

New Techniques in Volumetric Imaging and Photographic Documentation of Salt Contaminated Soil

By

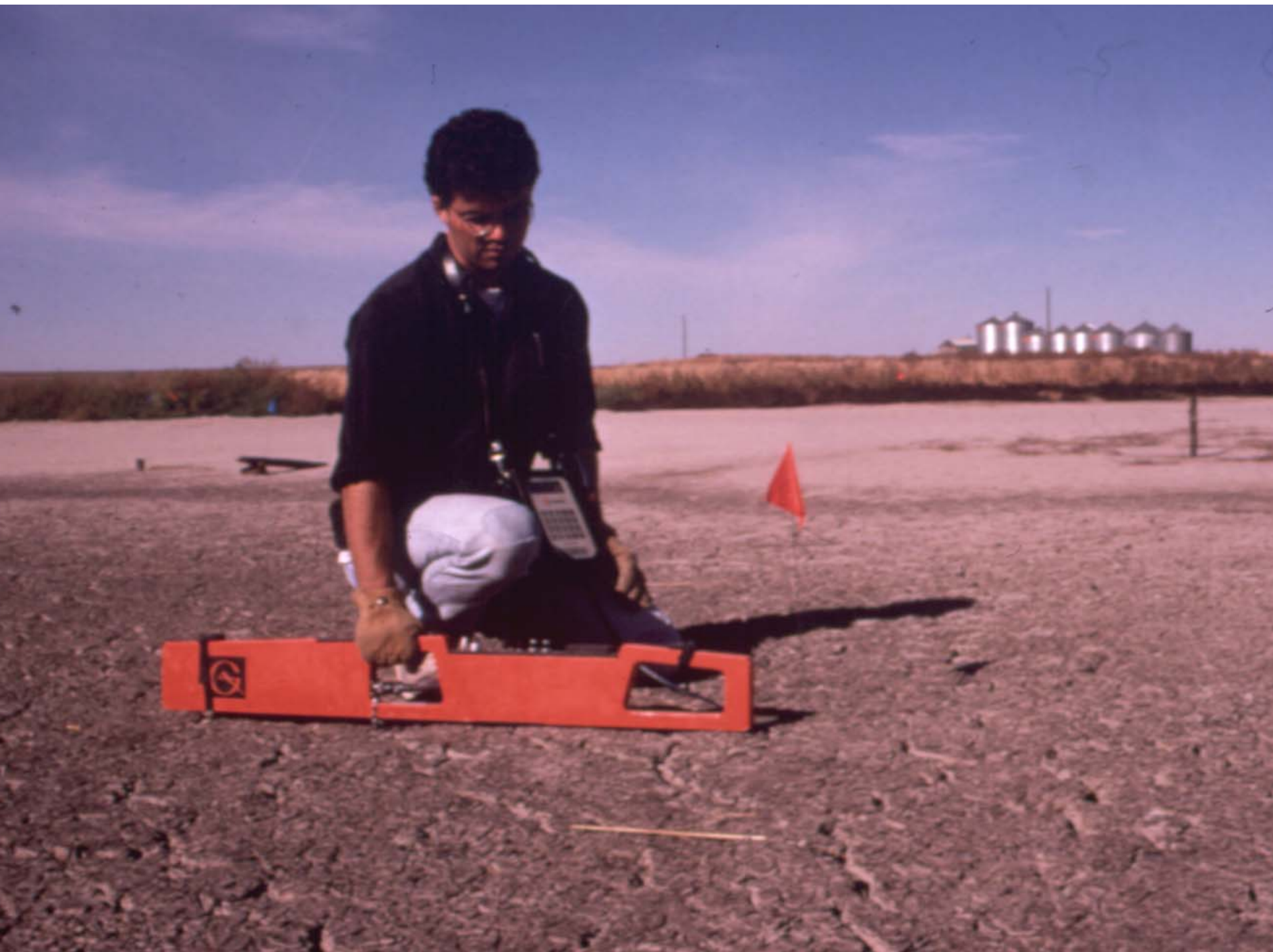
Paul Bauman

Komex International Ltd.

