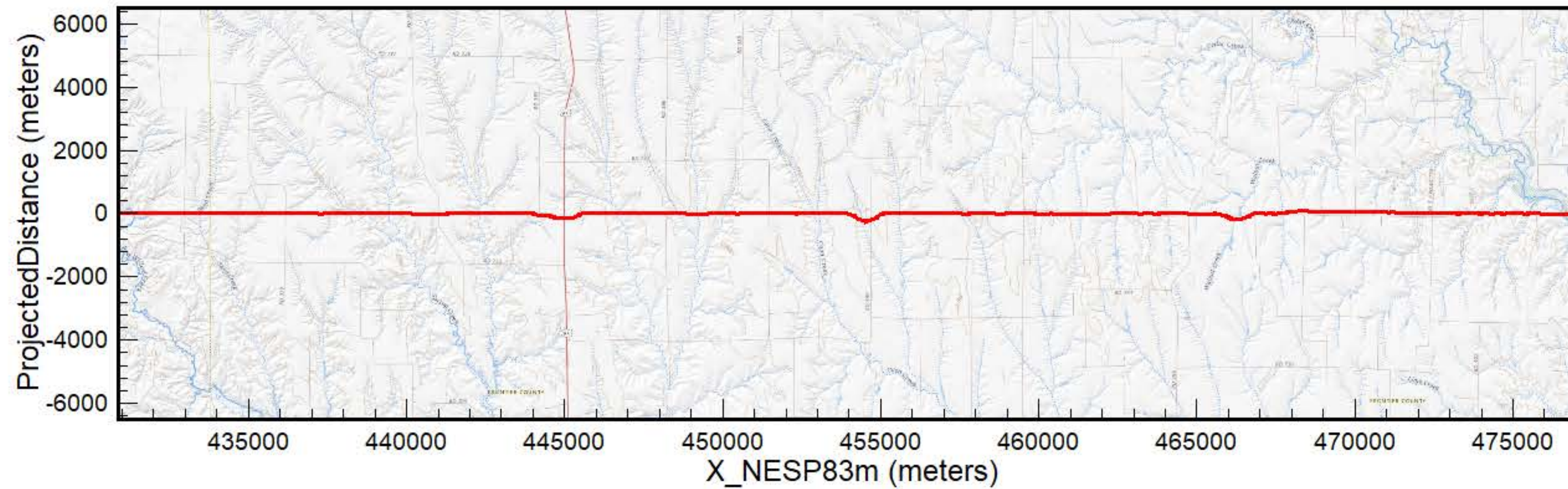
The AEM inversions resistivity shown as profiles are Spatially-Constrained (SCI) using the Aarhus Geo Software Workbench version 6.7.0.0 and are displayed in the indicated electrical resistivity color scale. Boreholes CSD and NE-DNR displayed on the AEM inversion profile are within 500 meters of the flight line. Lithology is indicated by the legend. Gray-dashed lines when visible on the AEM inversions profile indicate the estimated depth of investigation (DOI). White gaps in the AEM inversion profile indicate gaps in data coverage due to electromagnetic coupling or areas that were not flown due to infrastructure.

Prepared for the MRNRD by Aqua Geo Frameworks, LLC.

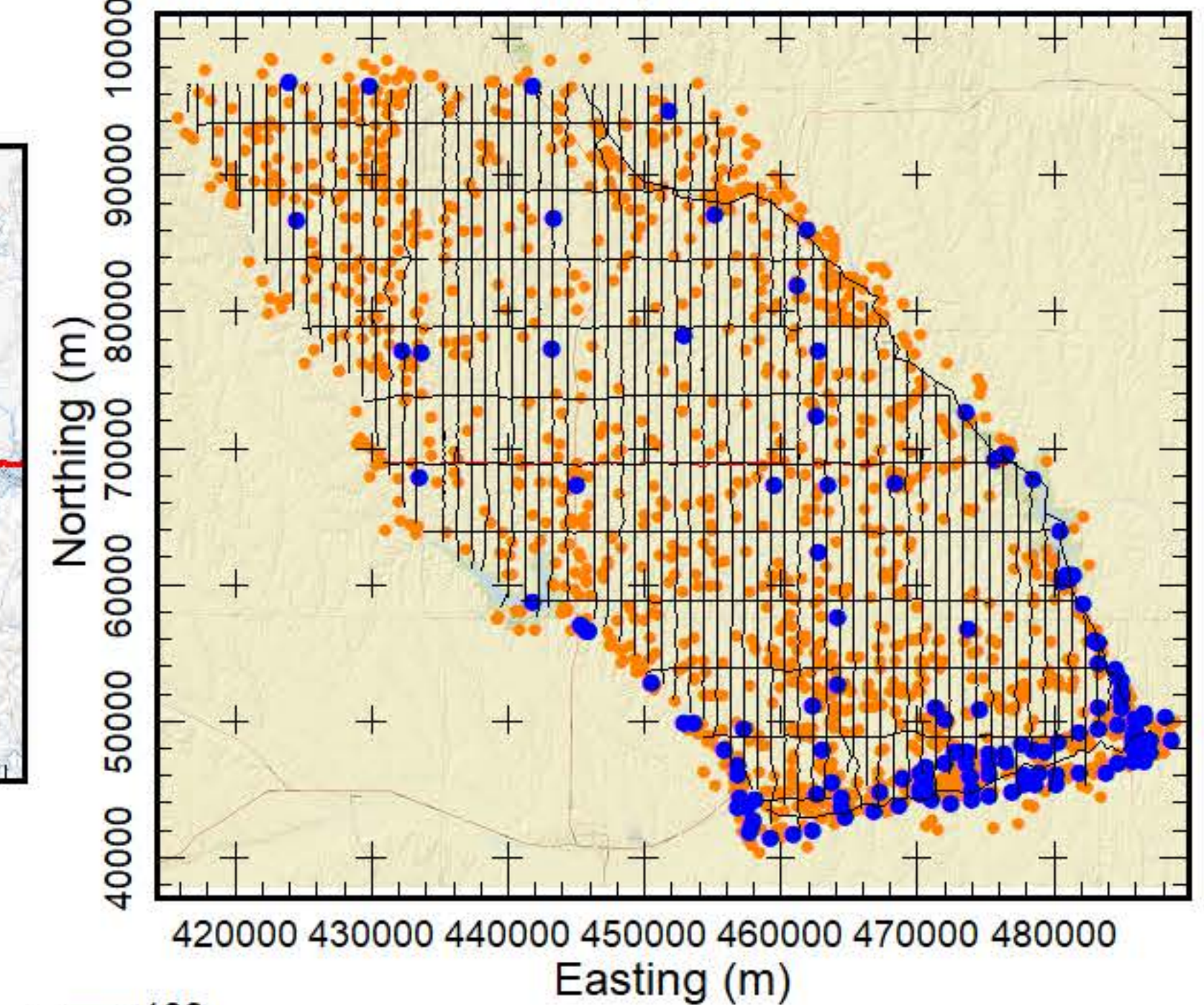




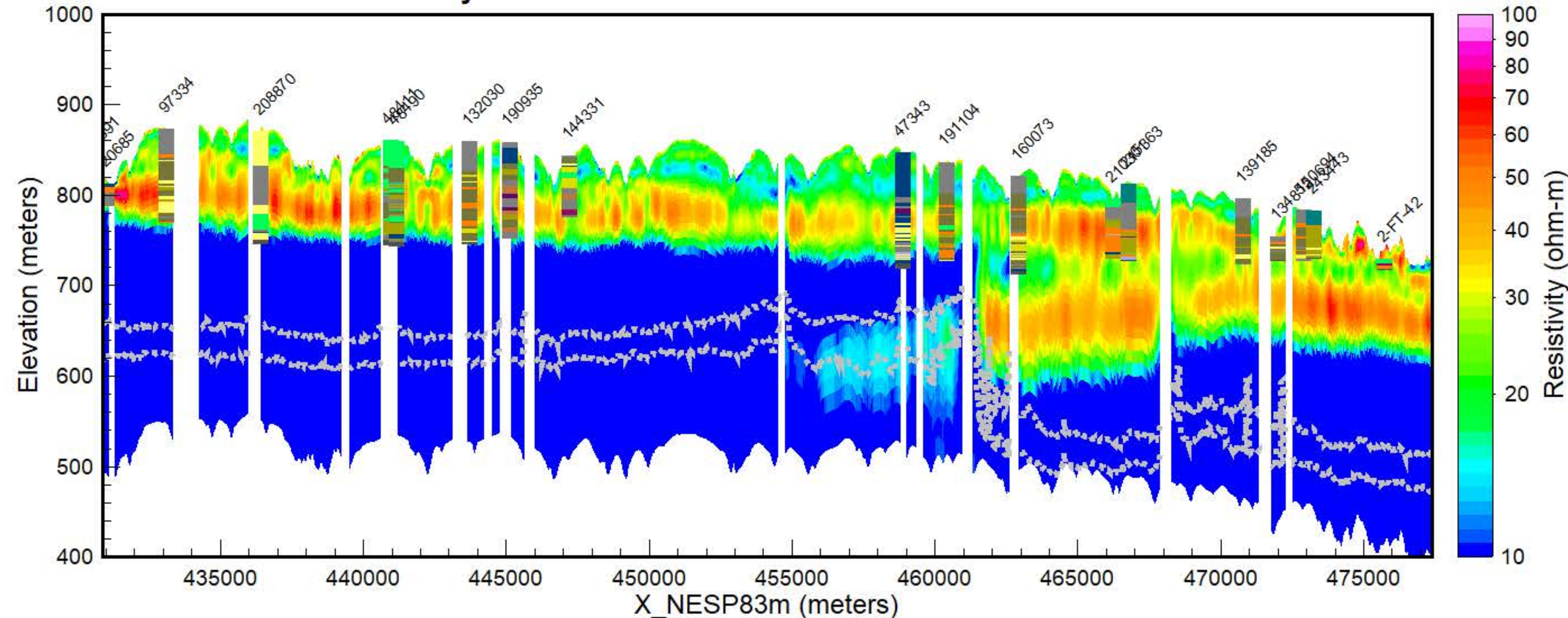
Flight Path Line L600601



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L600601



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

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The MRNRD AEM Survey Area map displays the total survey lines as black lines with the current flight line highlighted in red on a general map of the area. The blue dots represent the Conservation Survey Division (CSD) test holes public website downloaded on June 19, 2022 and the orange dots represent the Nebraska Department of Natural Resources (NE-DNR) Registered well database downloaded June 23, 2022.

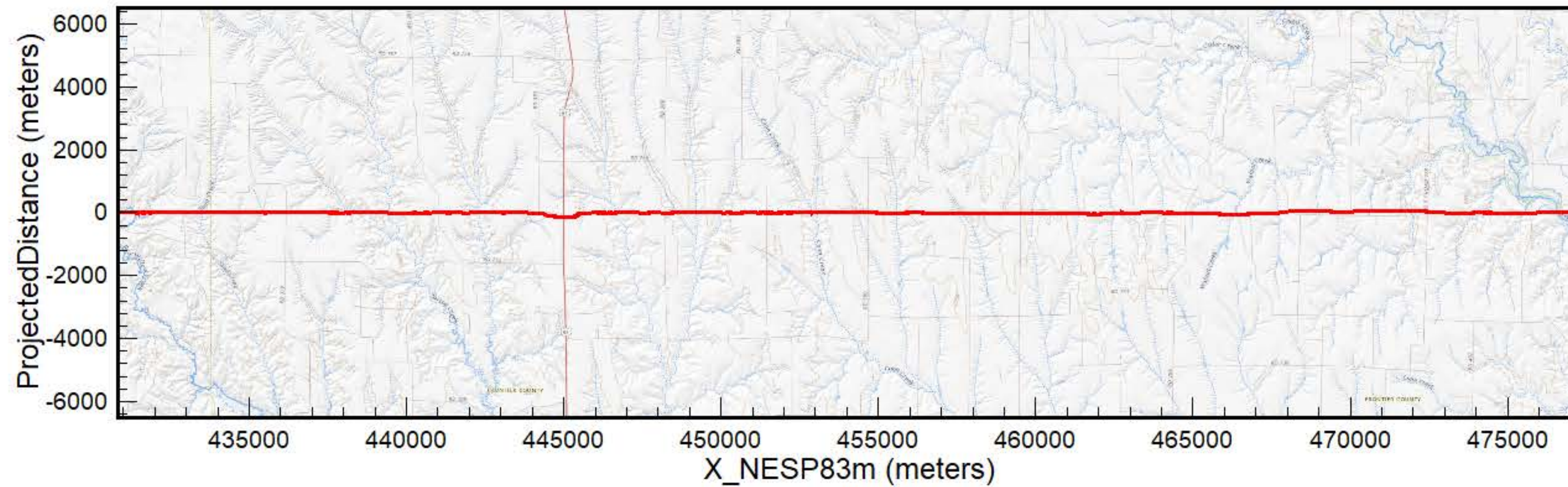
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Prepared for the MRNRD by Aqua Geo Frameworks, LLC.

