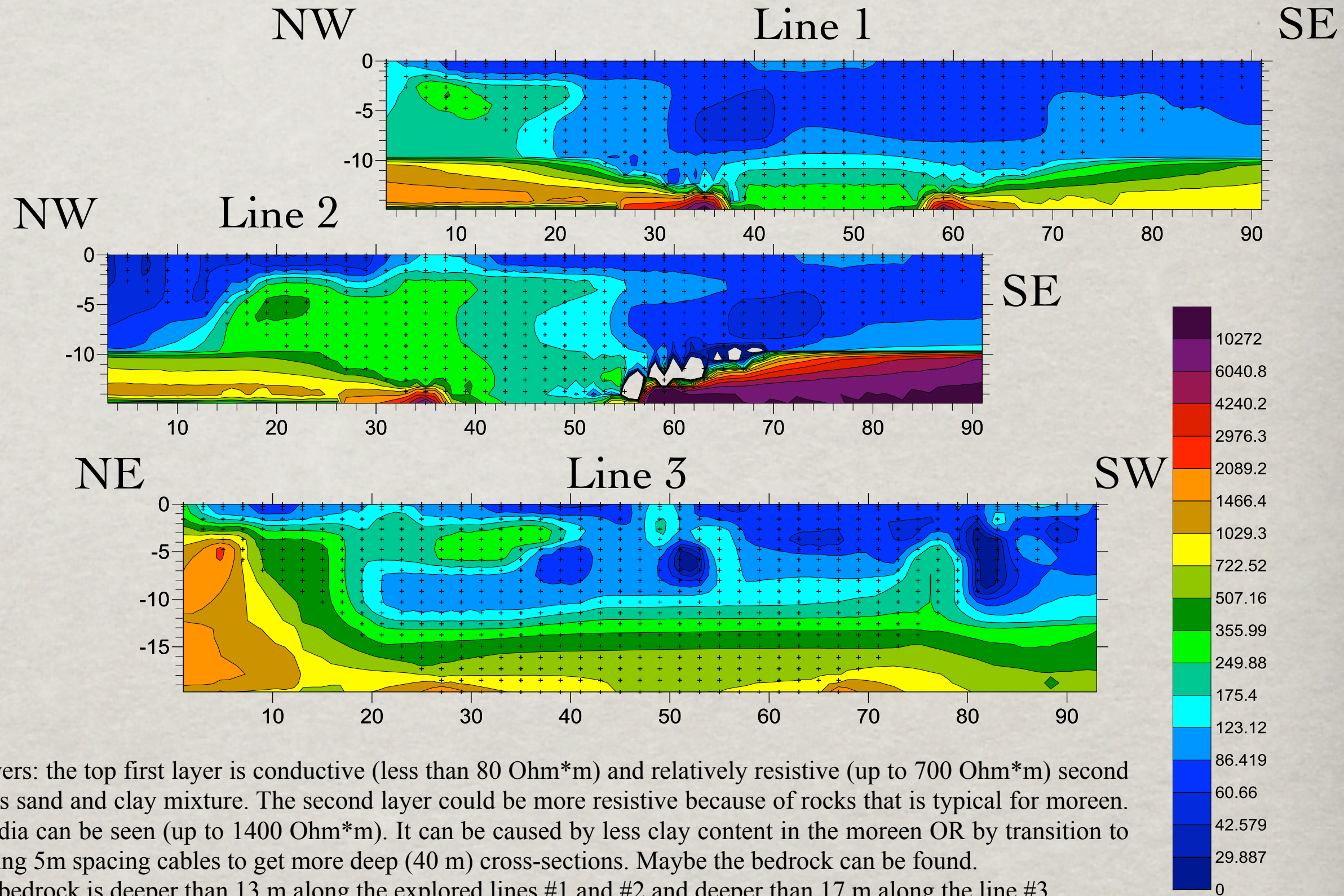


# Survey of the site for geothermal vertical wells drilling.

The survey was made by electric resistivity tomographer SibER-48, using 2 m spacing cables. The measurement line length – 92 m. Exploration depth at dipole-dipole and schlumberger arrays – 14 m, pole-dipole array – 18 m.

Three lines were explored. (see the picture). The first line was laid at the edge of the hill down to the tillage. The second line was shifted to 32 m, NW direction. The third line was made across of the second and first ones.



It can be seen that the media consists of two layers: the top first layer is conductive (less than 80 Ohm\*m) and relatively resistive (up to 700 Ohm\*m) second layer. It could be suggested that the first layer includes sand and clay mixture. The second layer could be more resistive because of rocks that is typical for moreen. At the very deep part of the Line 3 more resistive media can be seen (up to 1400 Ohm\*m). It can be caused by less clay content in the moreen OR by transition to the bedrock. It is recommended to explore the area using 5m spacing cables to get more deep (40 m) cross-sections. Maybe the bedrock can be found.

Having the data presented we could say that the bedrock is deeper than 13 m along the explored lines #1 and #2 and deeper than 17 m along the line #3.