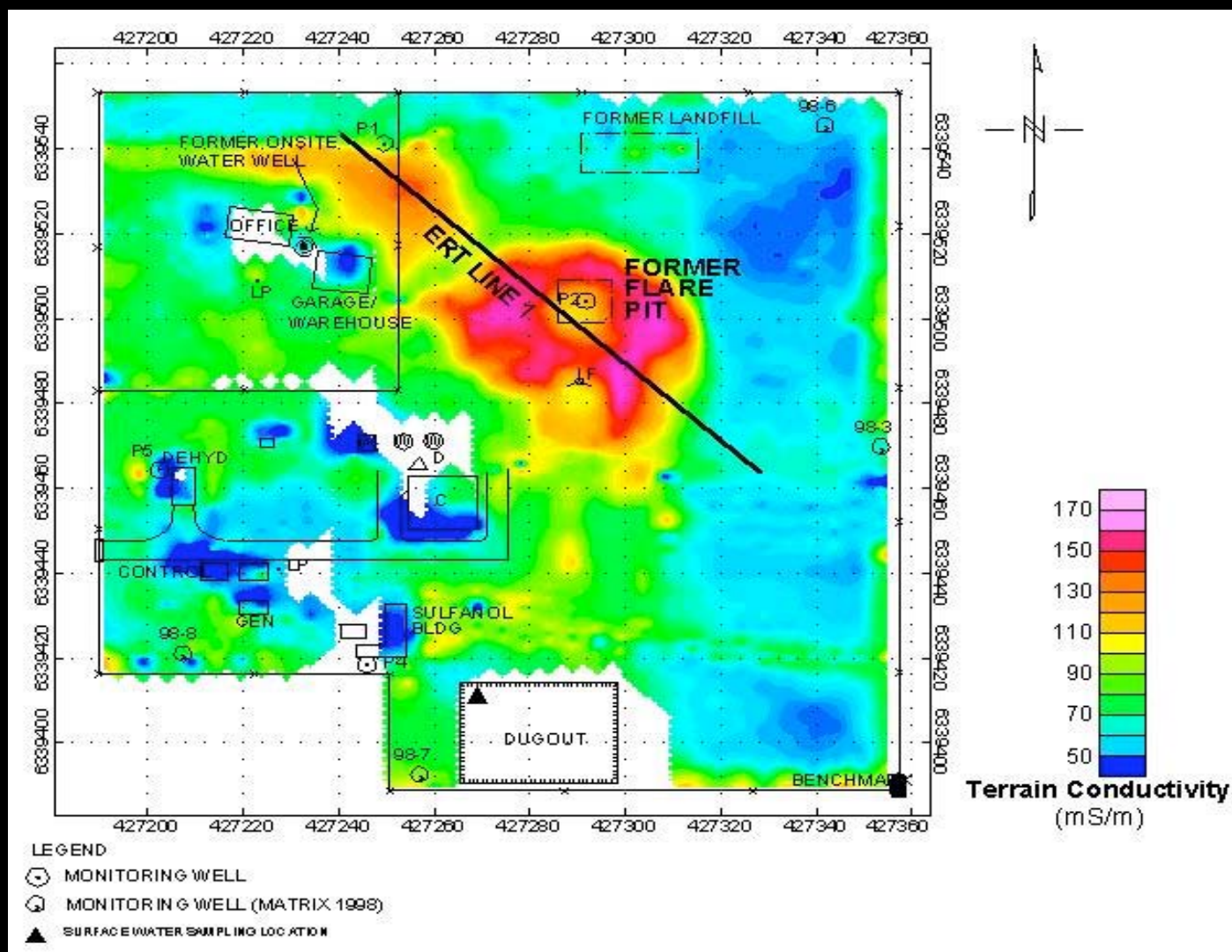
Calgary





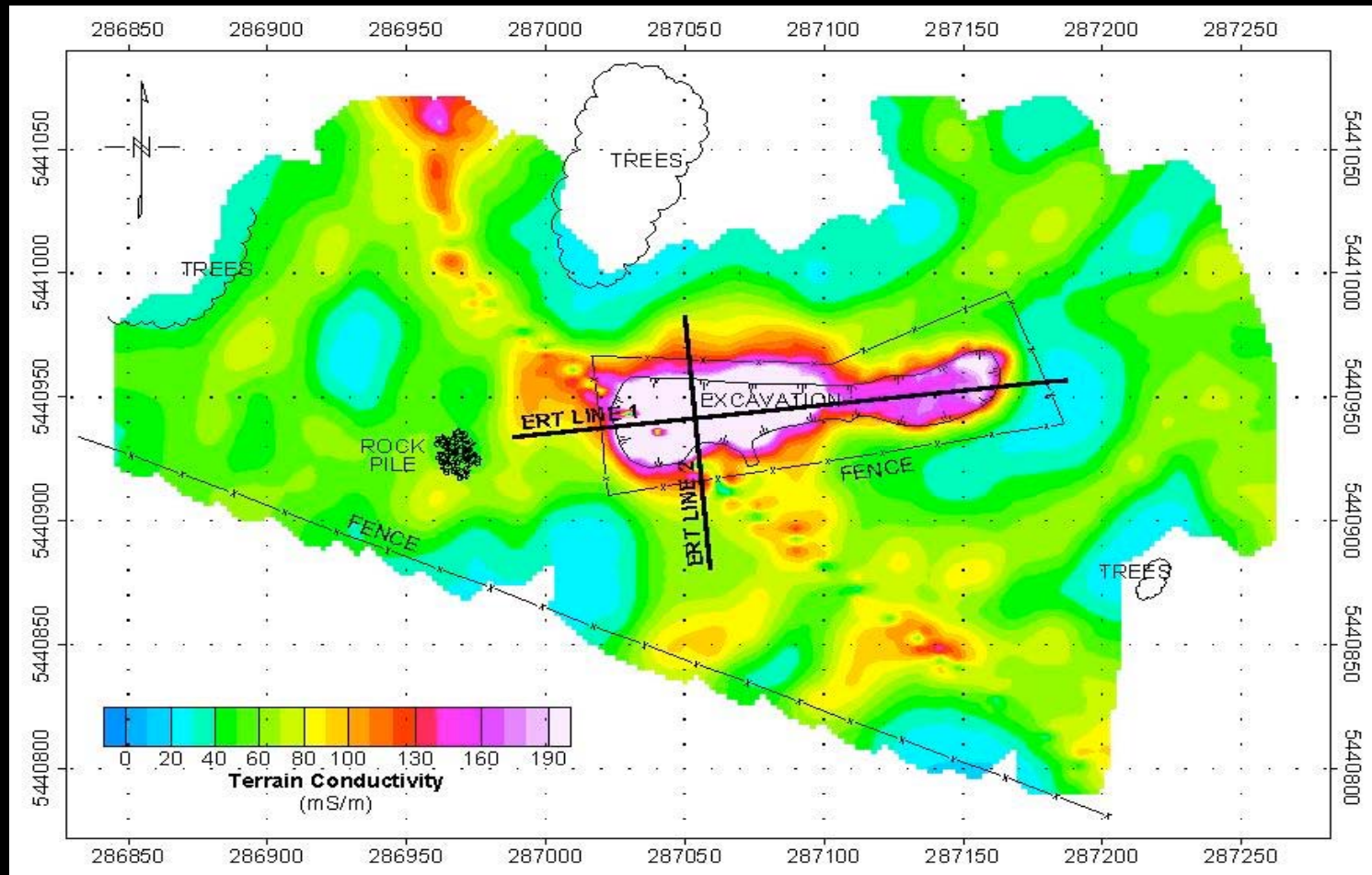


EM38 SURVEY OVER FLARE PIT

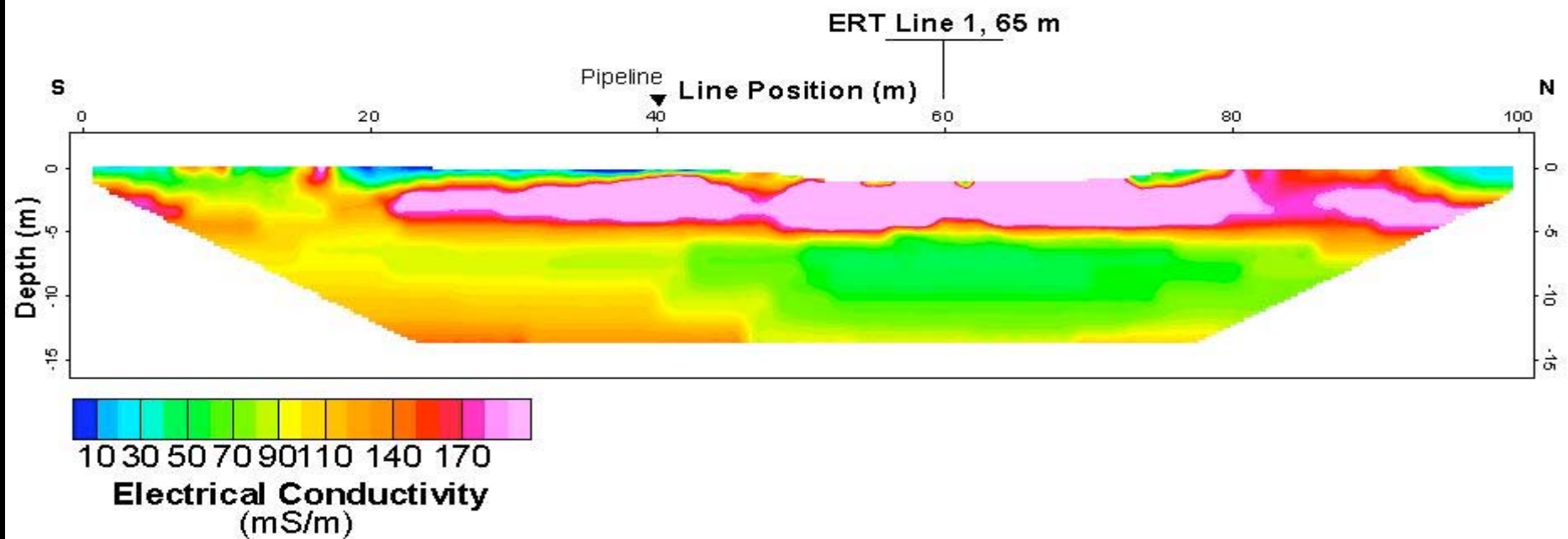




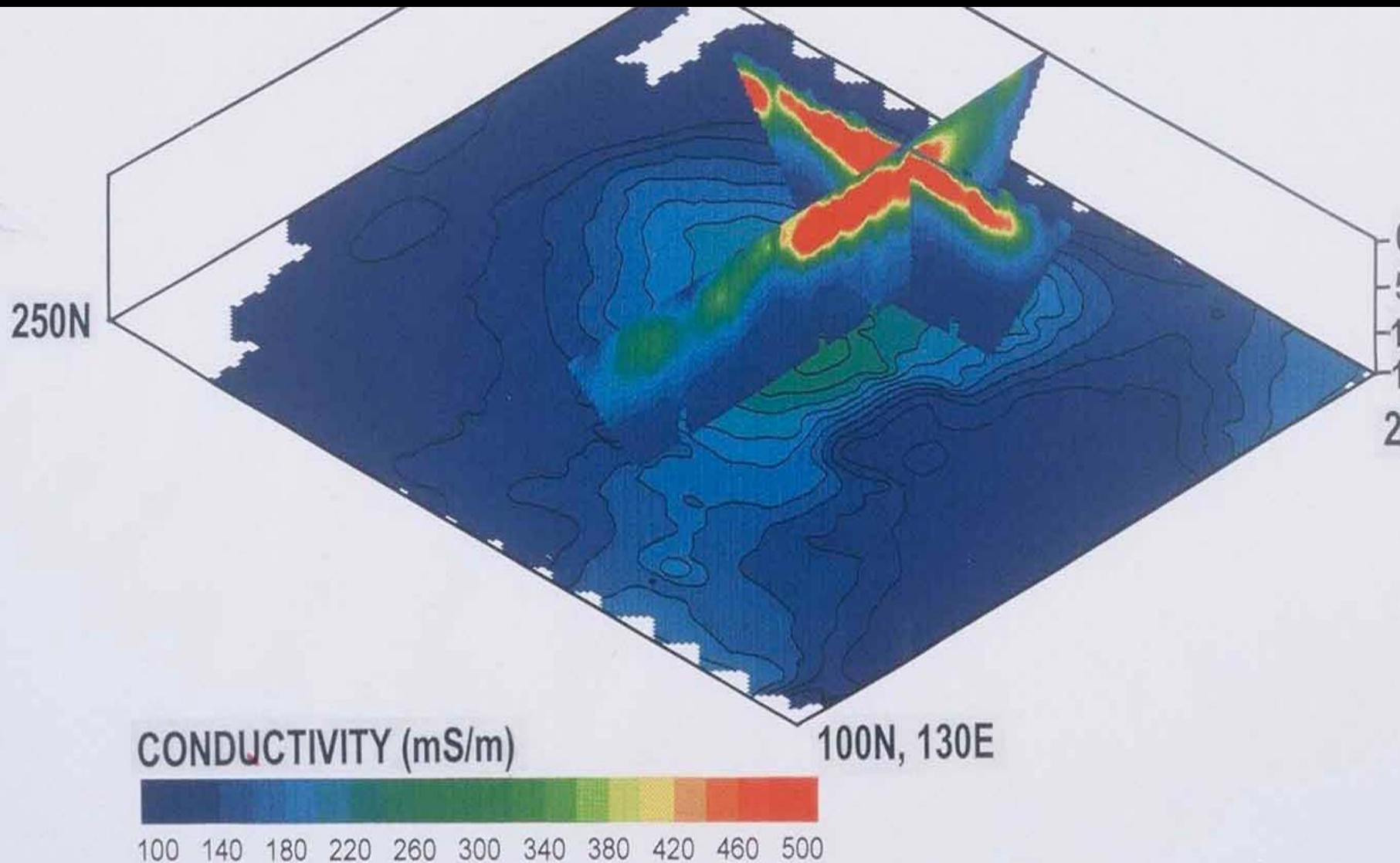
EM31 (QUAD COMPONENT) SURVEY OVER BATTERY - PIPELINE BREAK