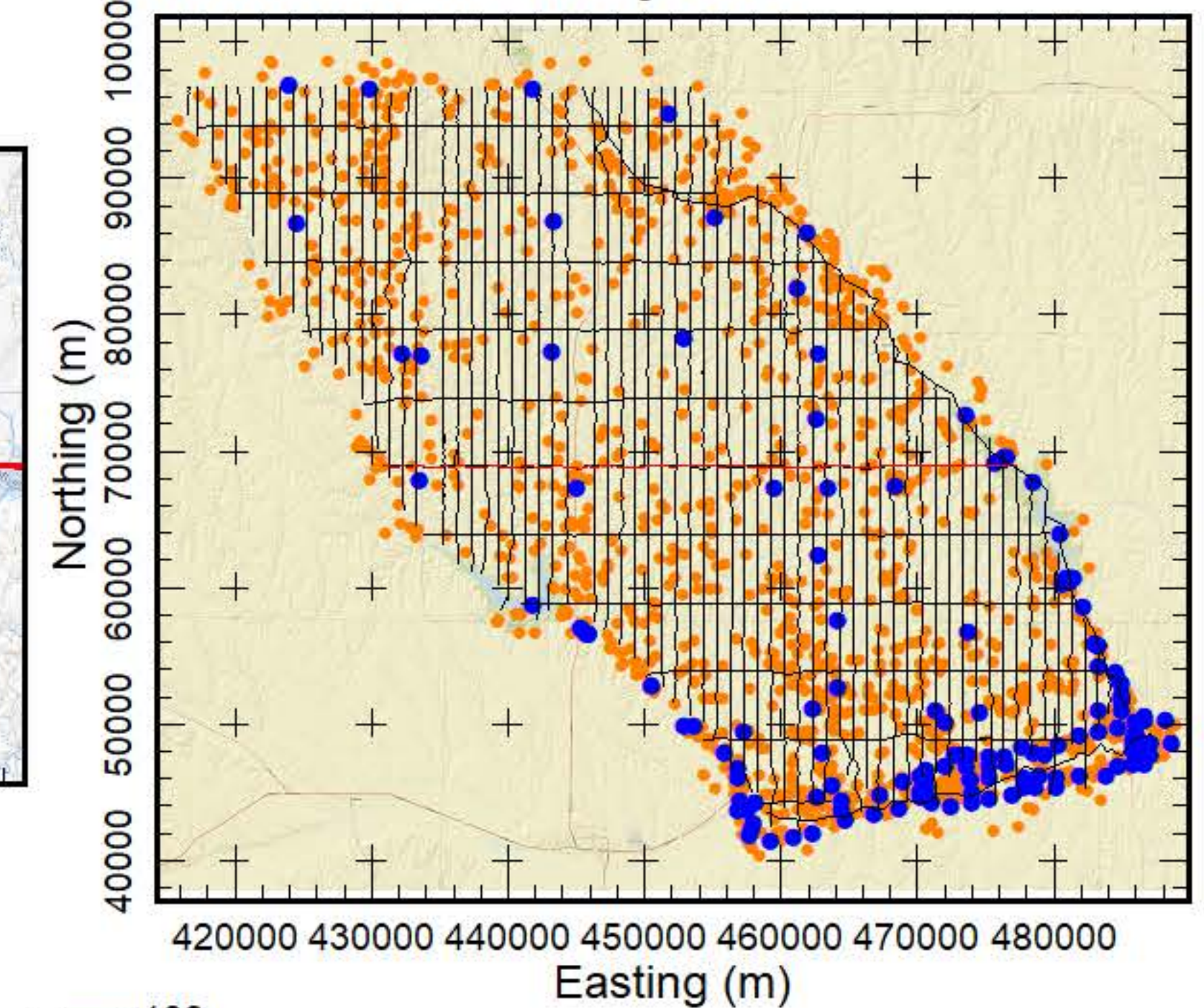




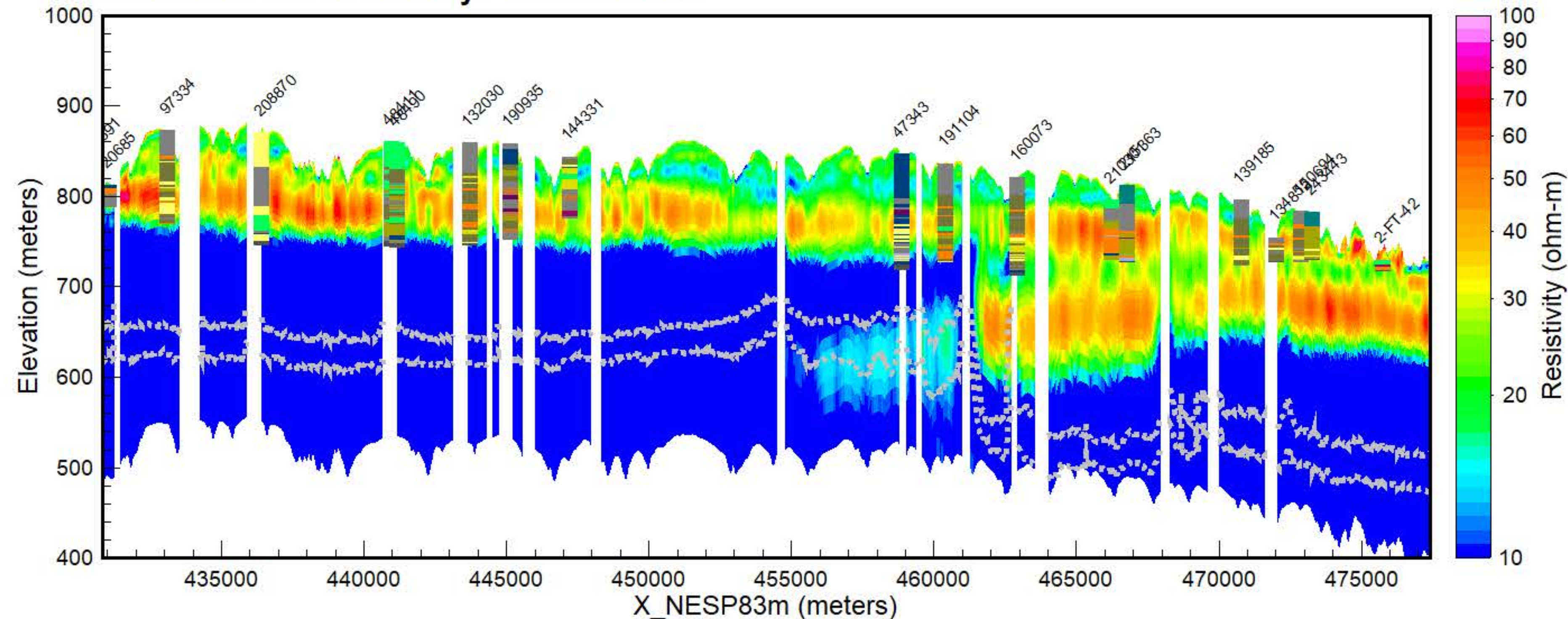
Flight Path Line L600602



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L600602



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

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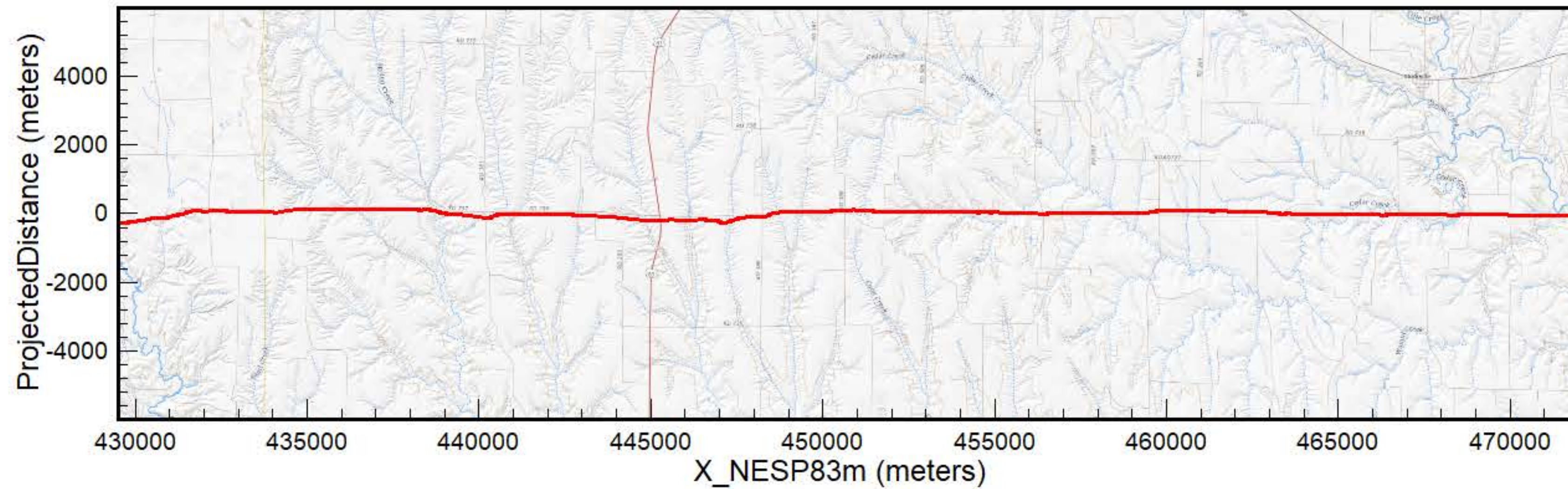
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Prepared for the MRNRD by Aqua Geo Frameworks, LLC.

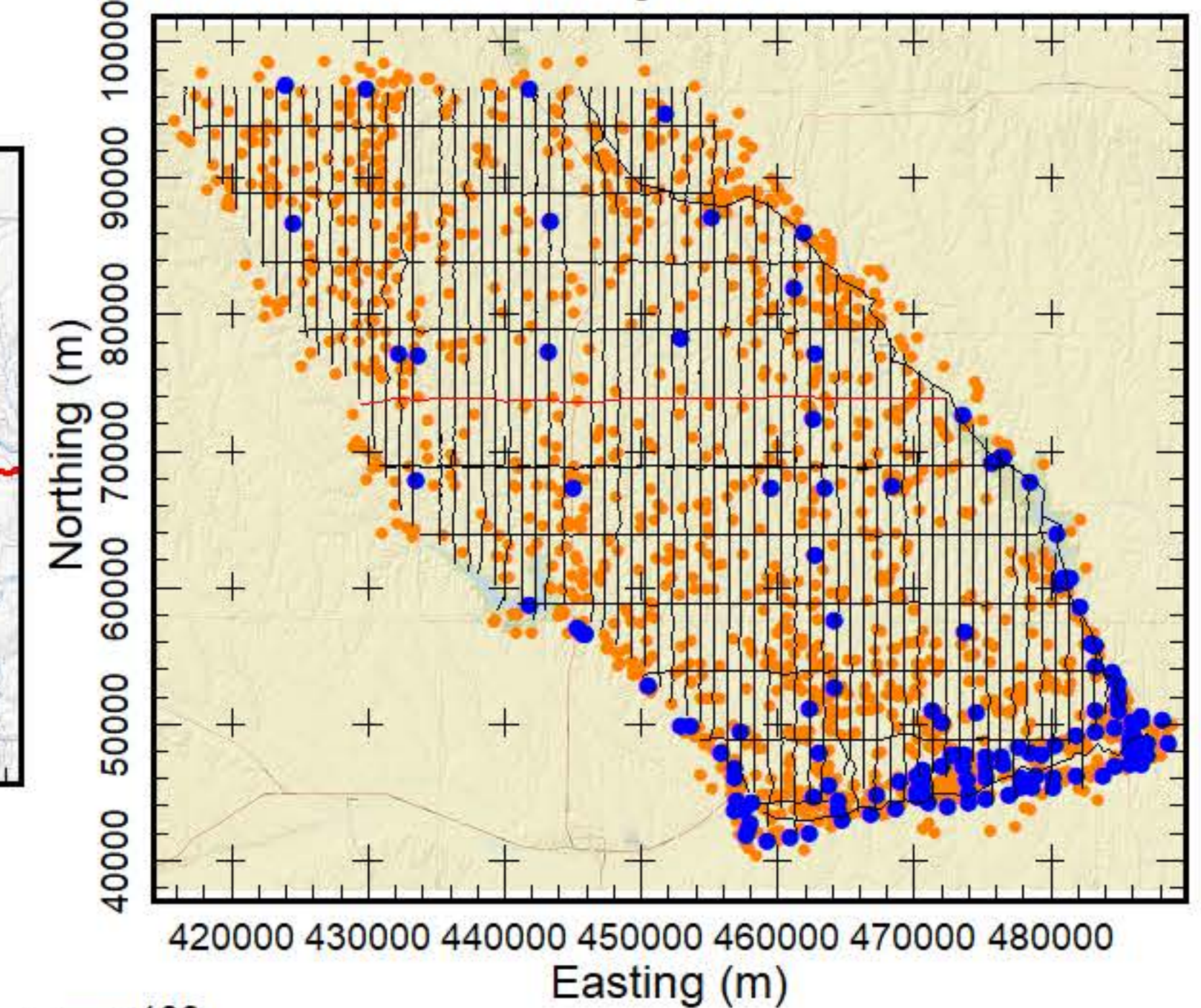




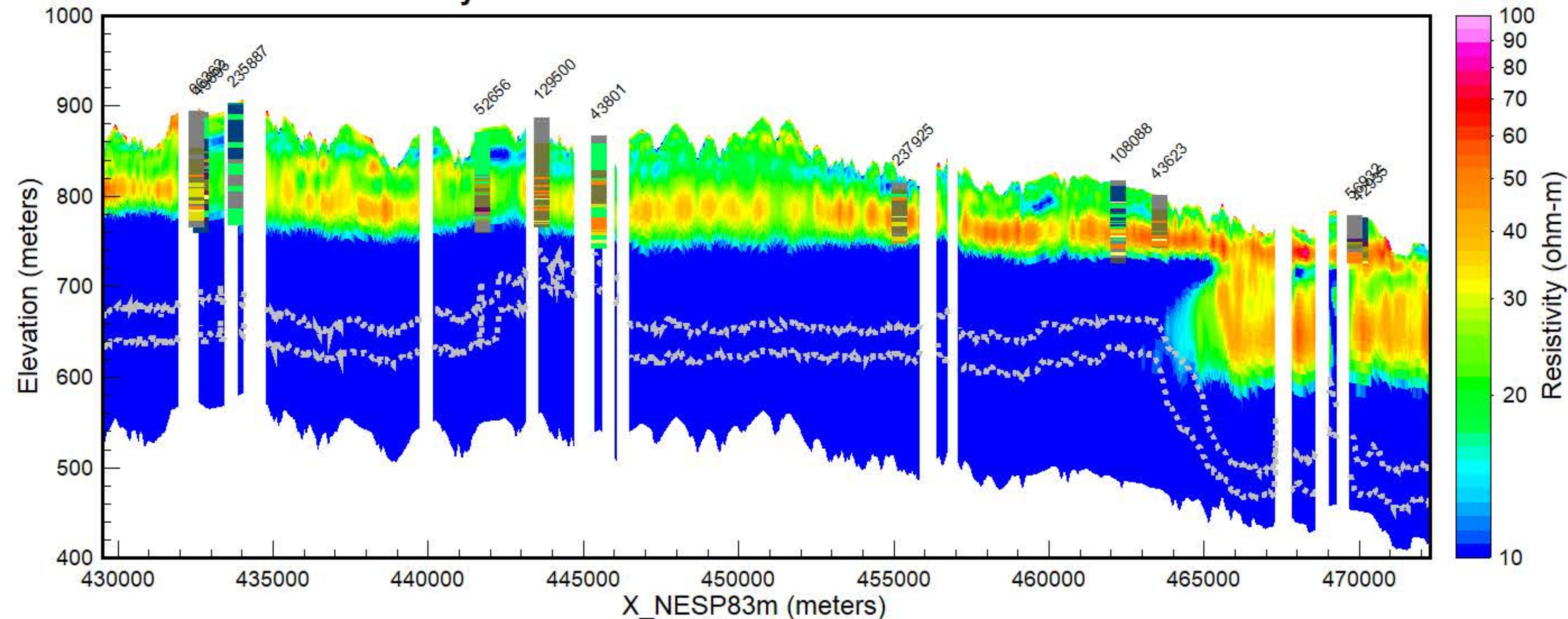
Flight Path Line L600701



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L600701



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

The red line on the Flight Path Map (USGS 100K Topo Map) indicates the location of the data collection.

