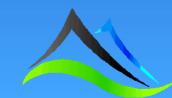
# Chasing Volkwagons at 2km with IP

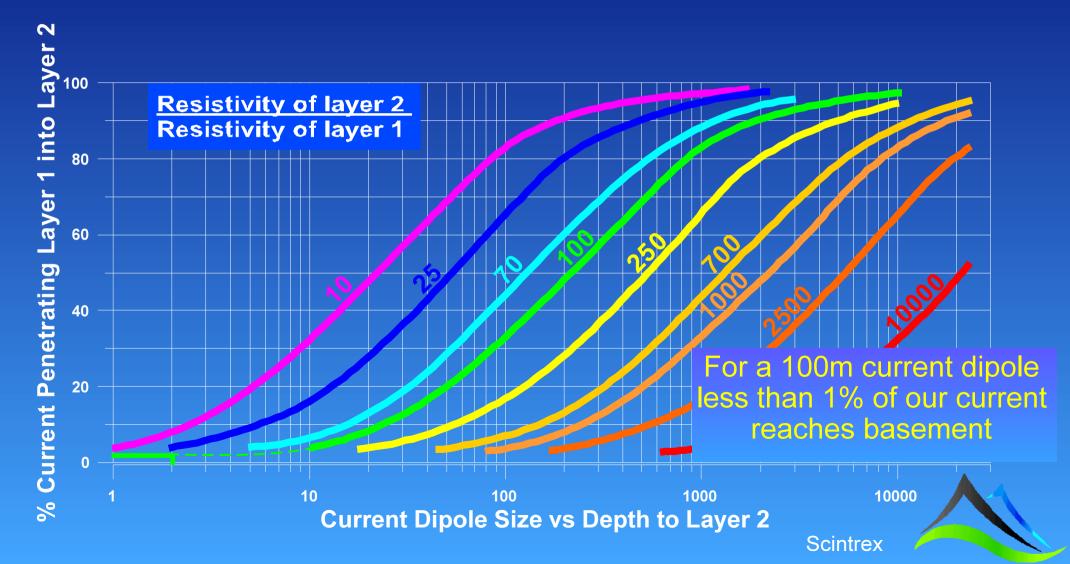
Kim Frankcombe ExploreGeo

"It would be like burying a 1957 Volkswagen a mile or two deep and discerning whether it is a '57 or '58 model from the shape of the rear bumper," Robert Friedland 2009 when describing Ivanhoe's Zeus IP system



### Signal at the target

50m of 10 Ohm m overburden over 1,000 Ohm m basement



## More power and high voltages!

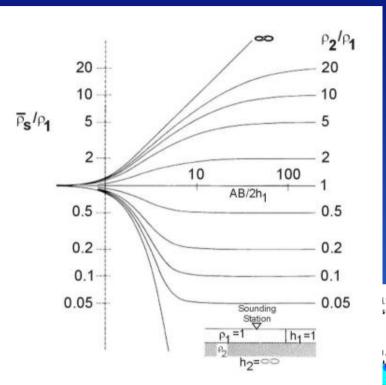


# State mining acts need attention

Ohm's Law is immutable

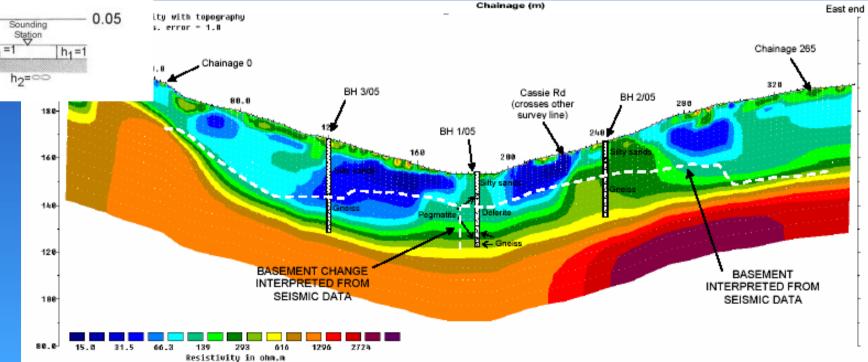


## More channels and variable geometry



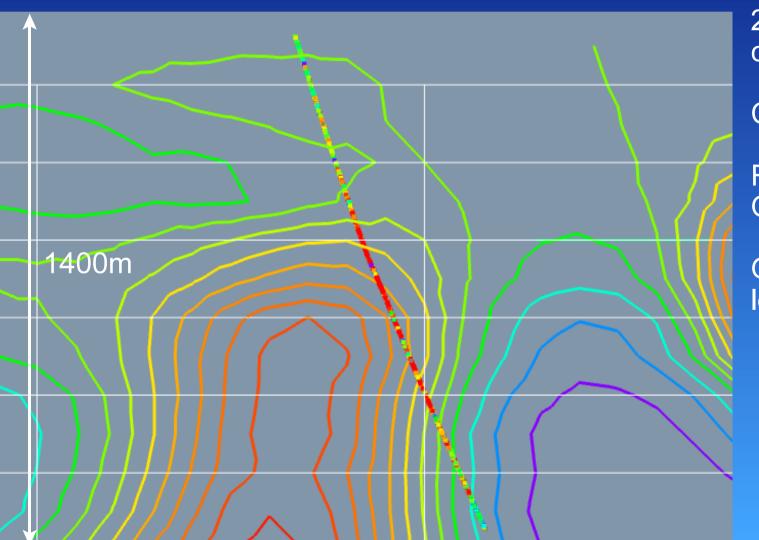
The near surface geophysicists have gone from simple 1D soundings to electrical tomography by using multi-resolution arrays with varying MN, AB and n.

From 10 readings to 10,000 over the same site. The minerals exploration industry can do the same.



### **Case Study**

Comparison between IP and Cu grades in the deepest drillhole



2 mV/V contours of chargeability

Cu to 3.3%

Resistivity 100 -1000 Ohm m in this location

Good correlation to at least 1km depth