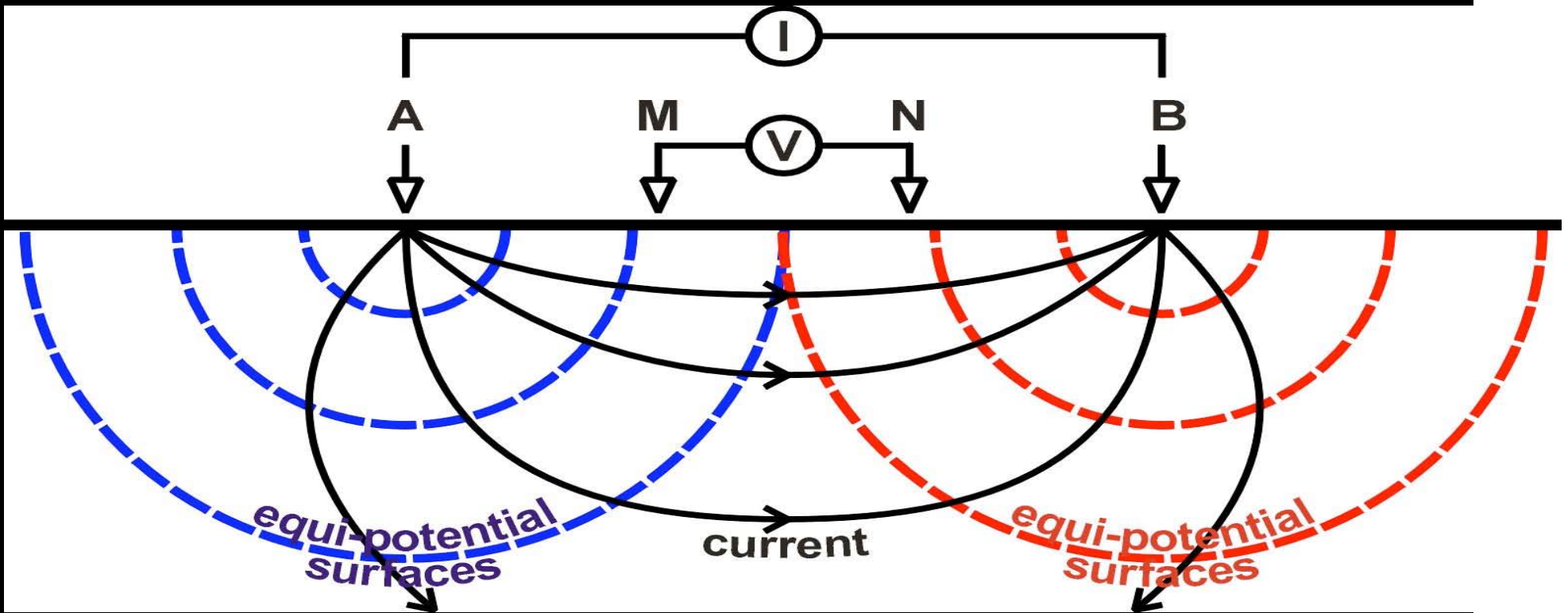
ERT LINE 2 OVER BATTERY - PIPELINE BREAK



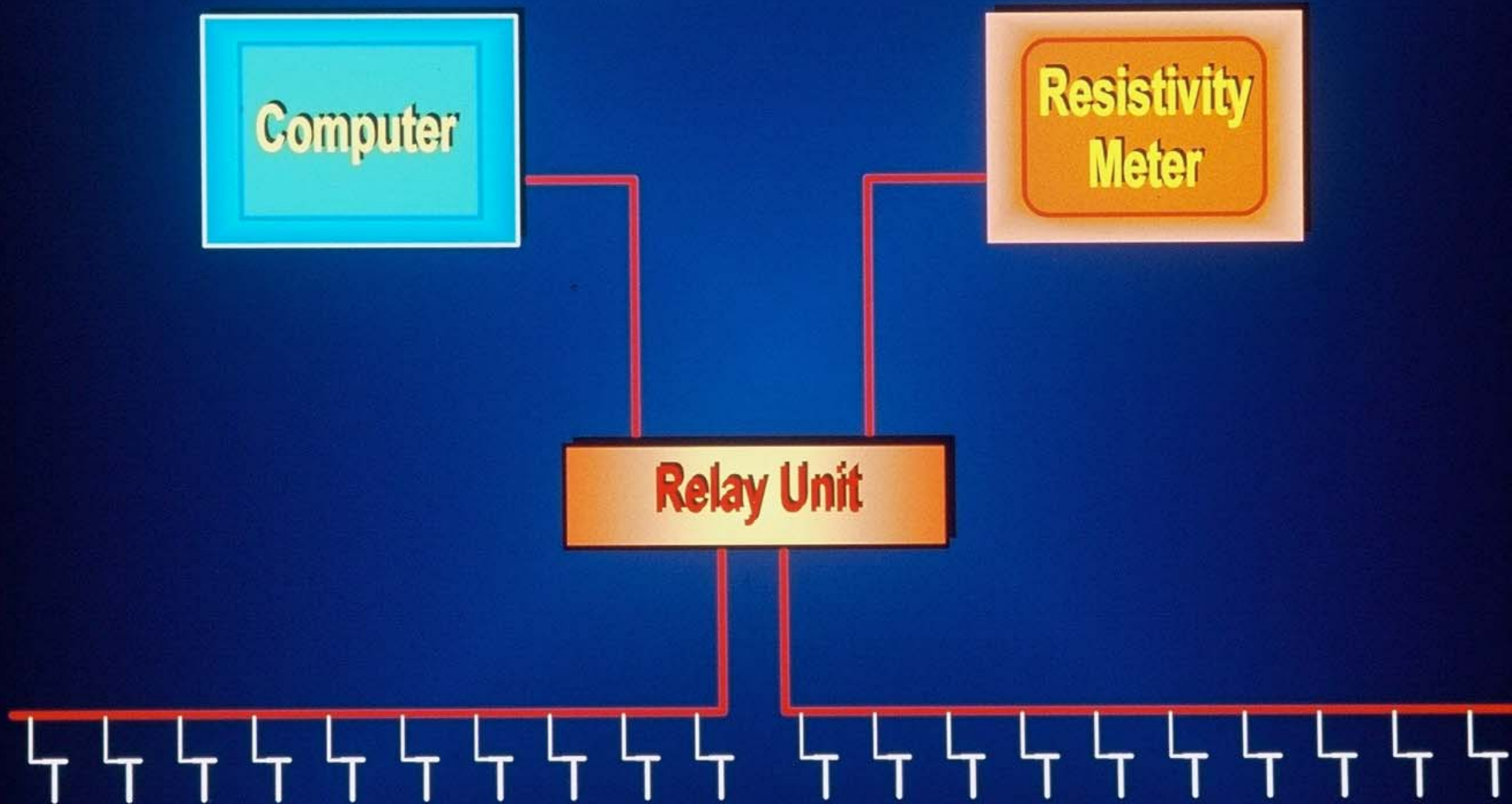
3D VIEW OF BURIED FLARE PIT ERT AND EM31 DATA



DIRECT CURRENT RESISTIVITY