The MRNRD AEM Survey Area map displays the total survey lines as black lines with the current flight line highlighted in red on a general map of the area. The blue dots represent the Conservation Survey Division (CSD) test holes public website downloaded on June 19, 2022 and the orange dots represent the Nebraska Department of Natural Resources (NE-DNR) Registered well database downloaded June 23, 2022.

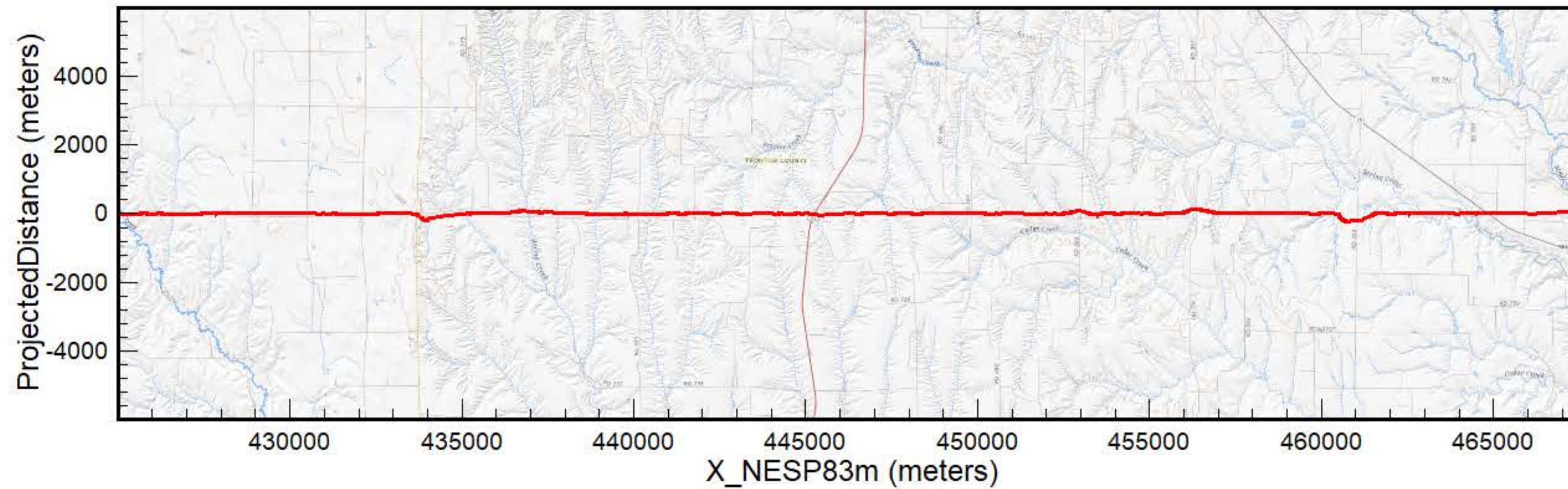
The AEM inversions resistivity shown as profiles are Spatially-Constrained (SCI) using the Aarhus Geo Software Workbench version 6.7.0.0 and are displayed in the indicated electrical resistivity color scale. Boreholes CSD and NE-DNR displayed on the AEM inversion profile are within 500 meters of the flight line. Lithology is indicated by the legend. Gray-dashed lines when visible on the AEM inversions profile indicate the estimated depth of investigation (DOI). White gaps in the AEM inversion profile indicate gaps in data coverage due to electromagnetic coupling or areas that were not flown due to infrastructure.

Prepared for the MRNRD by Aqua Geo Frameworks, LLC.

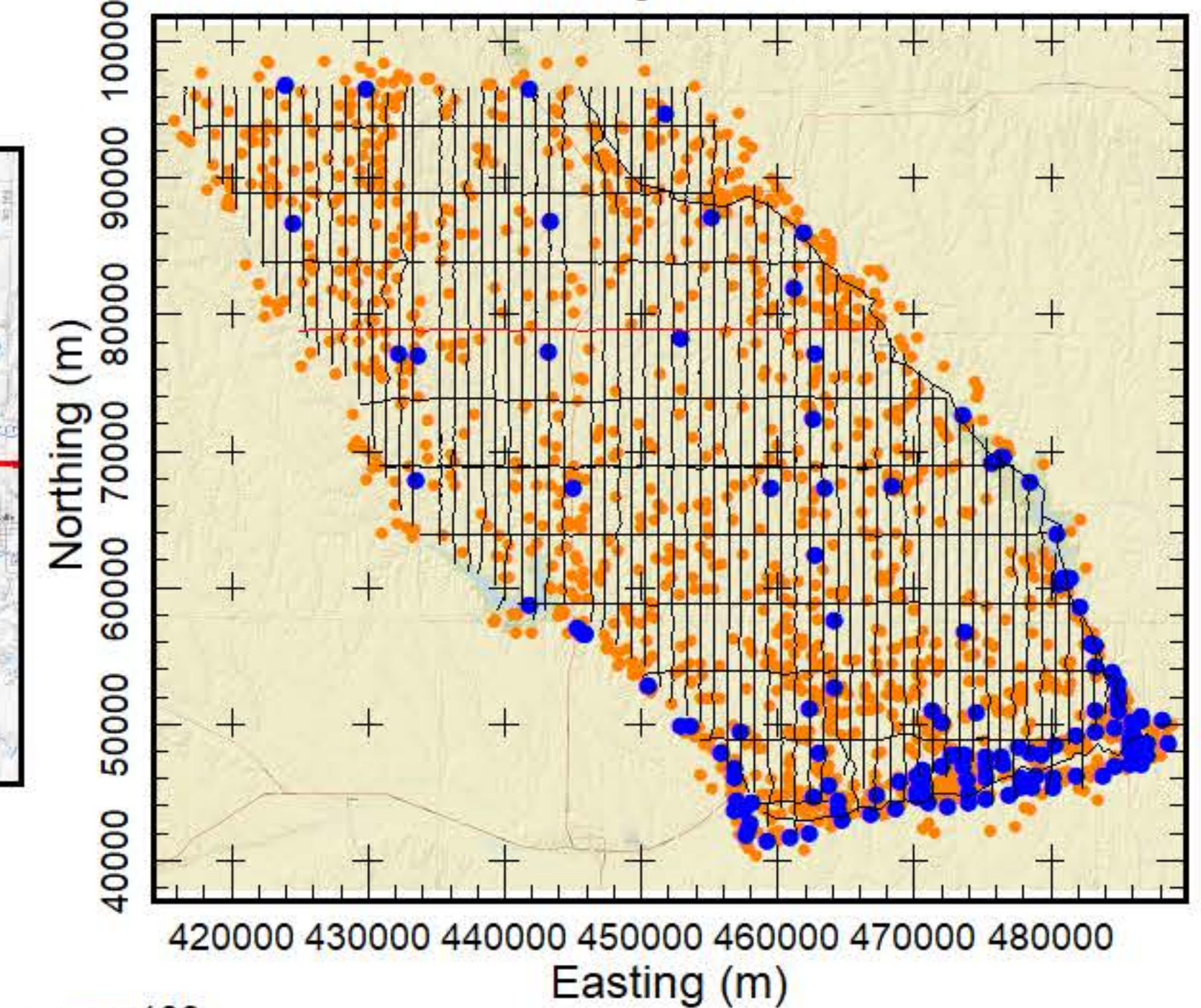




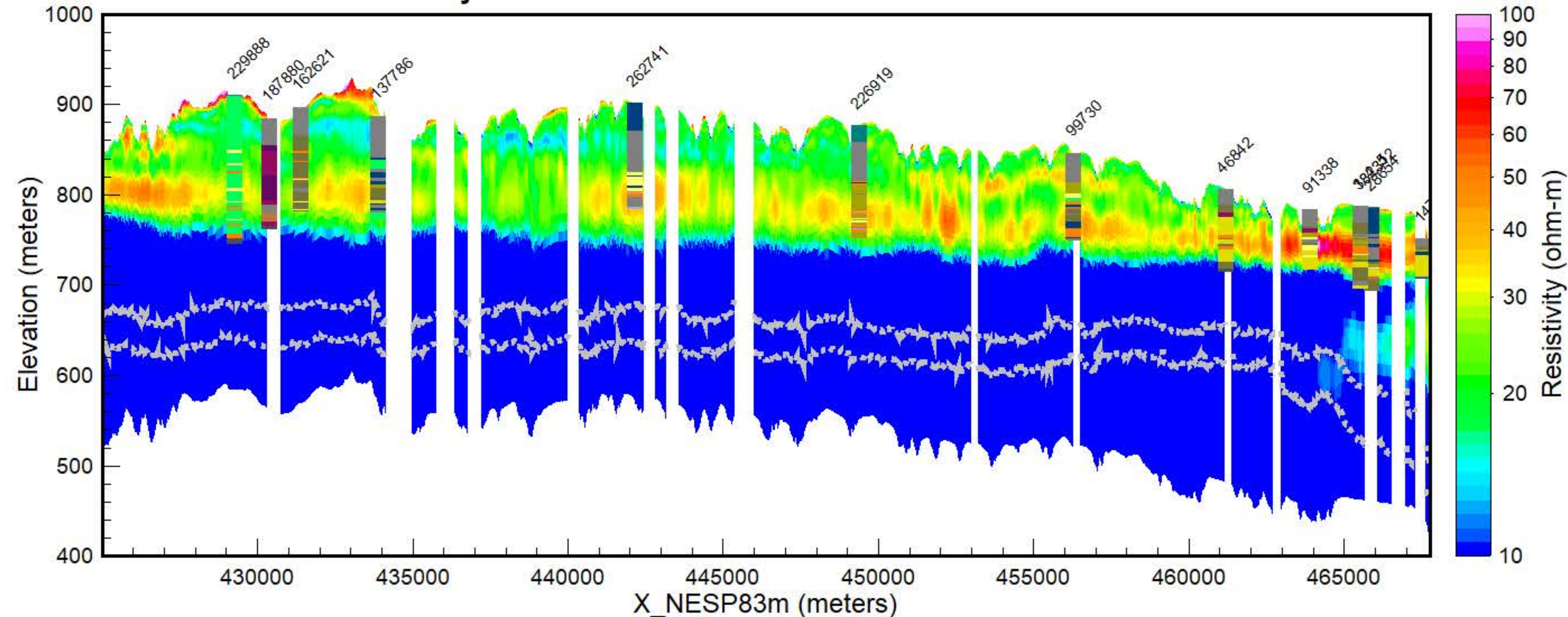
Flight Path Line L600801



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L600801



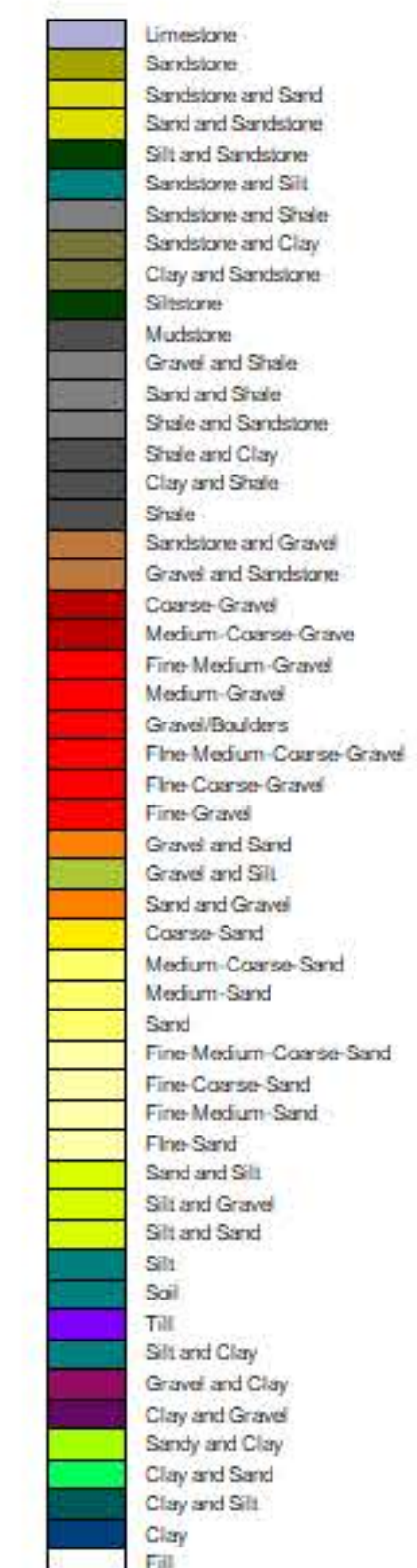
Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

The red line on the Flight Path Map (USGS 100K Topo Map) indicates the location of the data collection.

