## Mapping Gold Deposits with Induced Polarization Surveys, Yukon, Canada

Site: Rockhaven Resources Ltd. Klaza property in Yukon Territory, Canada

Instrument and method: SuperStingR8 with AGI 84 electrode passive electrical imaging cable, 5 meter electrode spacing, inverse schlumberger array, boost mode(200W output), Reverse Circulation (RC) Drillholes, Modeled with EarthImager 2D.

between high chargeability and mineralized zones. Details of the borehole data with gold content (Au gram/ton) are shown as pink bar graphs overlain on the EarthImager2D chargeability model.

239

278

**Results:** SuperStingR8 induced polarization data were successfully used to locate and map economically important gold deposits in high resolution with relatively low transmitter power. A strong correlation is found

1392 1359 Î Elevation 1326 1075 Gold at 1294 251 0.75-11.9 g/t Au 1261 Iteration = 6 RMS = 2.99% I.2 = 0.99 1392 Deploying 84 electrodes in sections of 14 requires no tree cutting for minimal impact during exploration 1359 26.2 Ĩ 1326 11.9 Gold at 1294 -2.4 0.75-11.9 g/t Au 1261 Iteration = 1 RMS = 0.96 (ms) Electrode Spacing = 5 m Project: Case Study 4, Klaza Projection: NAD83, UTM zone 8N Line: CS4-KL10050E **GROUNDTRU** H Inversion: M. Best Look Direction: NW (303 deg) Plot: R. Daigle, I. Fage EXPLORATION Survey Date: Sept 2, 2013

318

357









GroundTruth

397

Exploration

Ohm-m





2121 Geoscience Drive, Austin, TX 78726 Tel: +1 (512) 335-3338 Fax: +1 (512) 258-9958 Email: sales@agiusa.com Website: http://www.agiusa.com

## Mapping Gold Deposits with Induced Polarization Surveys, Yukon, Canada (continued...)



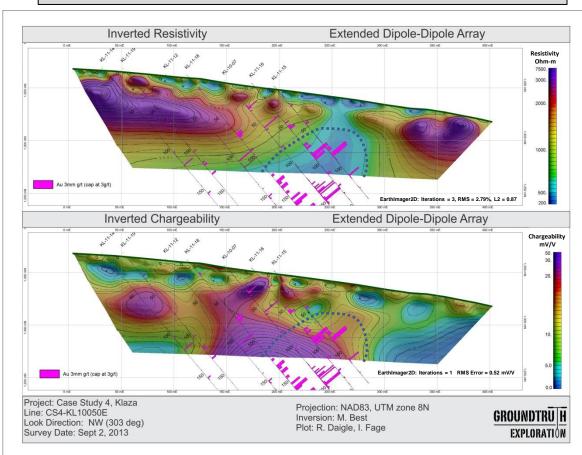


## Results(continued...)

Borehole data show that near surface structure imaged in detailed continue at depth where a PowerSting system could be used to explore deeper.

## Resistivity and Chargeability Models with Borehole Gold Concentrations

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Reference:

Open File Report, 2014 (in review), Yukon Geological Survey