BLOCK DIAGRAM OF DATA COLLECTION SYSTEM



PRINCIPLE FOR BUILDING UP A PSEUDOSECTION



Station 2



Station 1



$n = 1$



$n = 2$

1



$n = 3$

2



$n = 4$



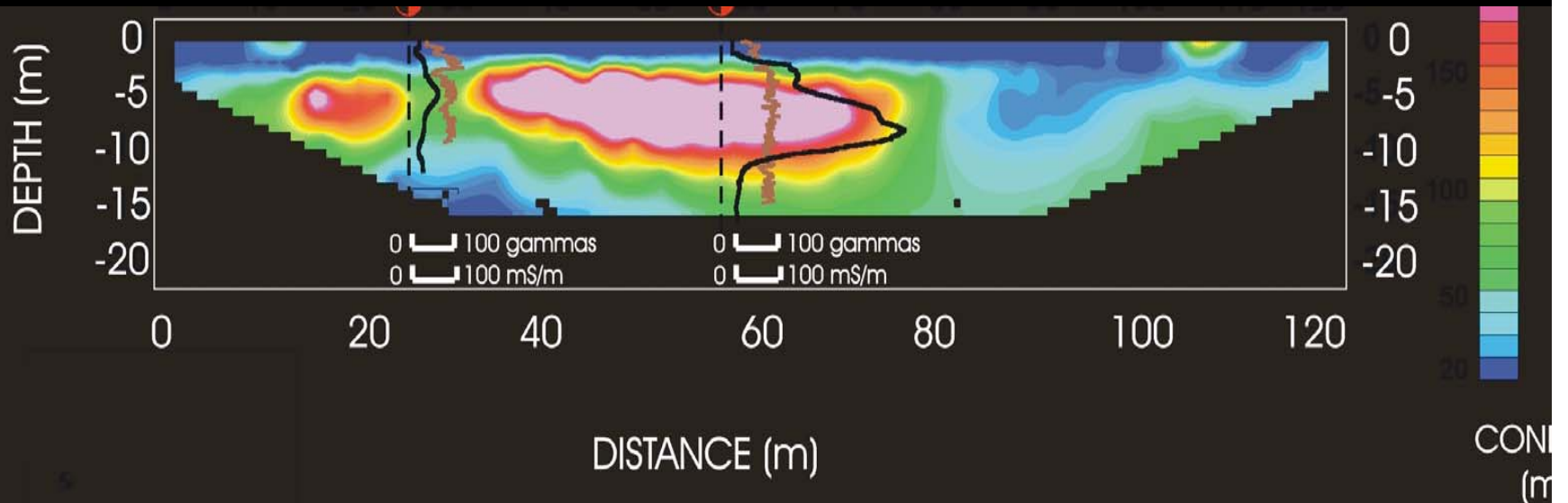
$n = 5$



5



SURFACE WATER HOLDING POND



LEGEND:

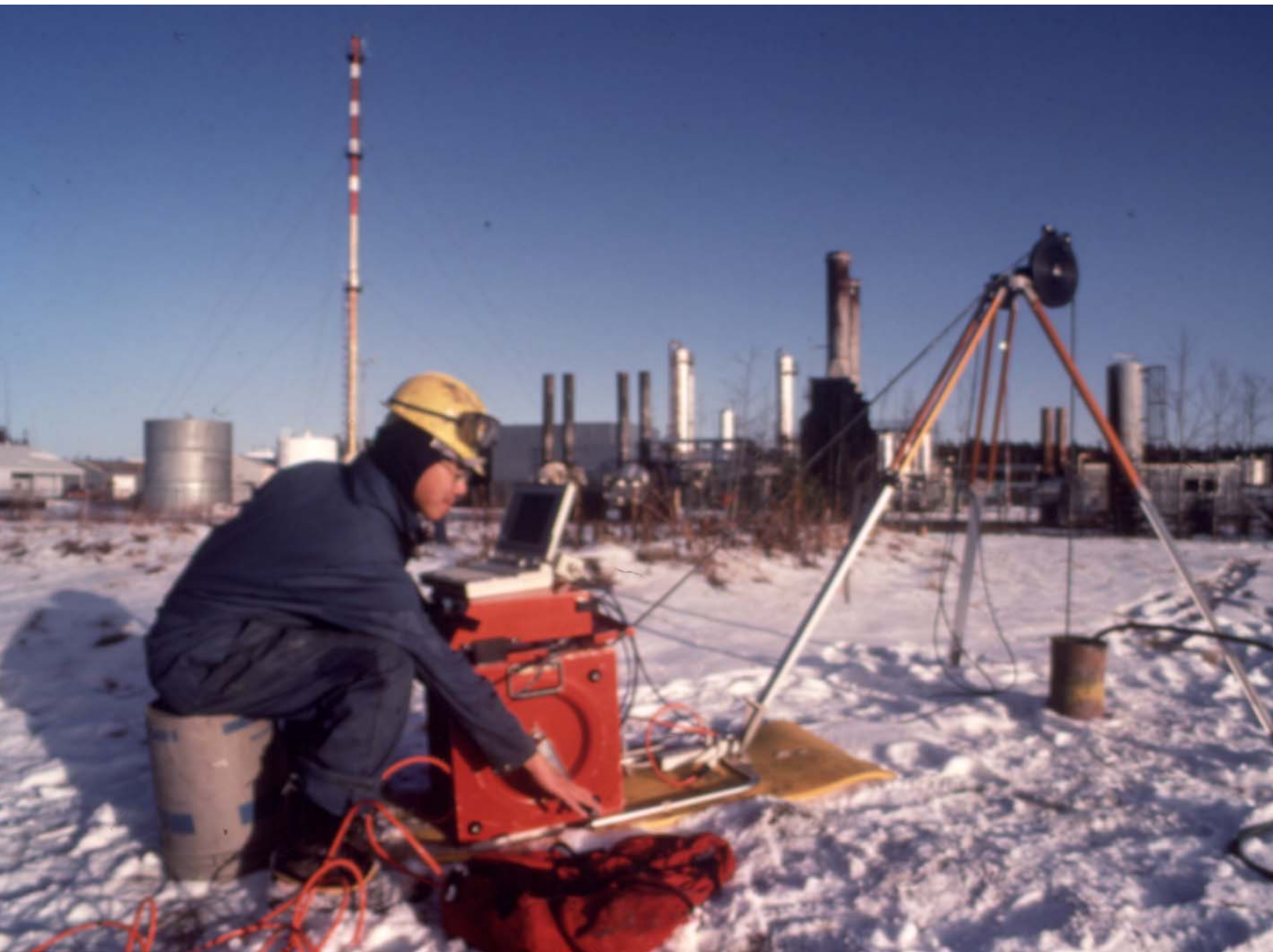


BOREHOLE



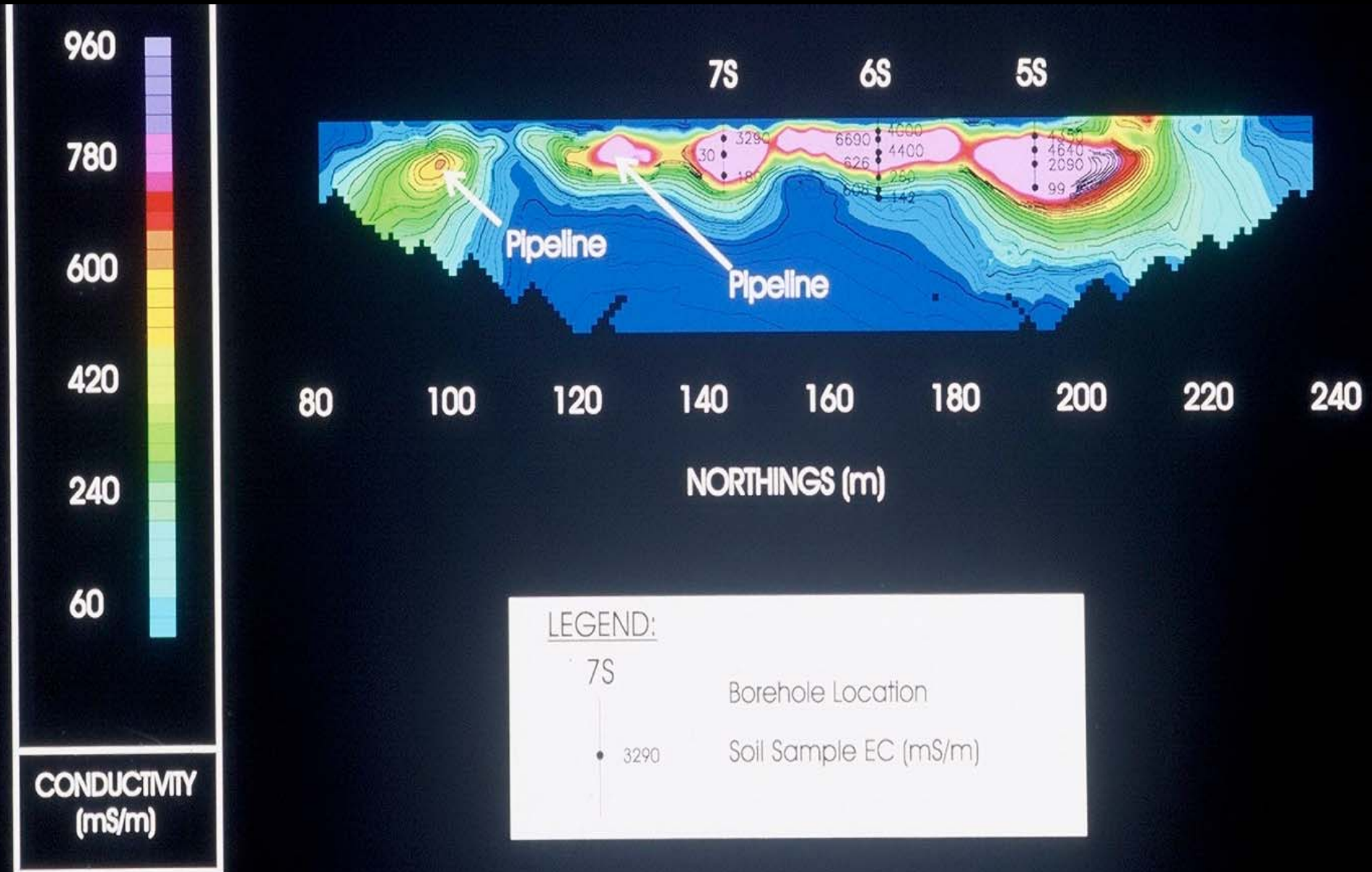
GAMMA

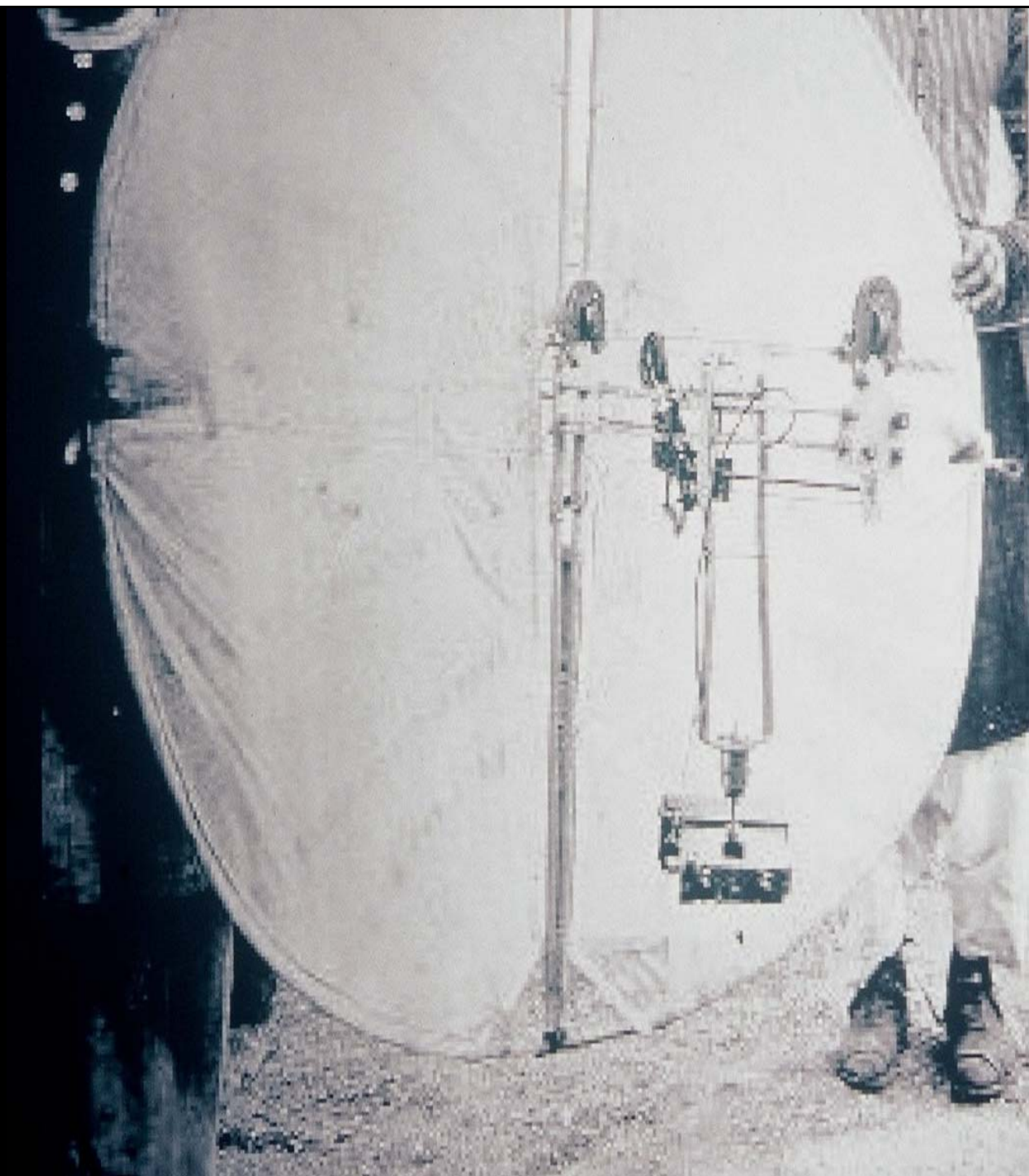






ERT LINE 1 ACROSS ACTIVE BATTERY