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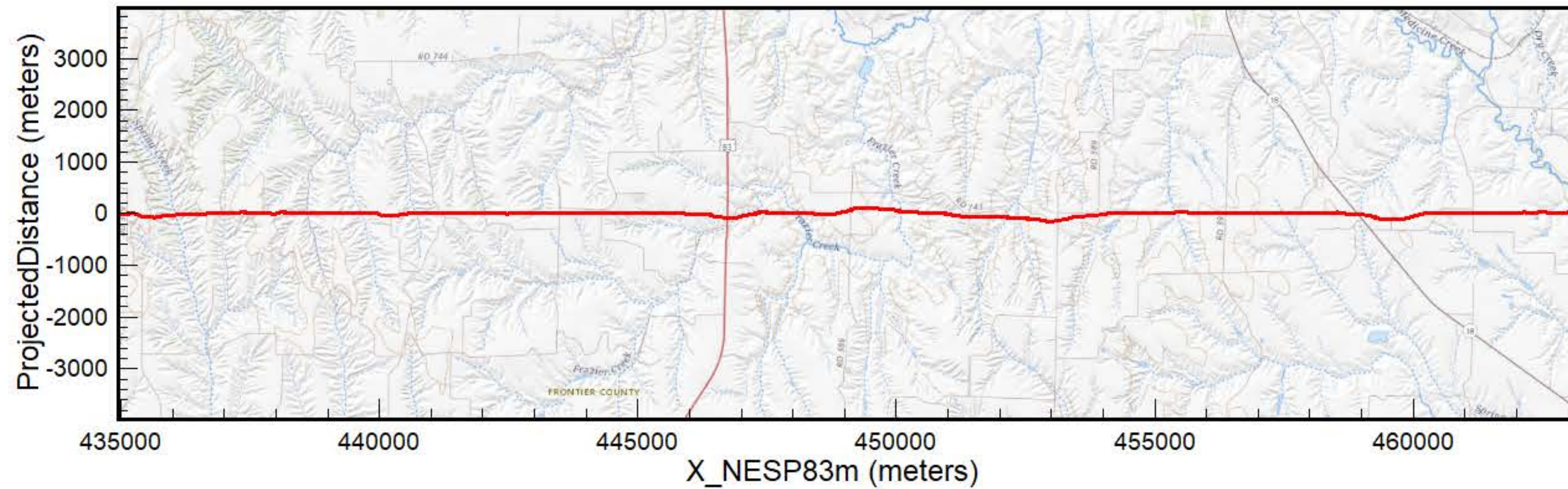
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Prepared for the MRNRD by Aqua Geo Frameworks, LLC.

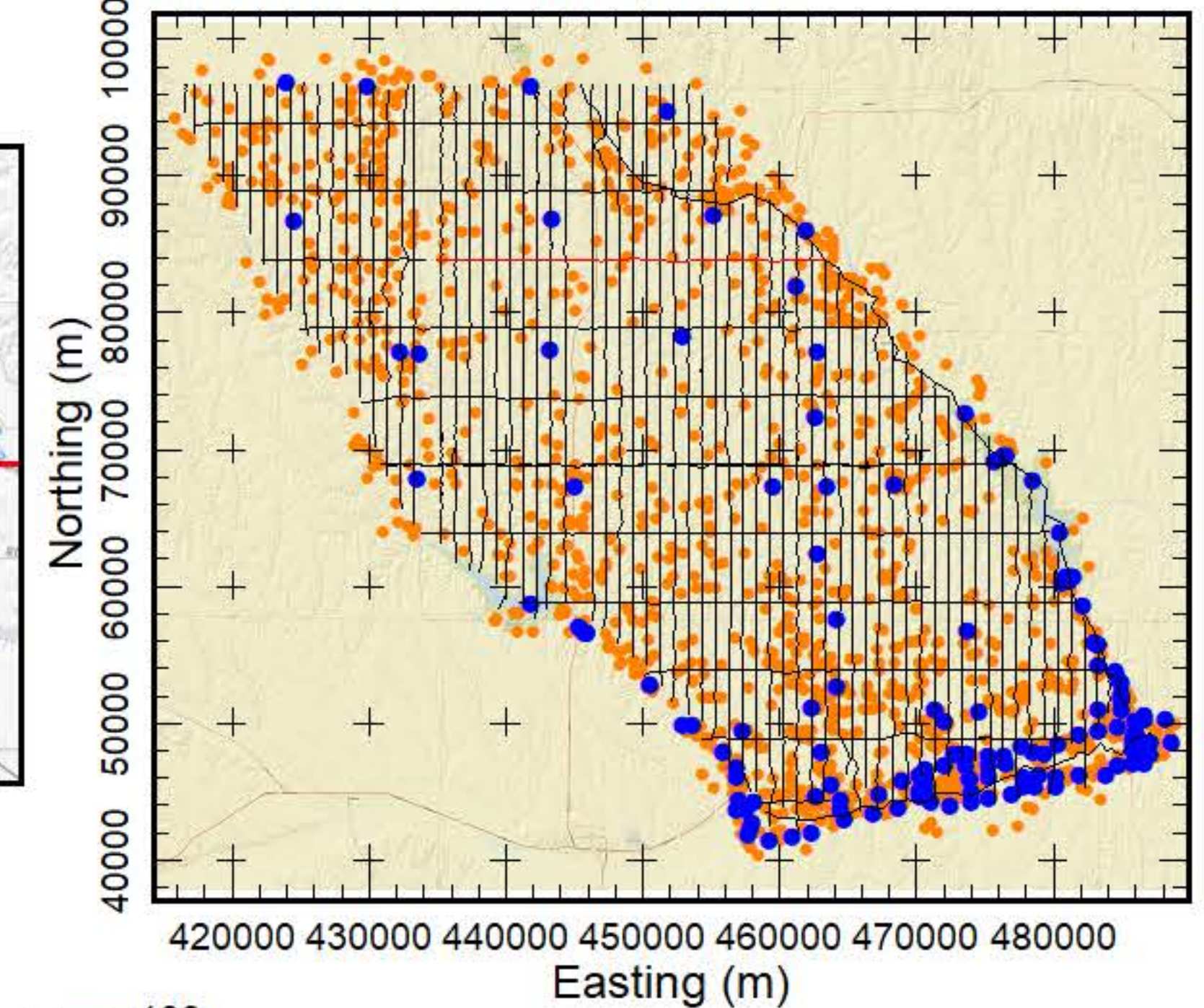




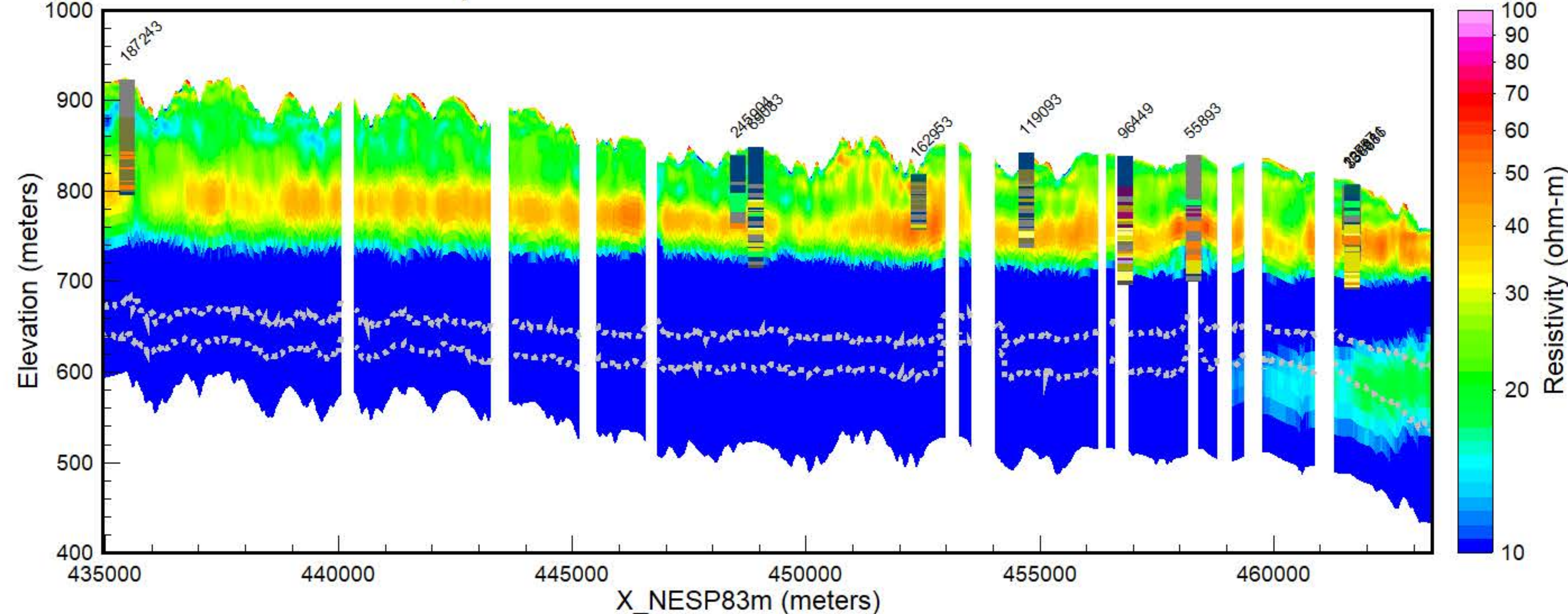
Flight Path Line L600901



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L600901



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

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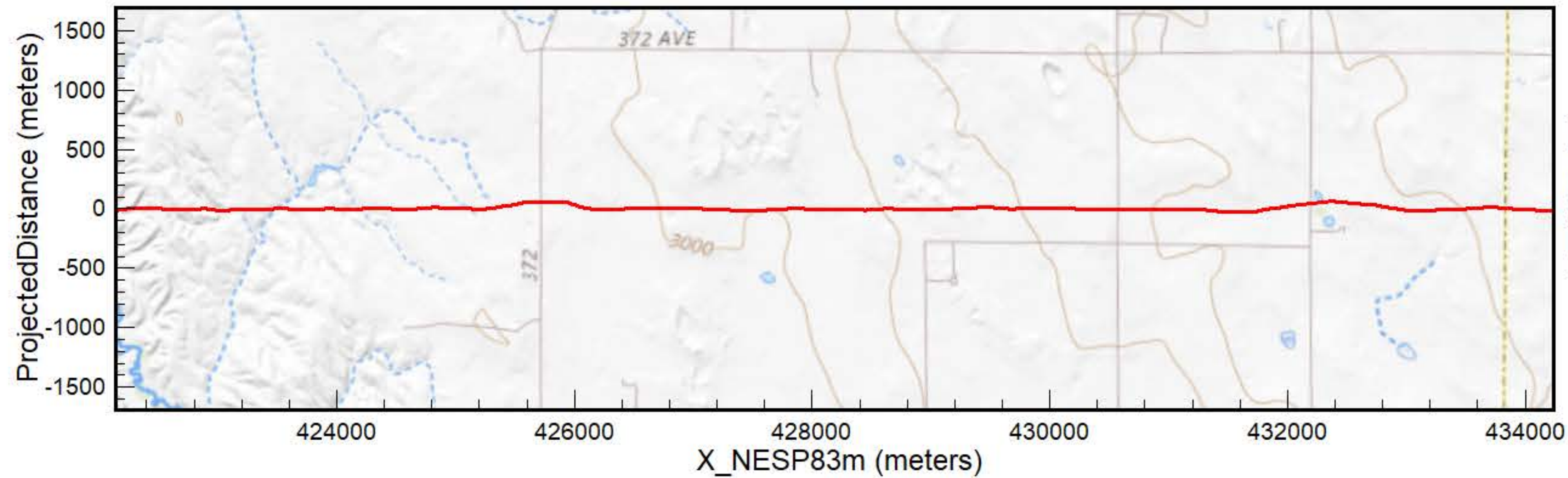
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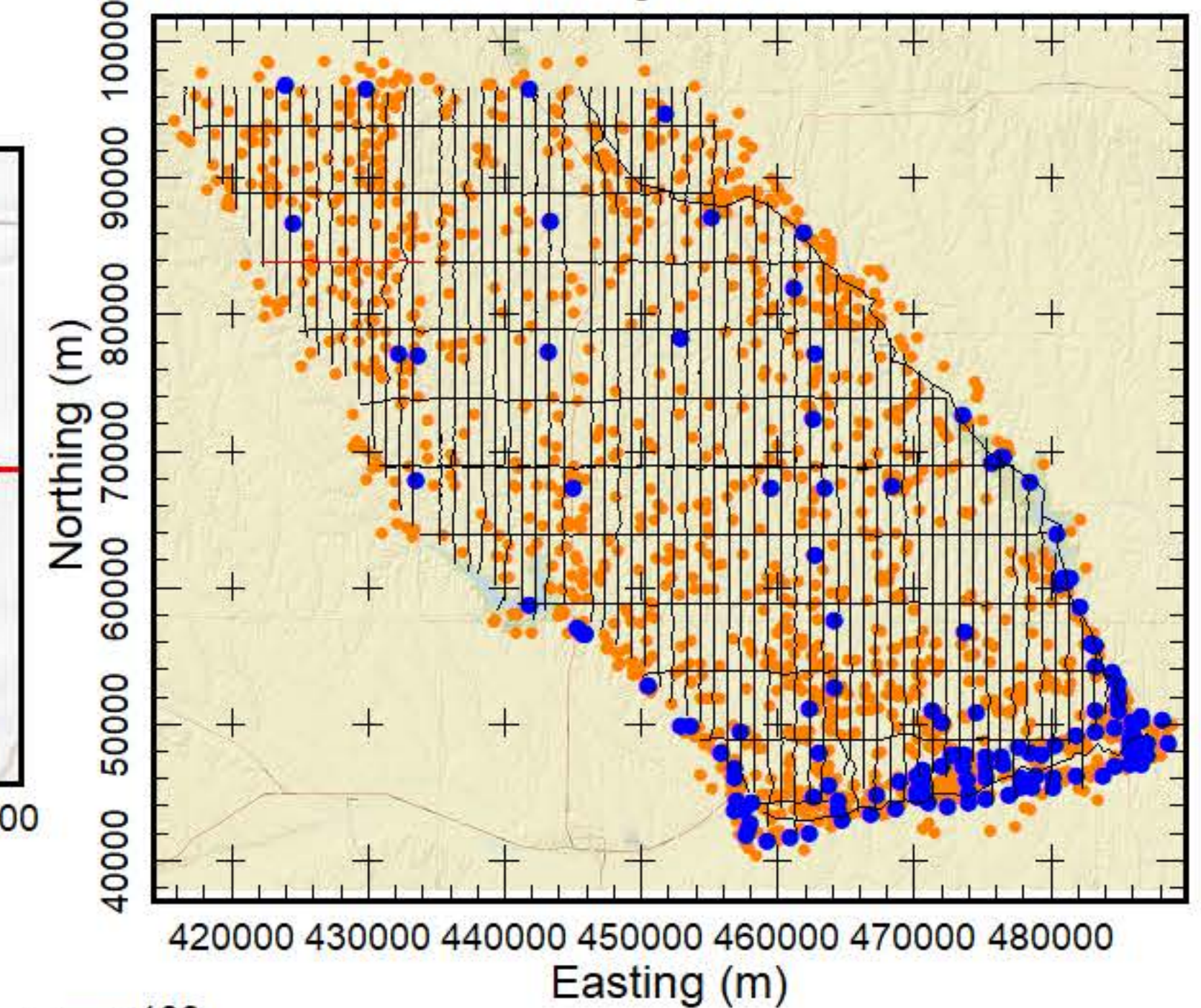




