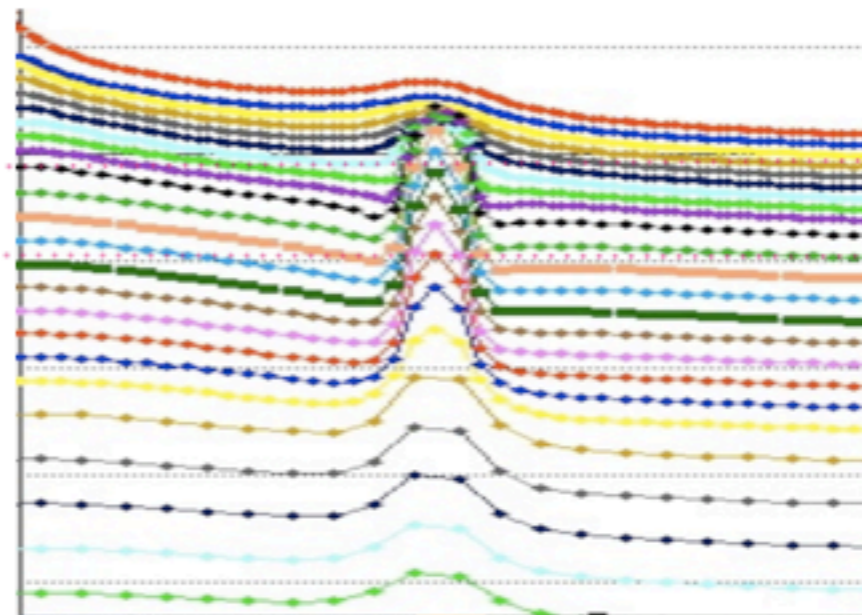
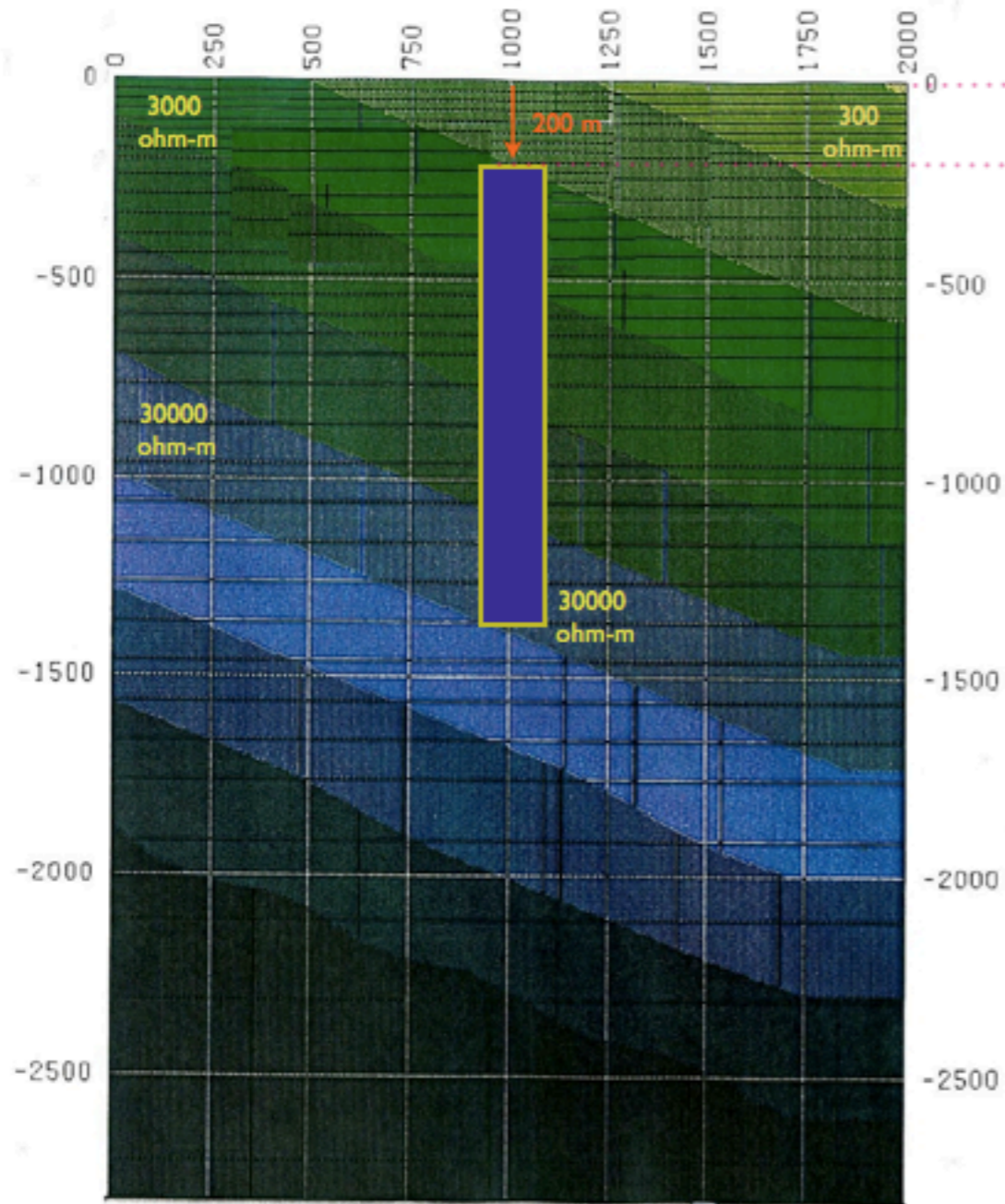


ISR Modelling: A High Contrast Resistor



Left: A model of a vertical resistor in a variably resistive background.

Above: The electric field in the ground at various depths is plotted at one time channel. The upper profile (red line) is the response that would be measured in an ISR survey. The electric field rises inside the resistor, resulting in an electric field high at the surface over the resistor of approximately 40%. The increased background resistivity to the left of the conductor results in the ISR high seen there.