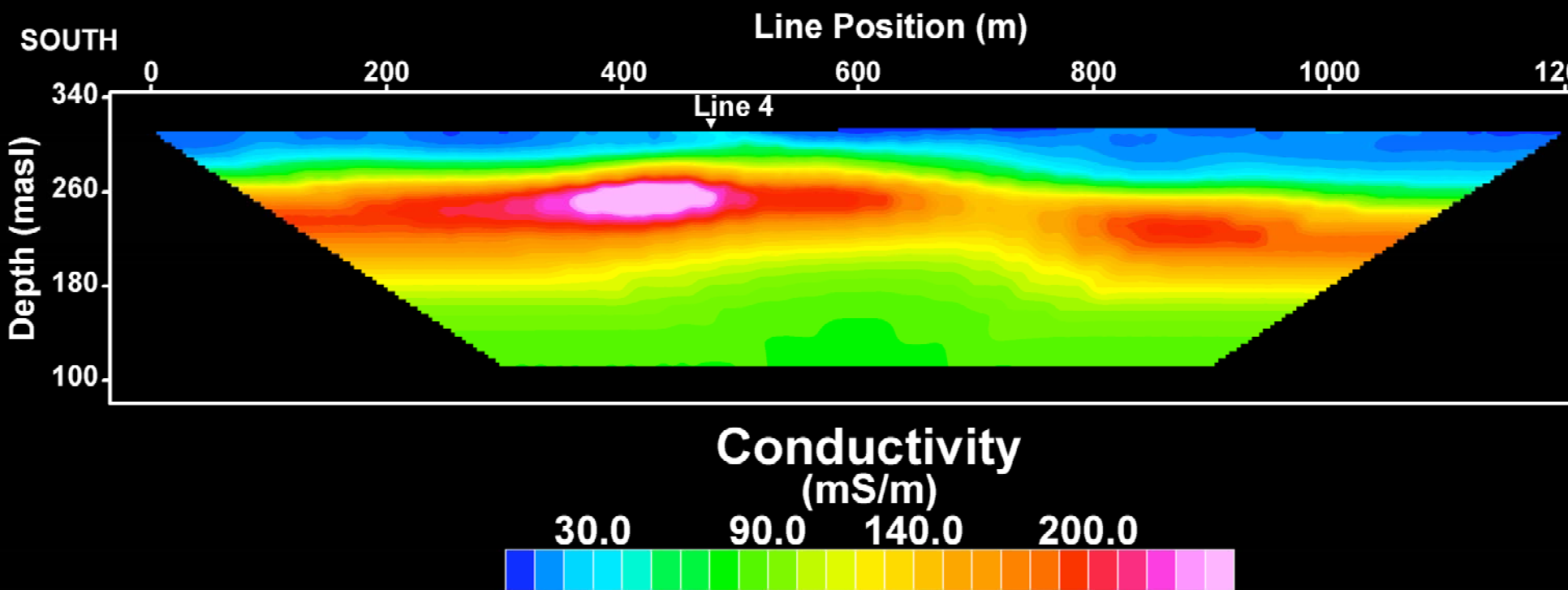




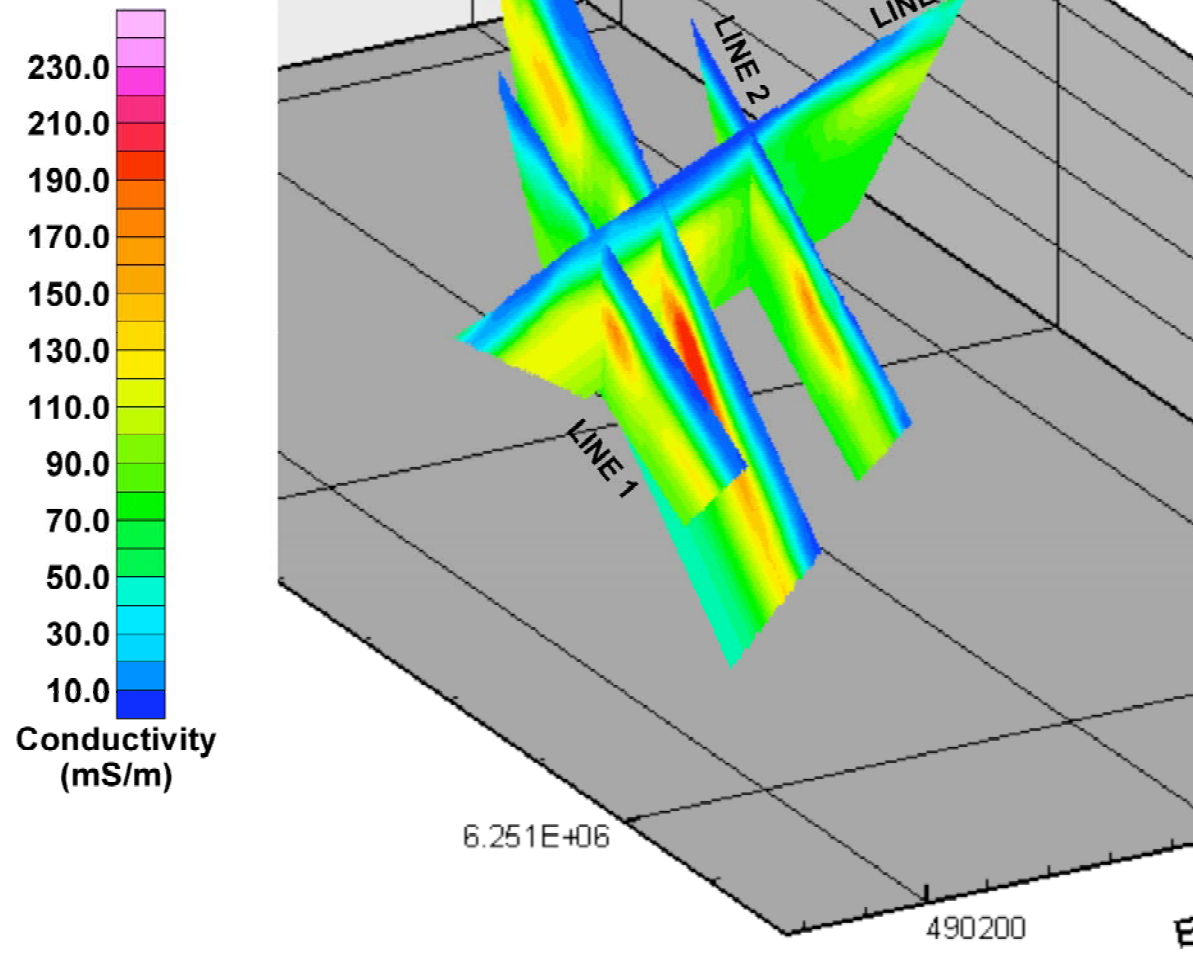




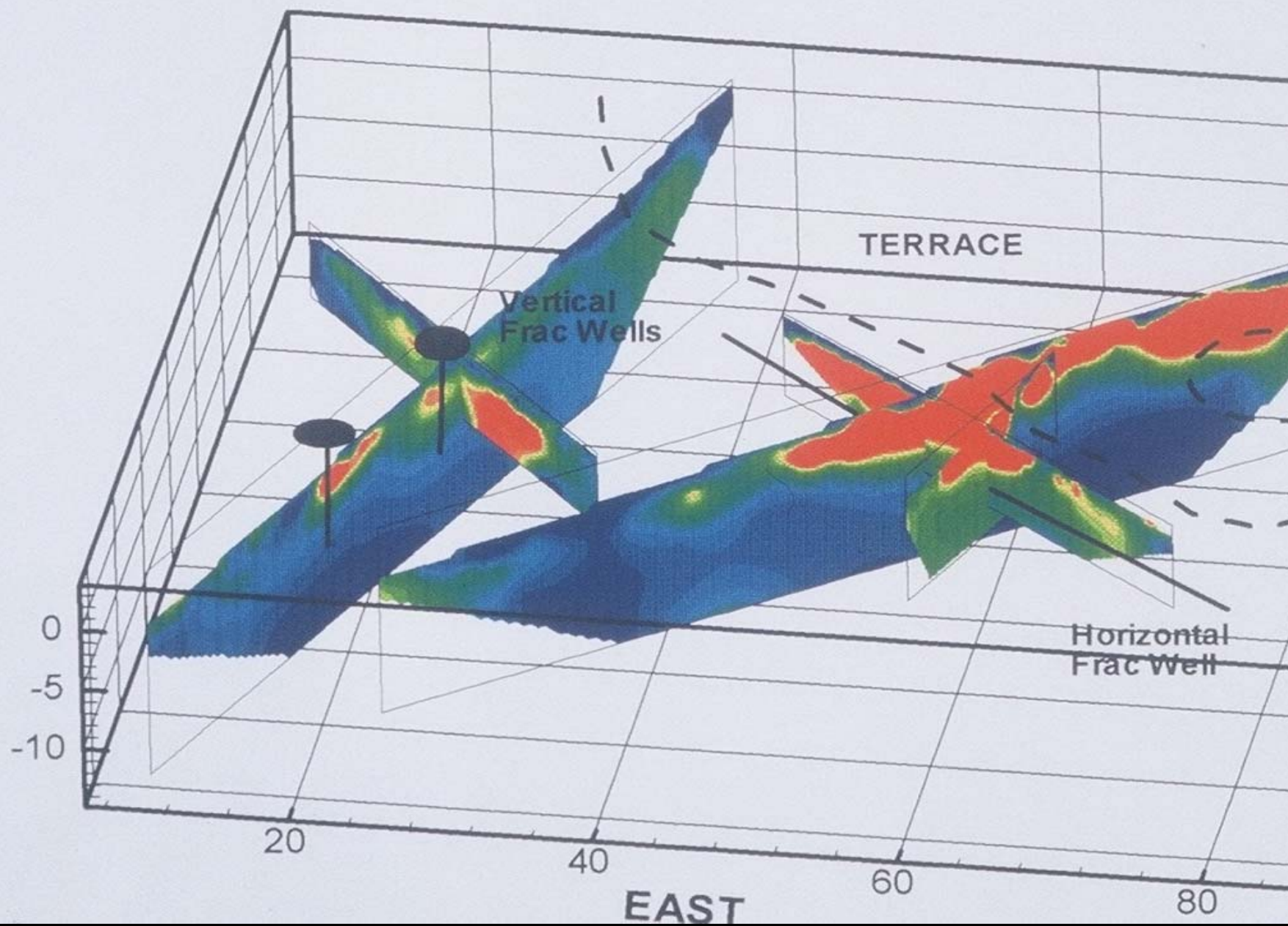
ERT LINE 5



3-DIMENSIONAL ERT PLOT (FENCE DIAGRAM)