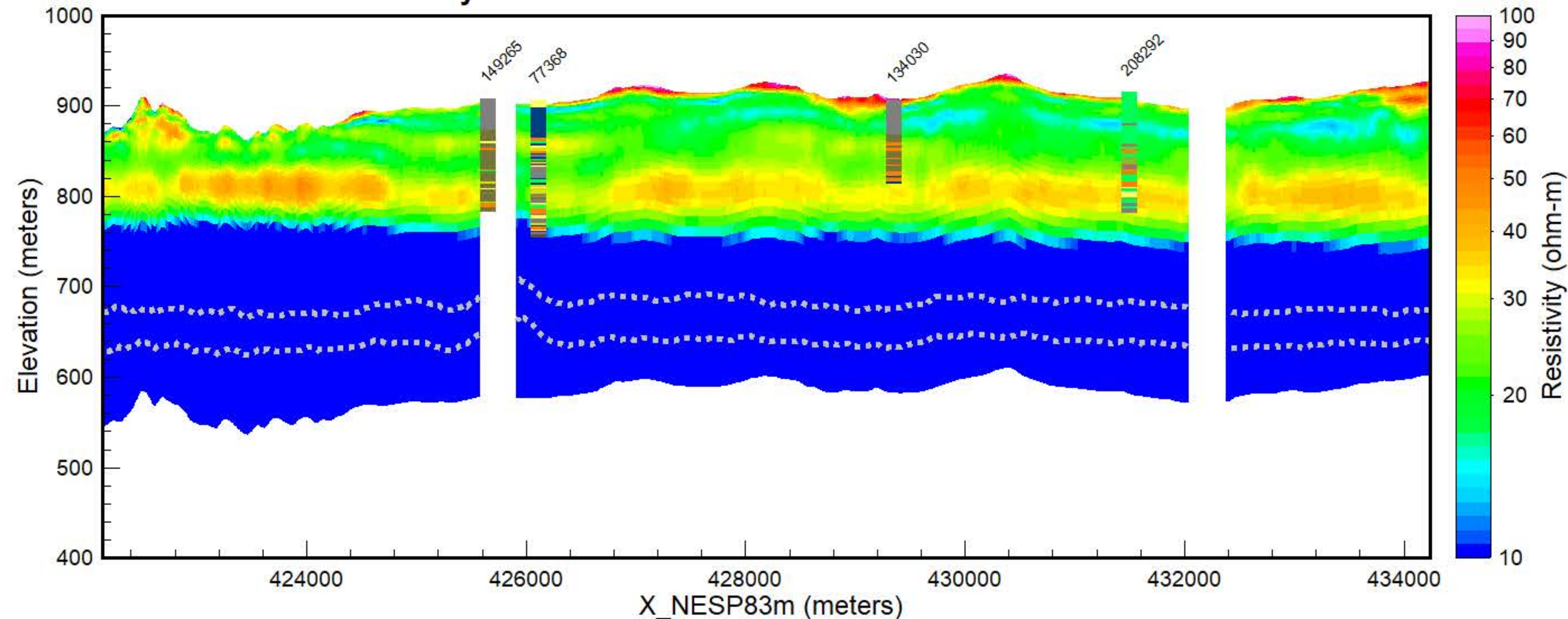
Flight Path Line L600902



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L600902



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

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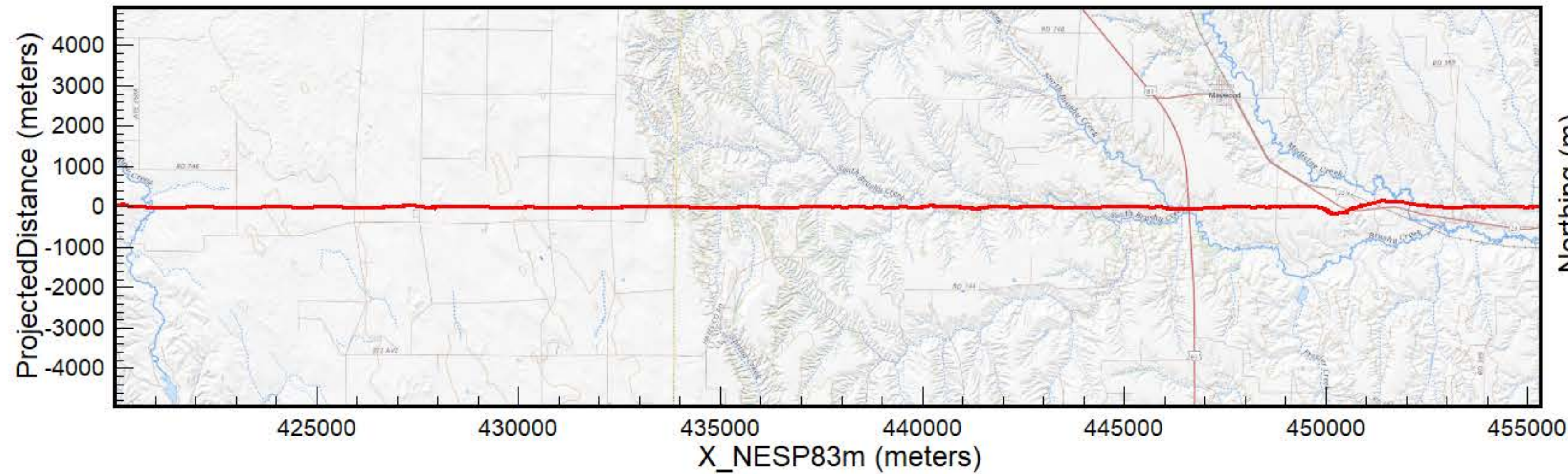
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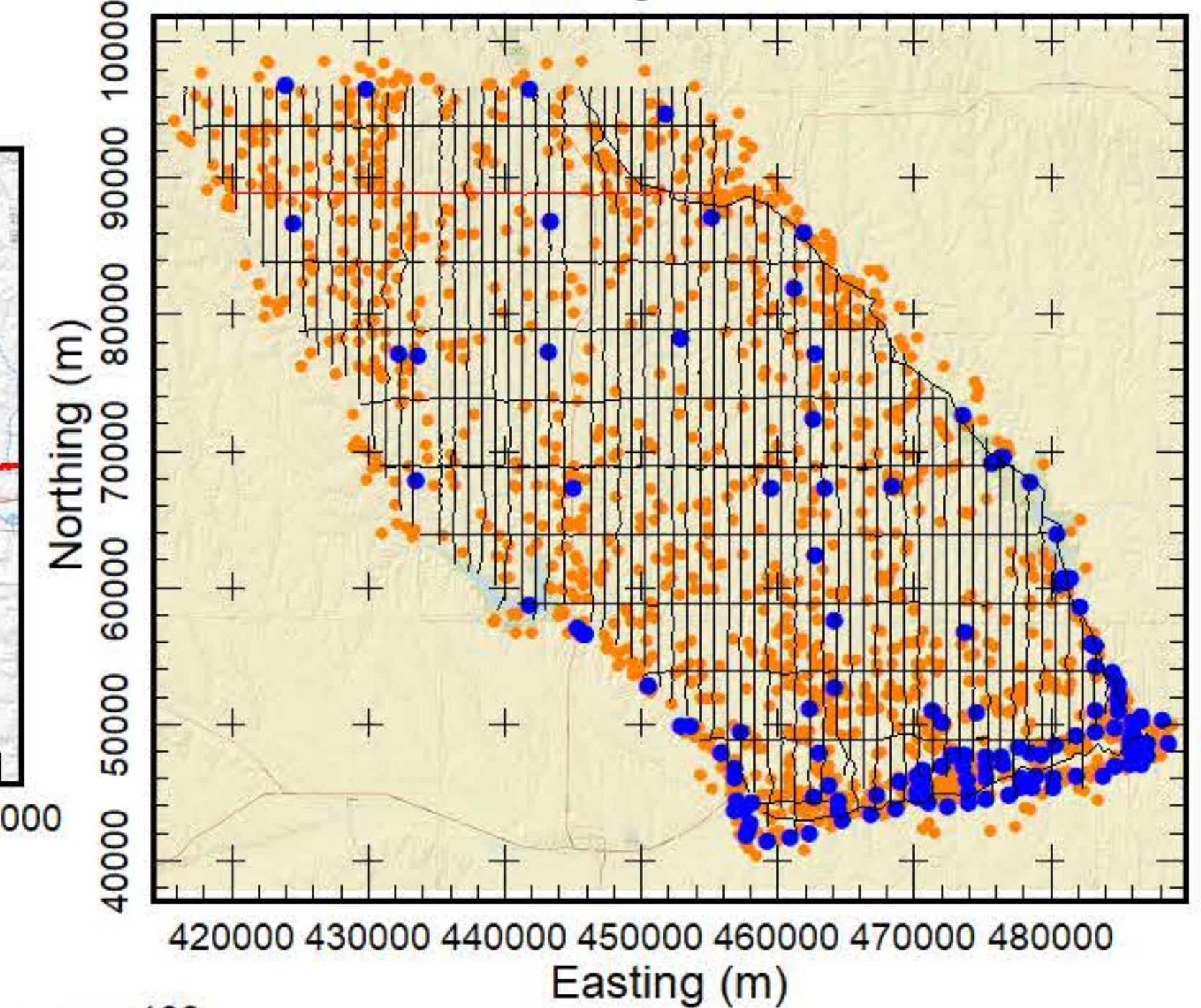




