

- A-6 -

Channel 41 is the depth channel. A depth estimate which is negative will occur when conductive overburden exists. A negative depth estimate implies that the conductive material occurs above the daylight surface. This false estimate shows that the EM system has responded to the conductive surface material and had also sensed the underlying resistive rock. In Fig. A1, the positive depth estimate of about 100 m is close to the true depth for this bedrock conductor.

Channel 42 is the conductivity contrast which highlights resistivity lows. Channel 43 is the depth contrast, which usually is not plotted. Both channels 42 and 43 tend to yield positive responses over bedrock conductors at depth. Channel 44 is the multiple of channels 42*43. Consequently, channel 44 tends to yield large positive responses over bedrock conductors at depth. The interpretation of channels 42 and 44 has to be done with care, however, because they may also respond in a similar fashion to a local thickening in conductive cover, e.g., over a buried river channel.

Channel 50 provides an estimate of the percent by weight of magnetite. This computation is made whenever