con: 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125

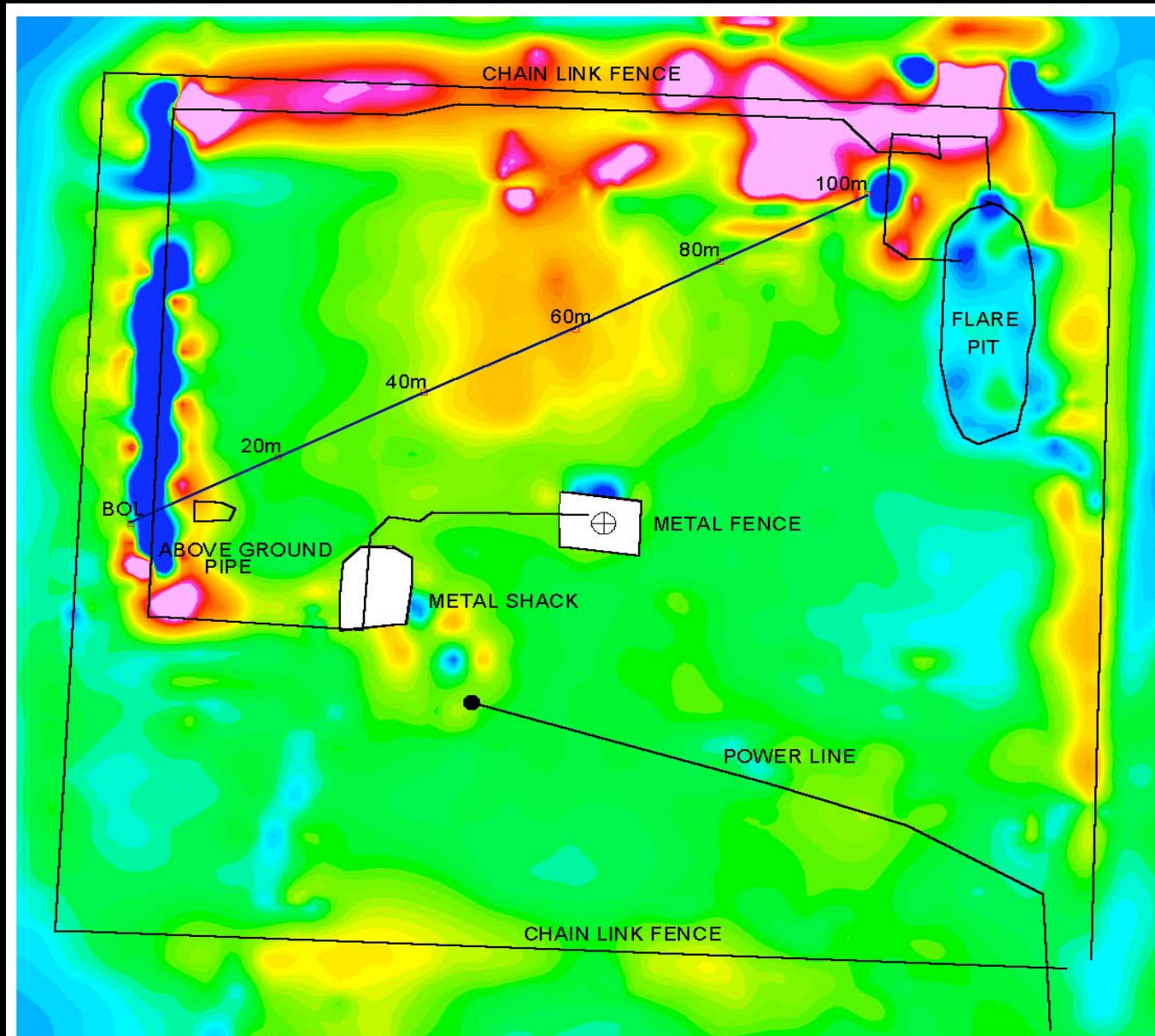


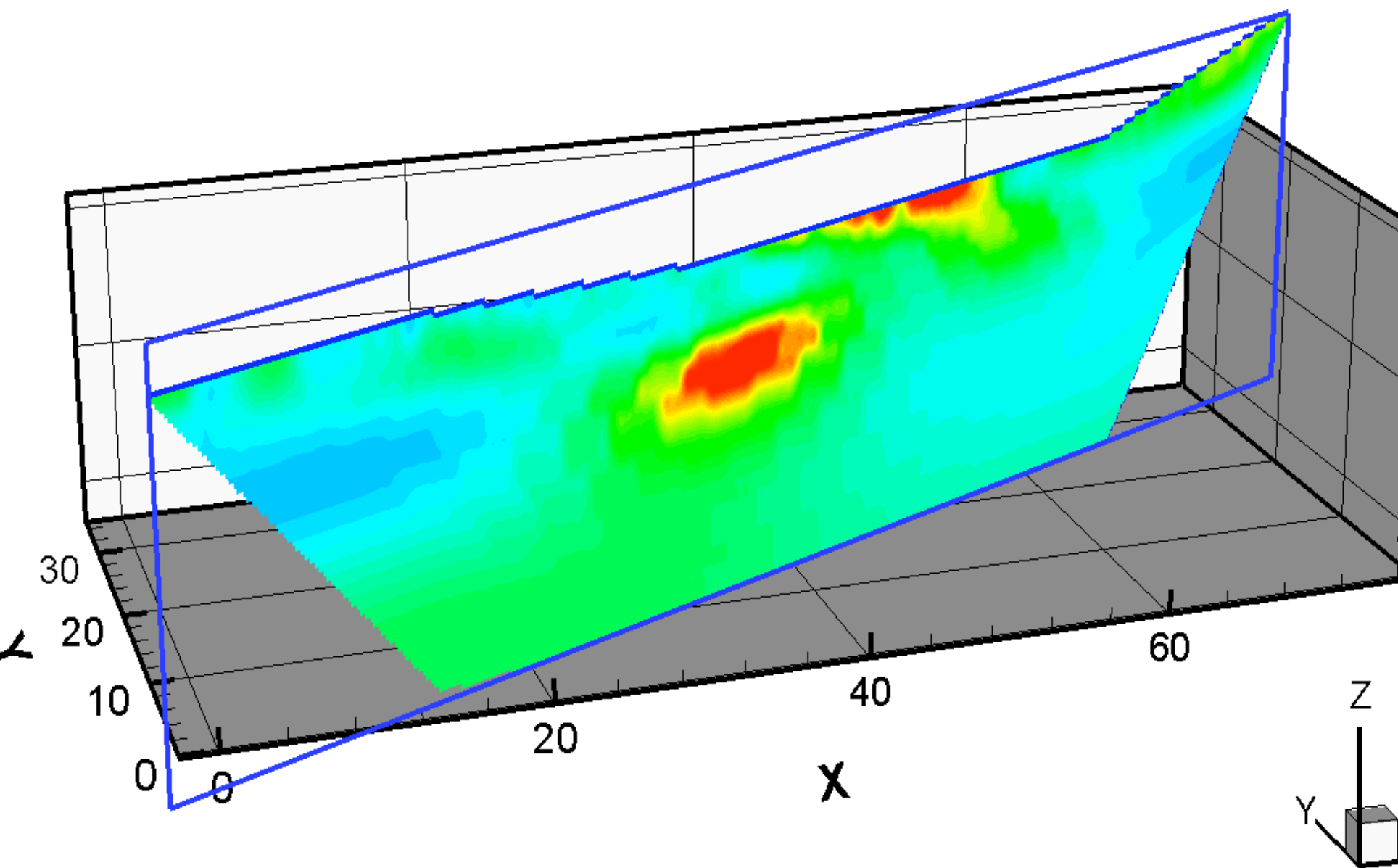