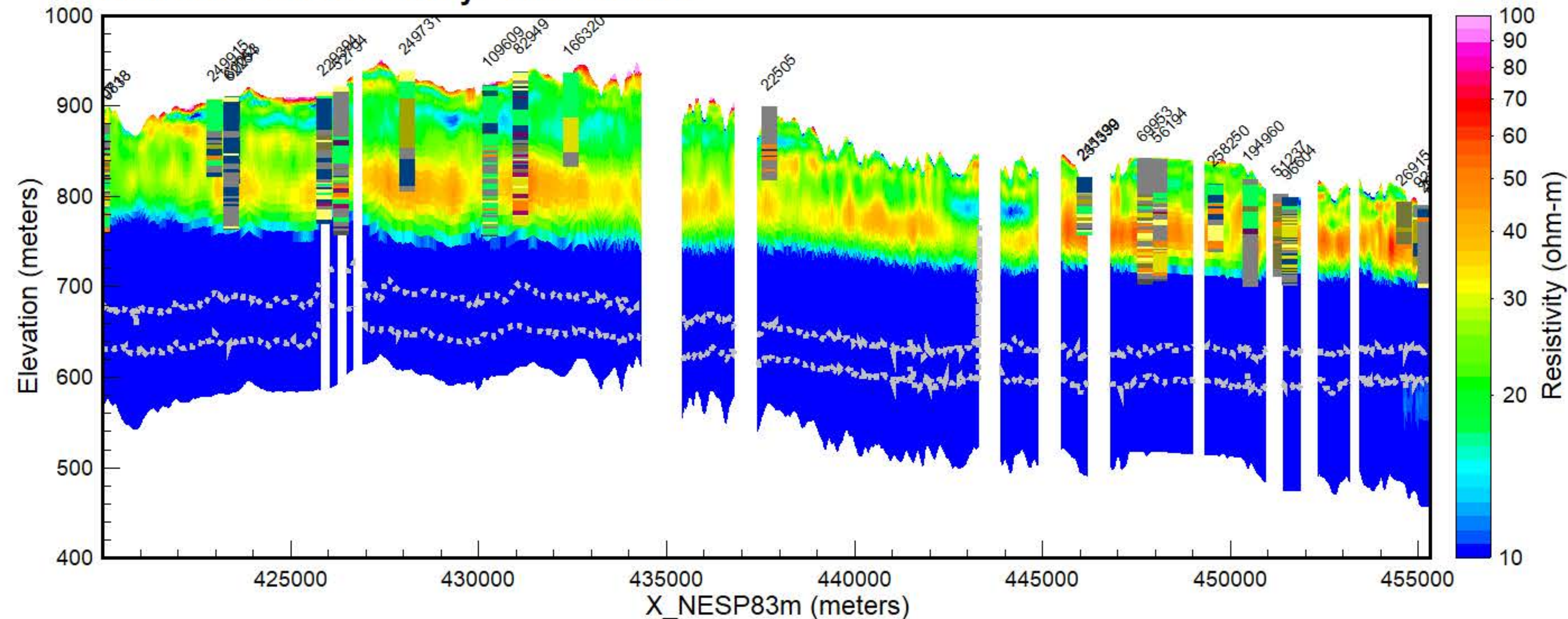
Flight Path Line L601001



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L601001



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

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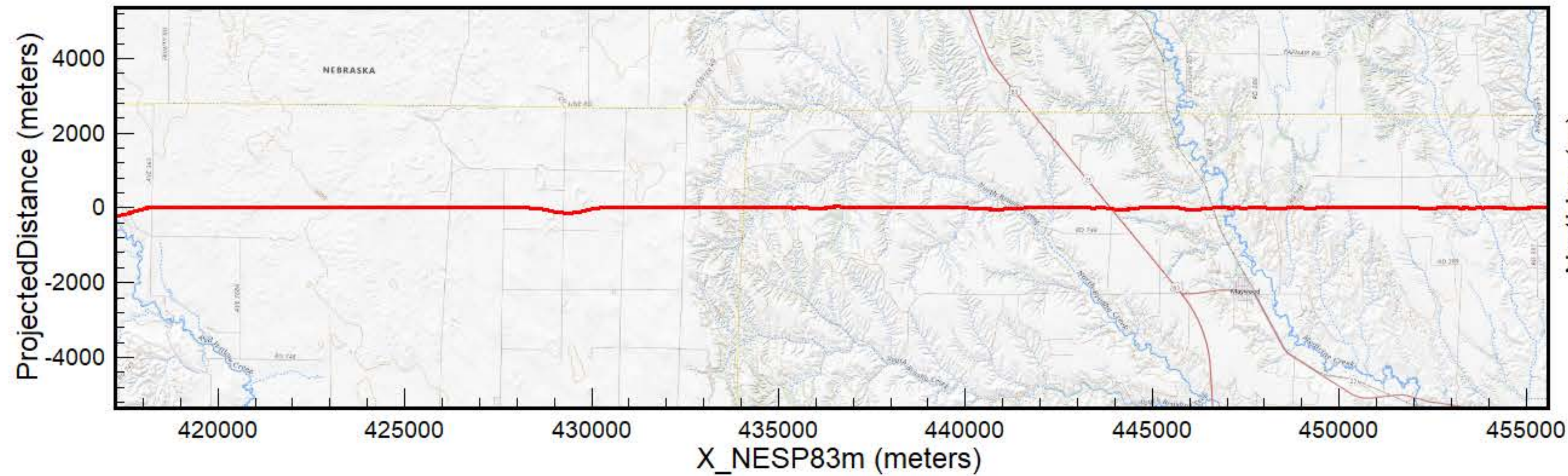
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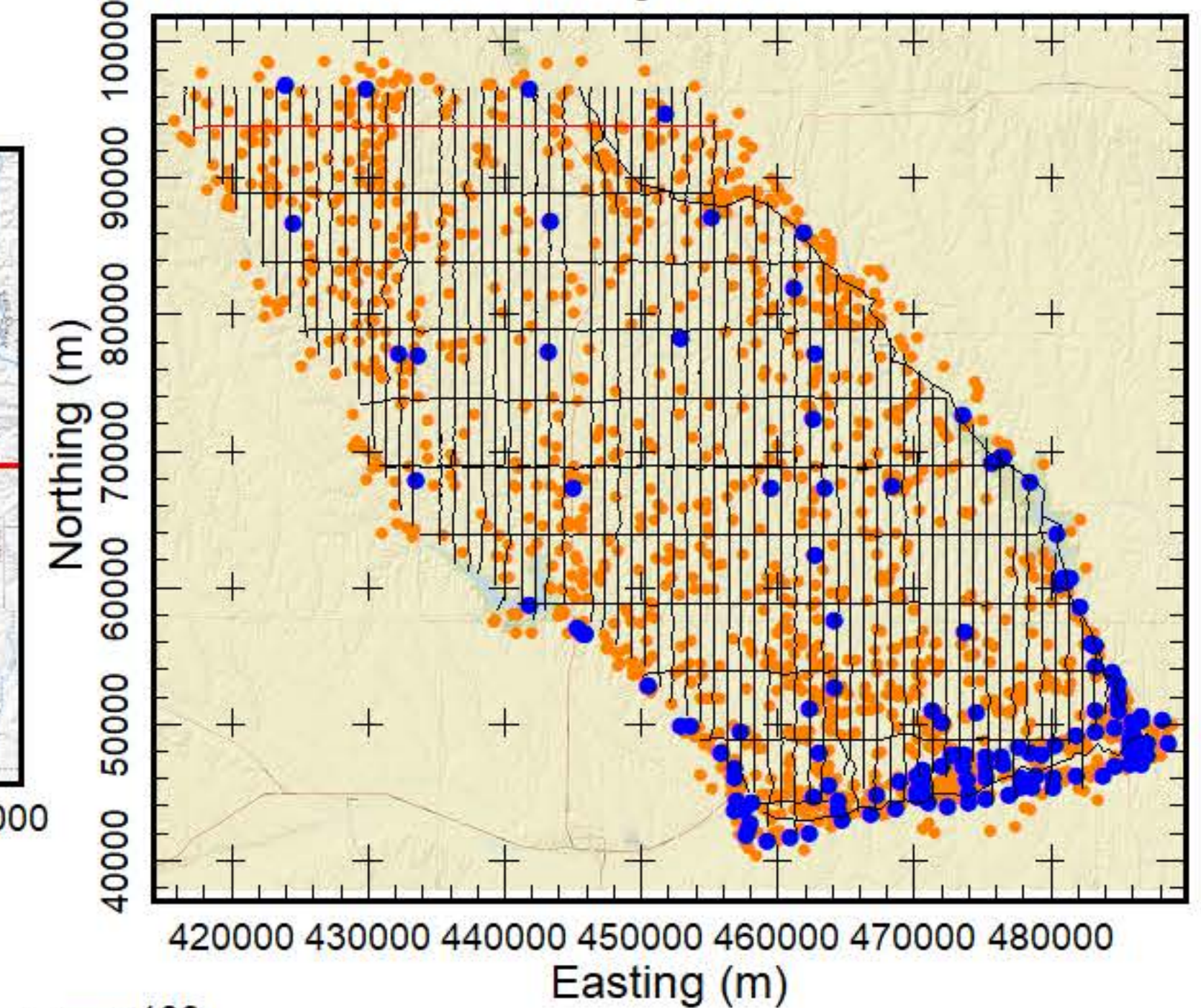




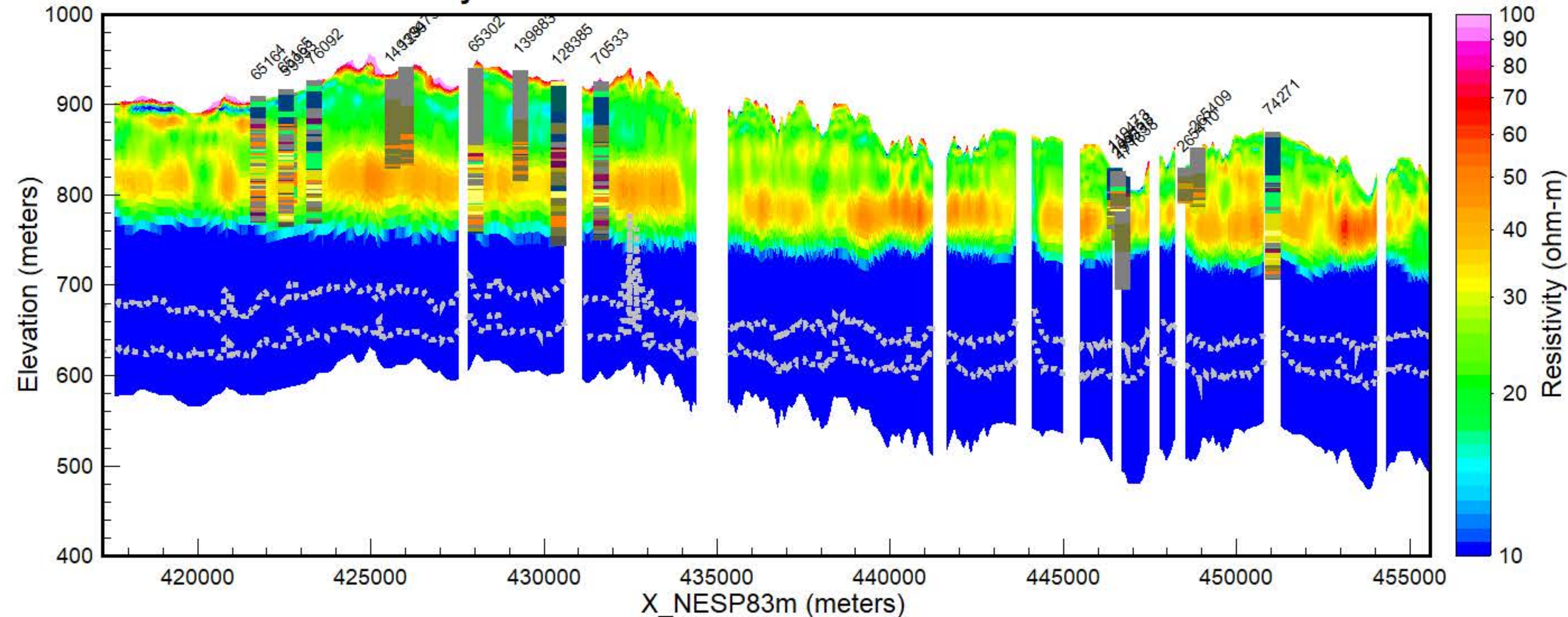
Flight Path Line L601101



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L601101



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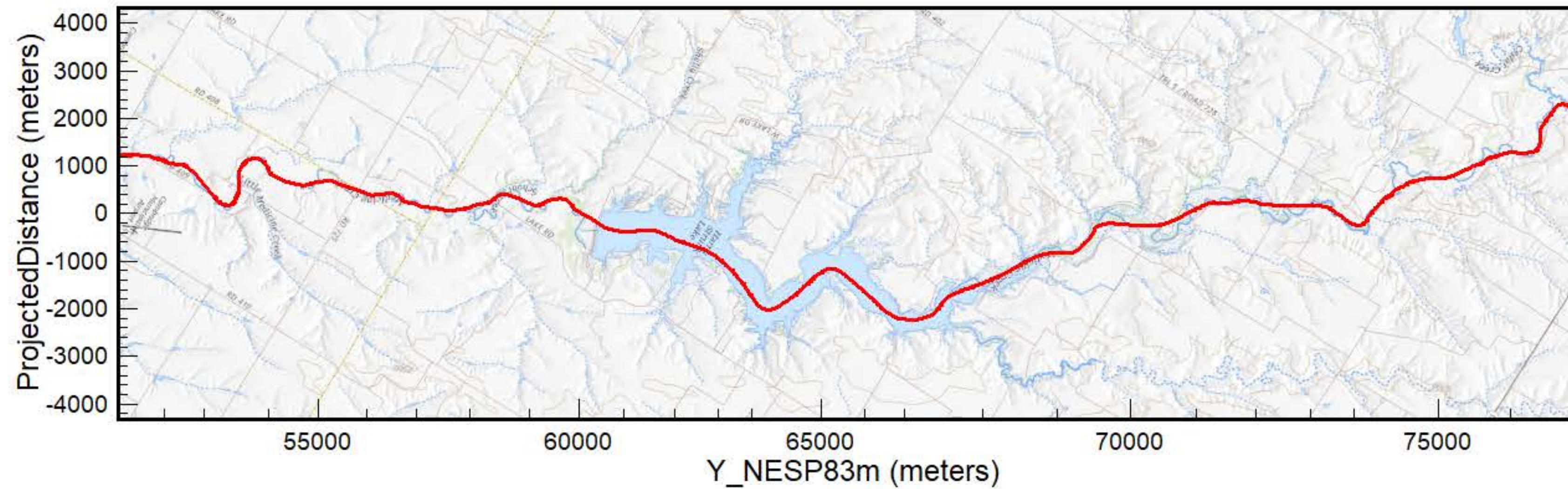
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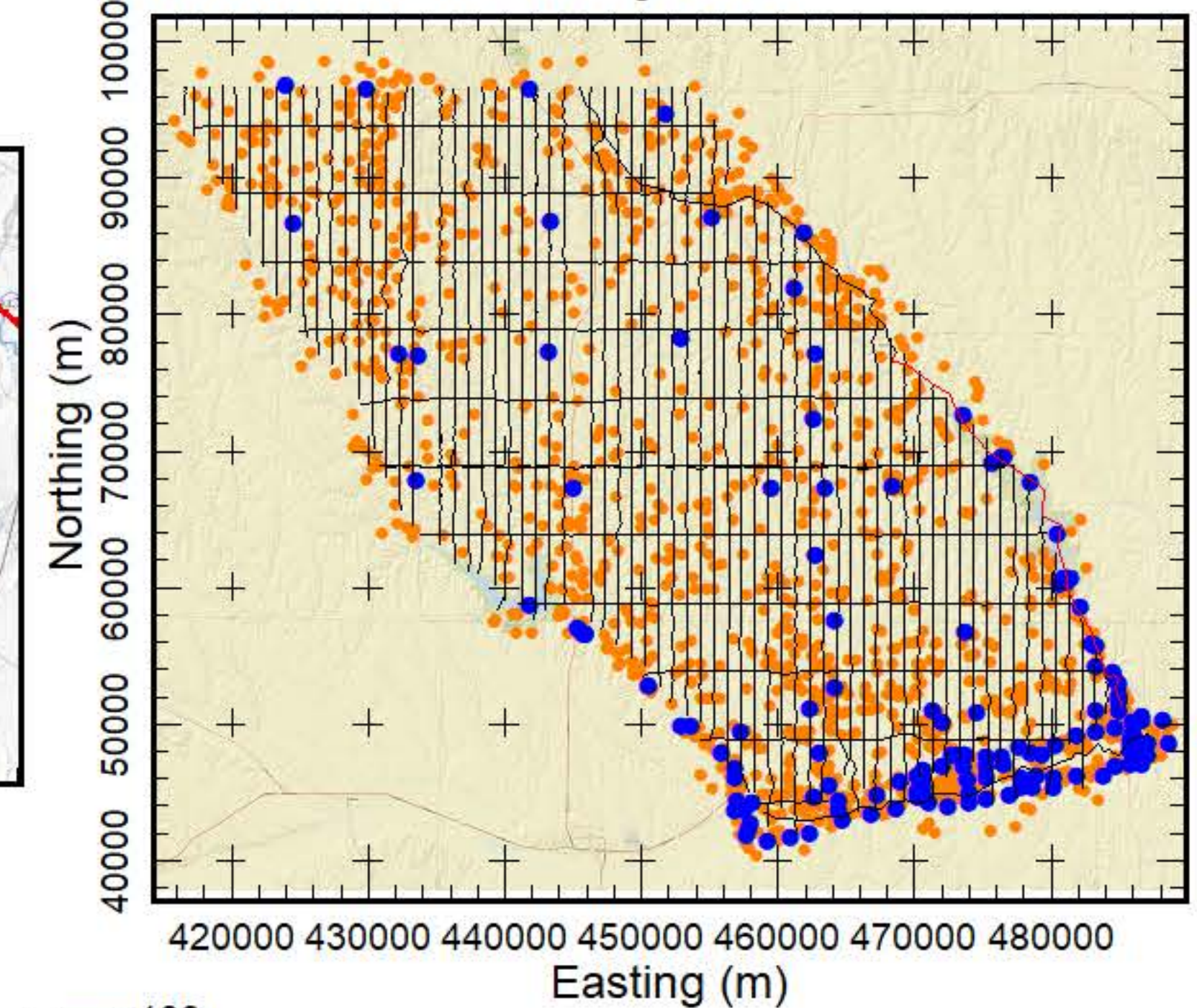




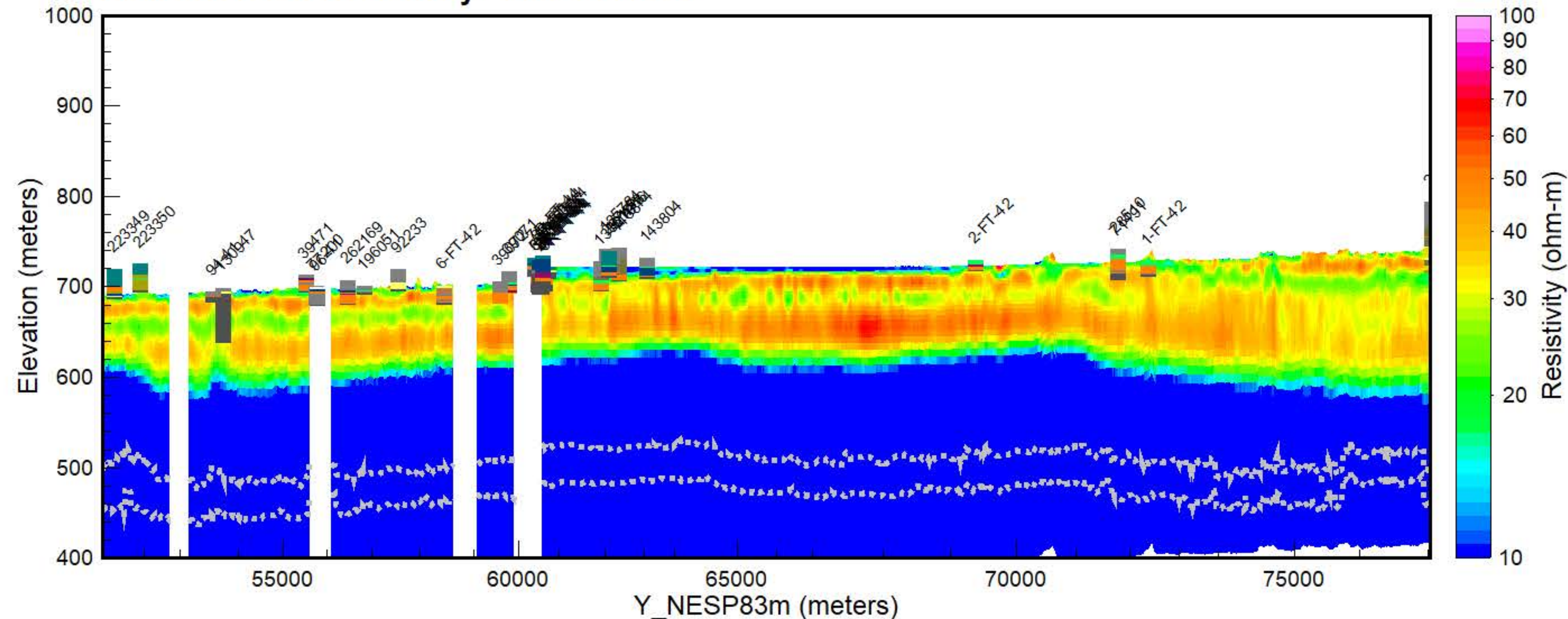
Flight Path Line L700101



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L700101



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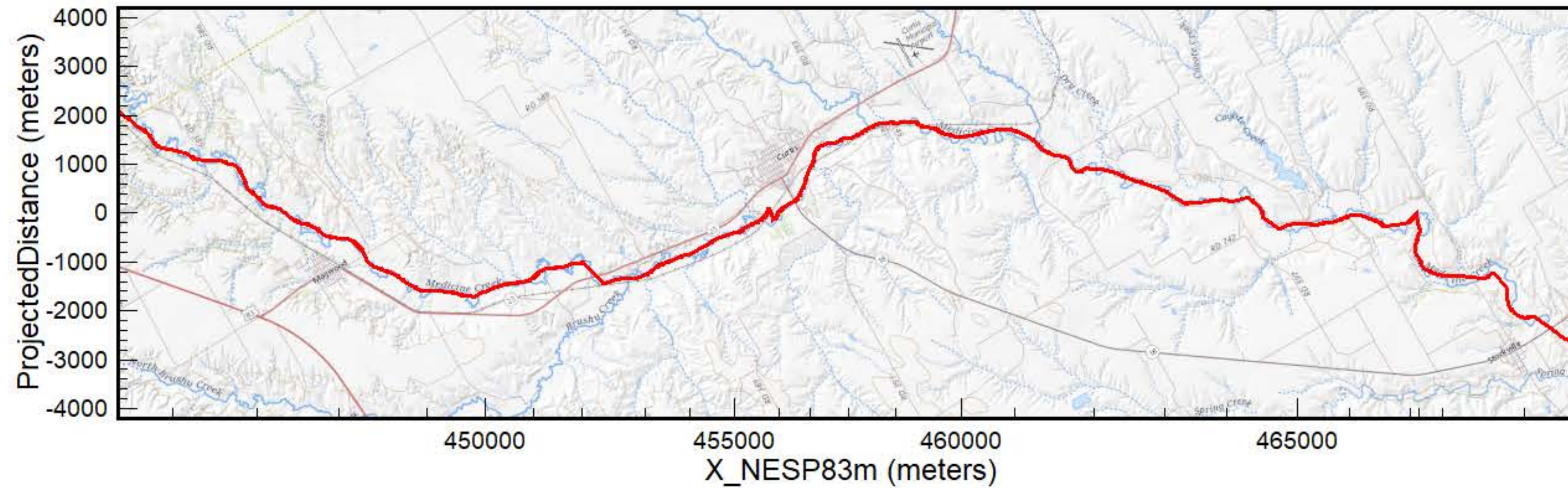
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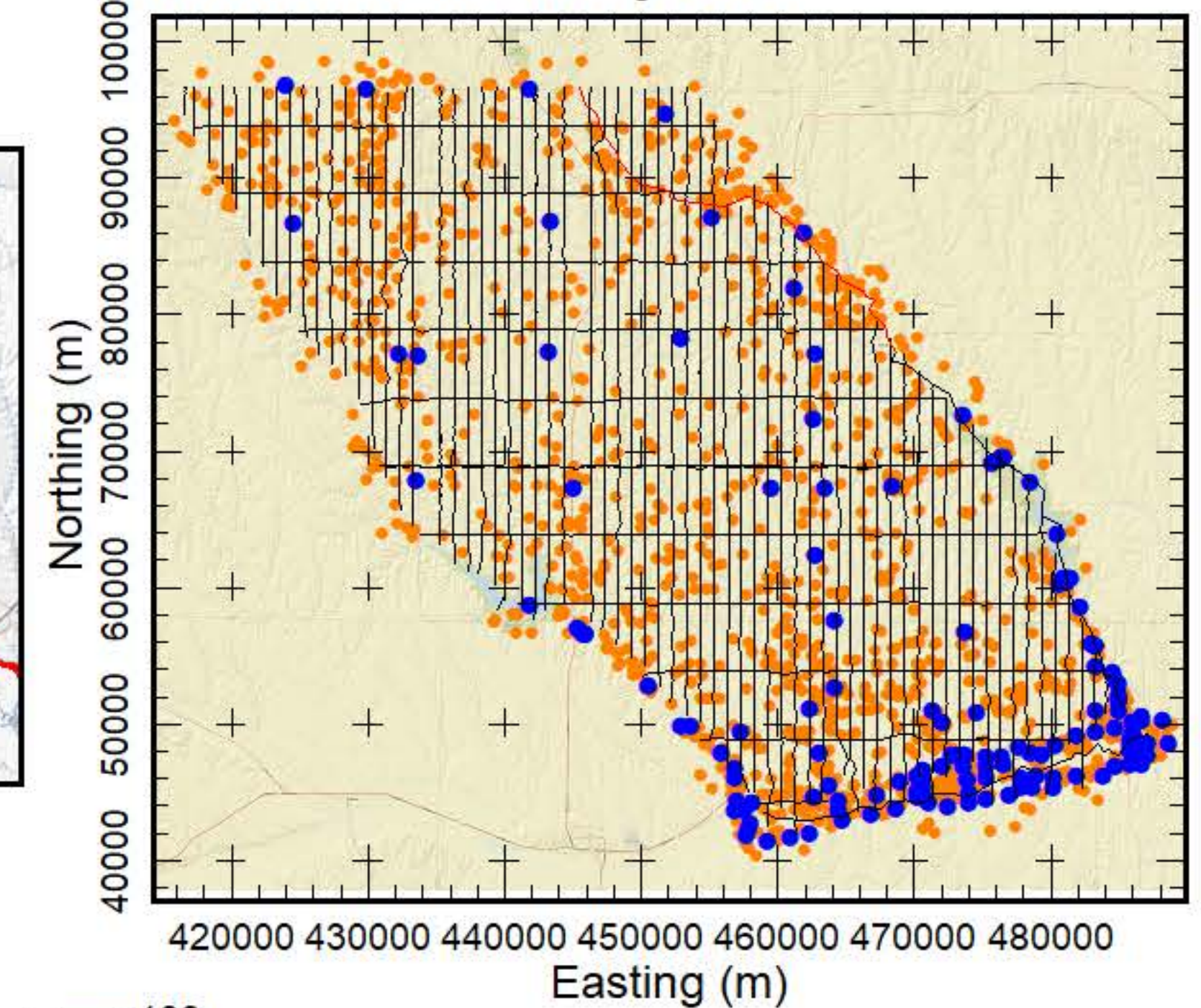




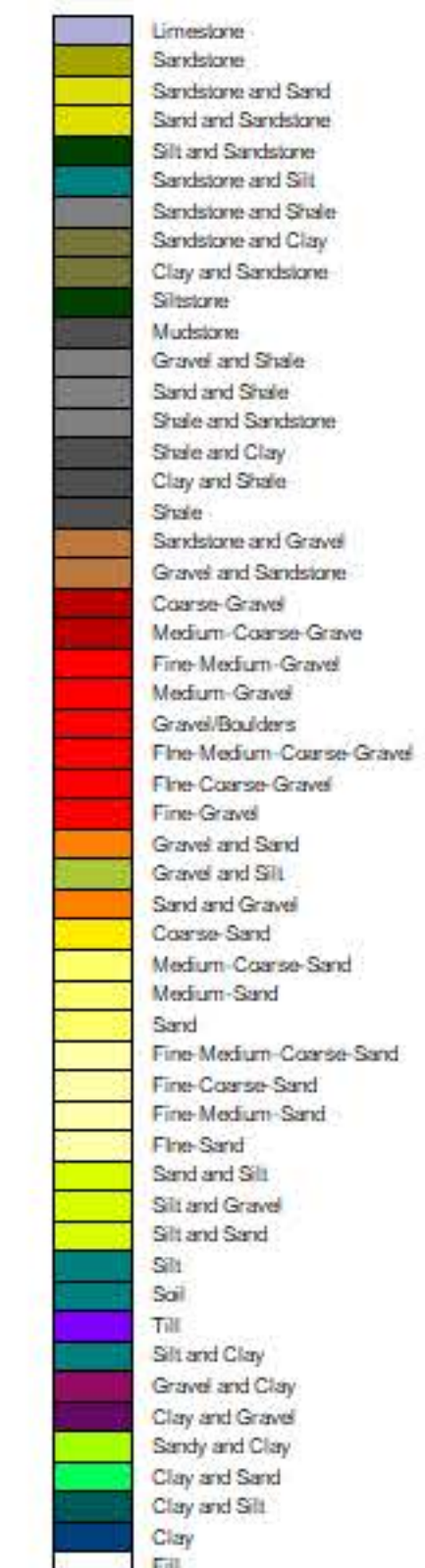
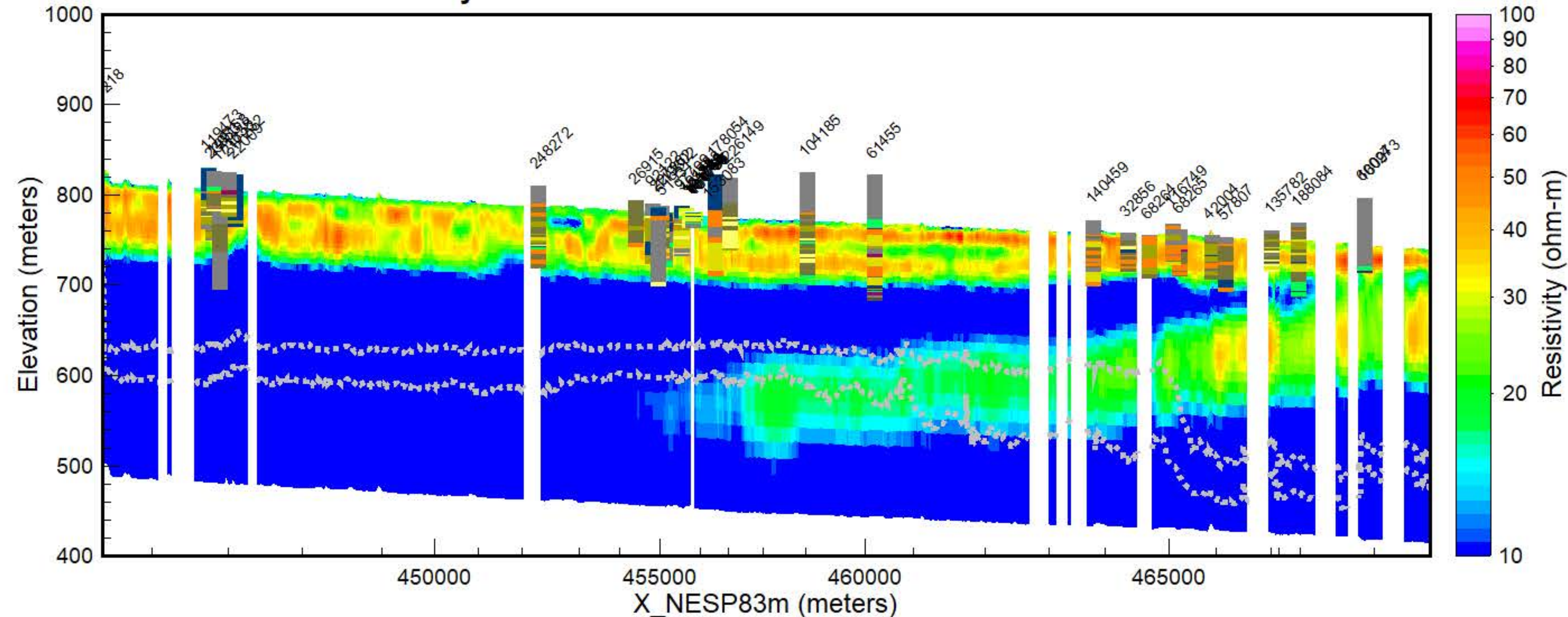
Flight Path Line L700102



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L700102



Results of the final inversion of Airborne Electromagnetic (AEM) data collected along flight lines within the Middle Republican Natural Resources District (MRNRD) Flight Area acquired August 23-30, 2022.

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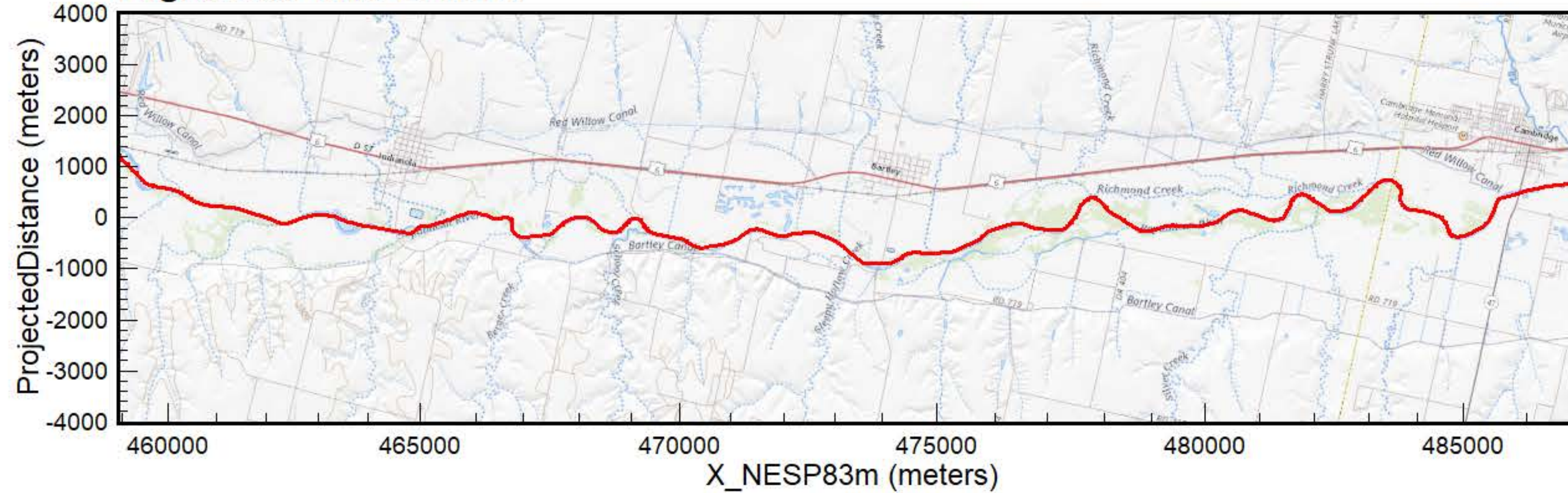
Prepared for the MRNRD by Aqua Geo Frameworks, LLC.



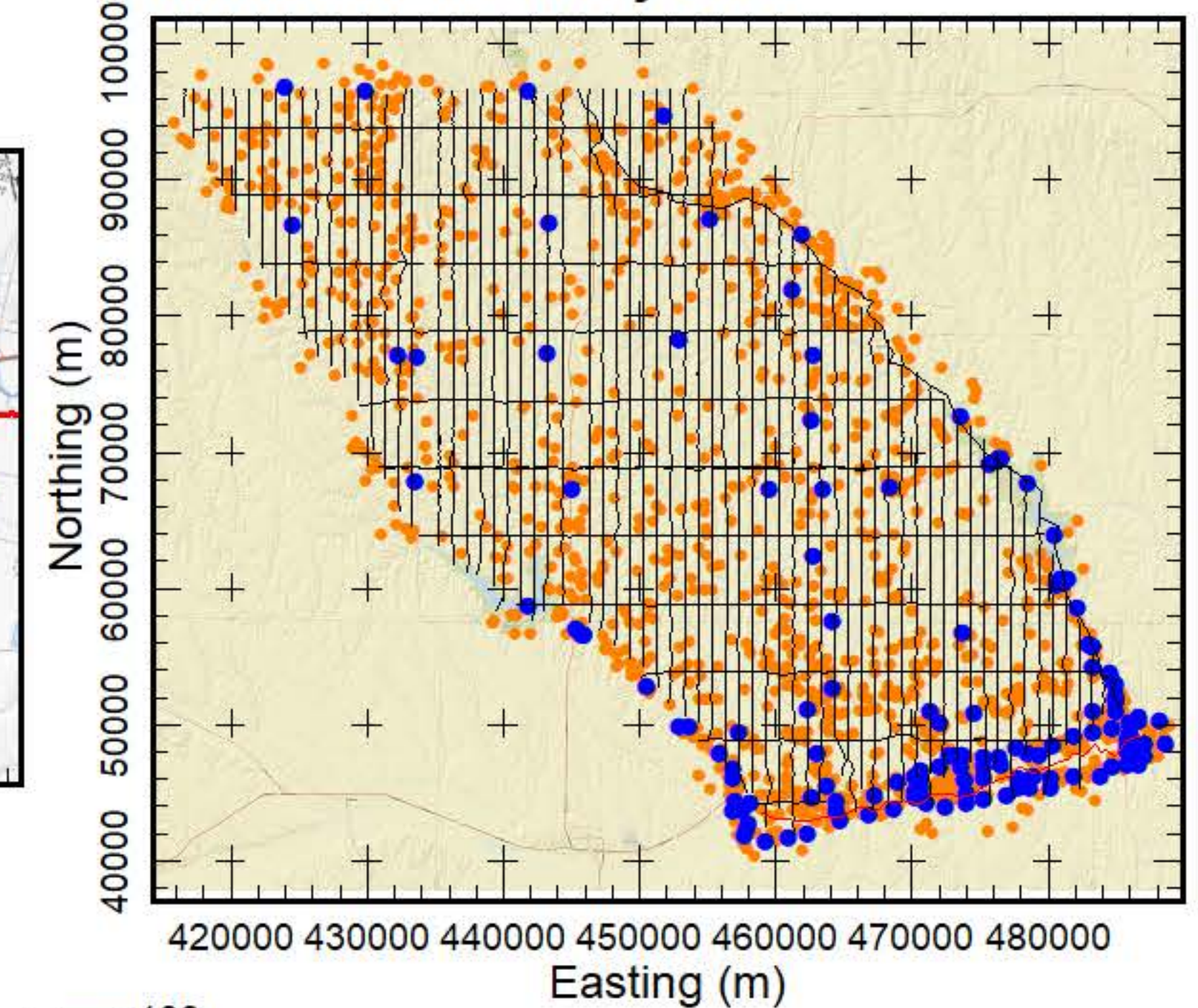


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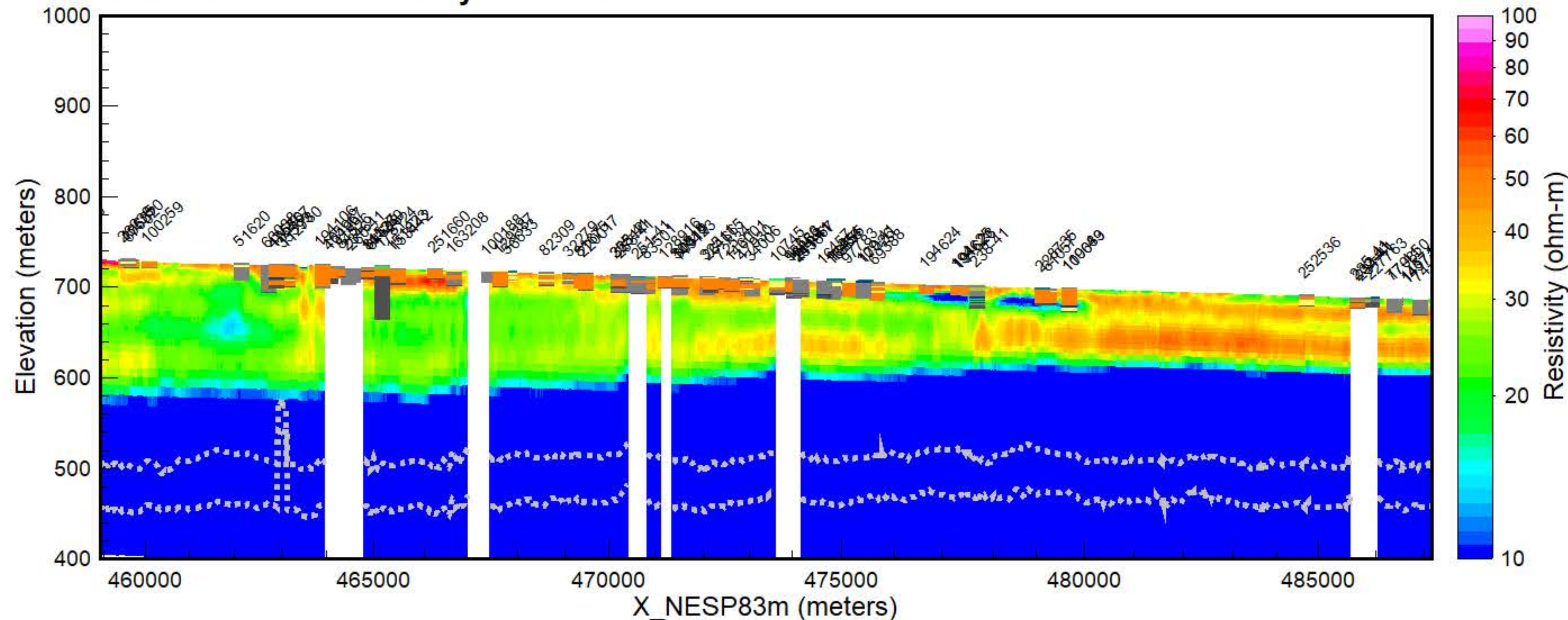
Flight Path Line L700201



MRNRD AEM Survey Area



AEM Inversion Resistivity Line L700201



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