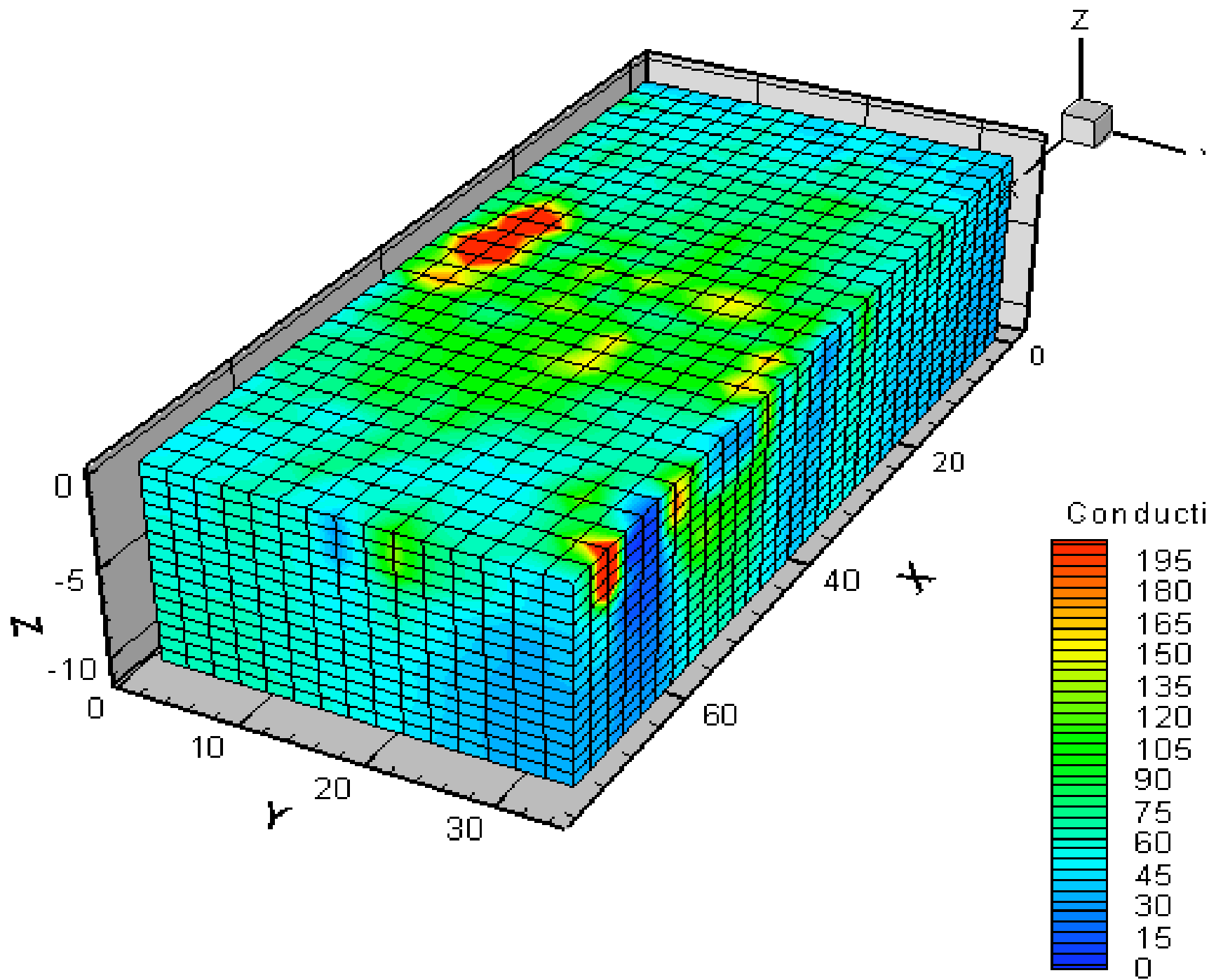


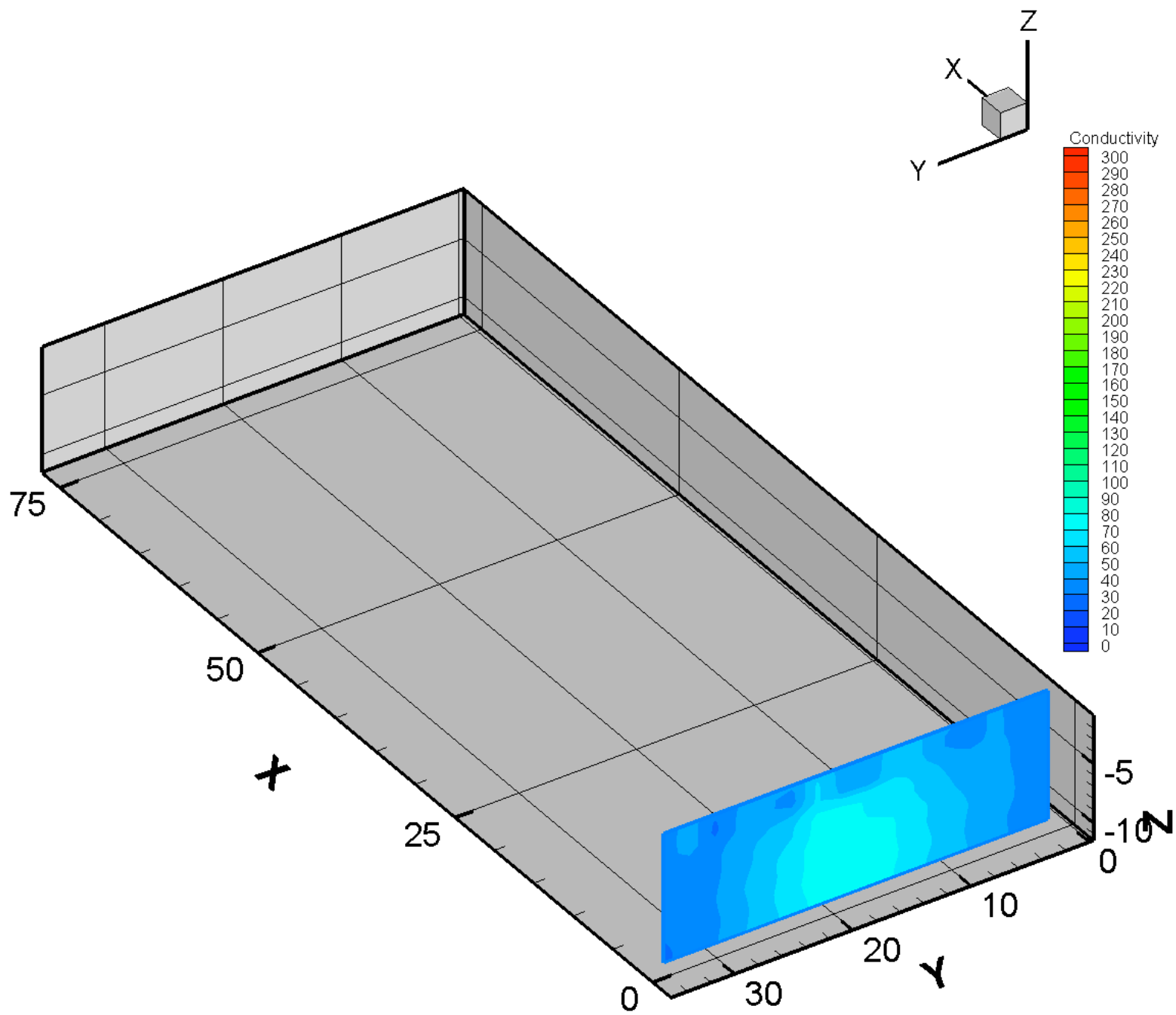


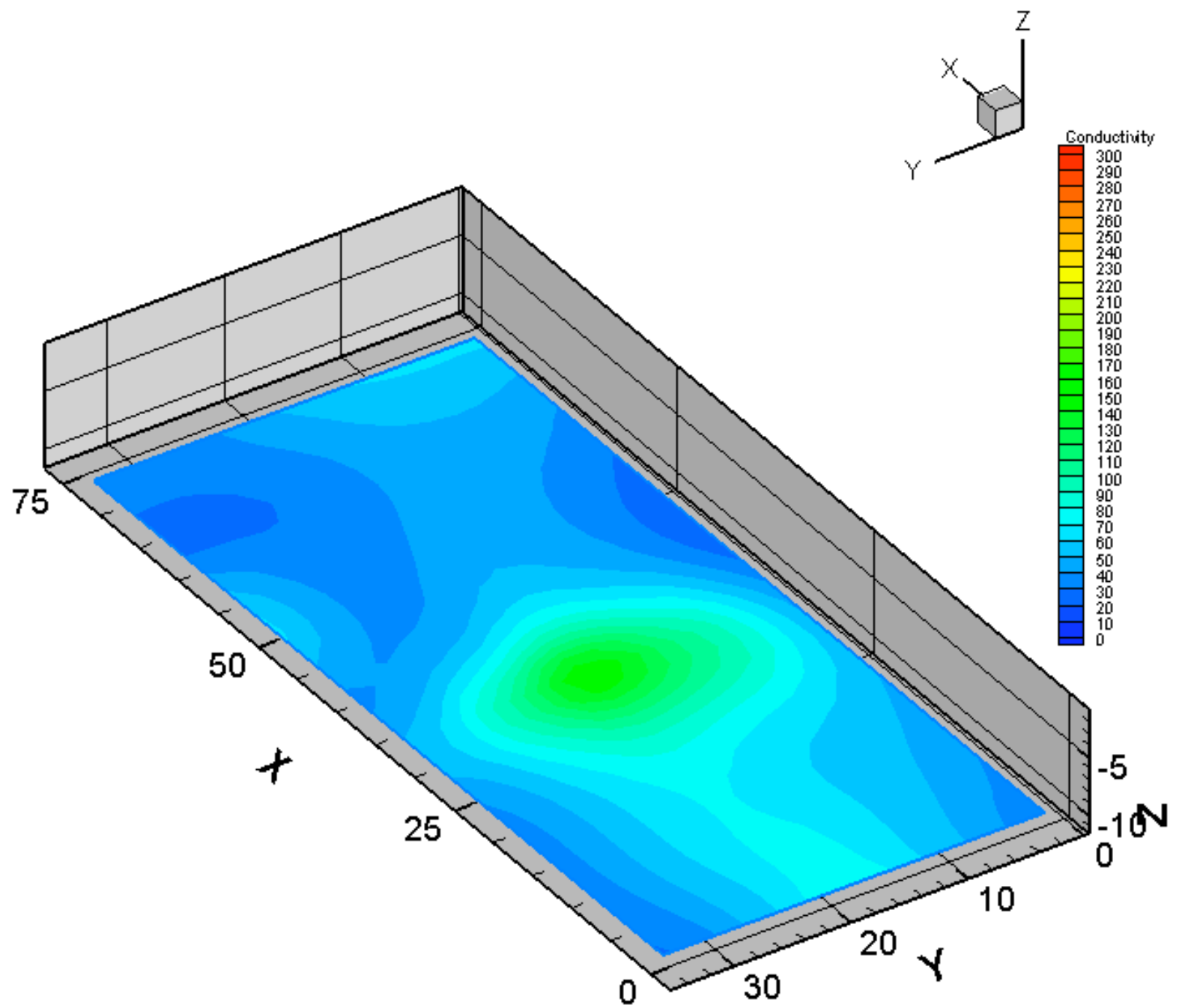
3D SITE CHARACTERIZATION

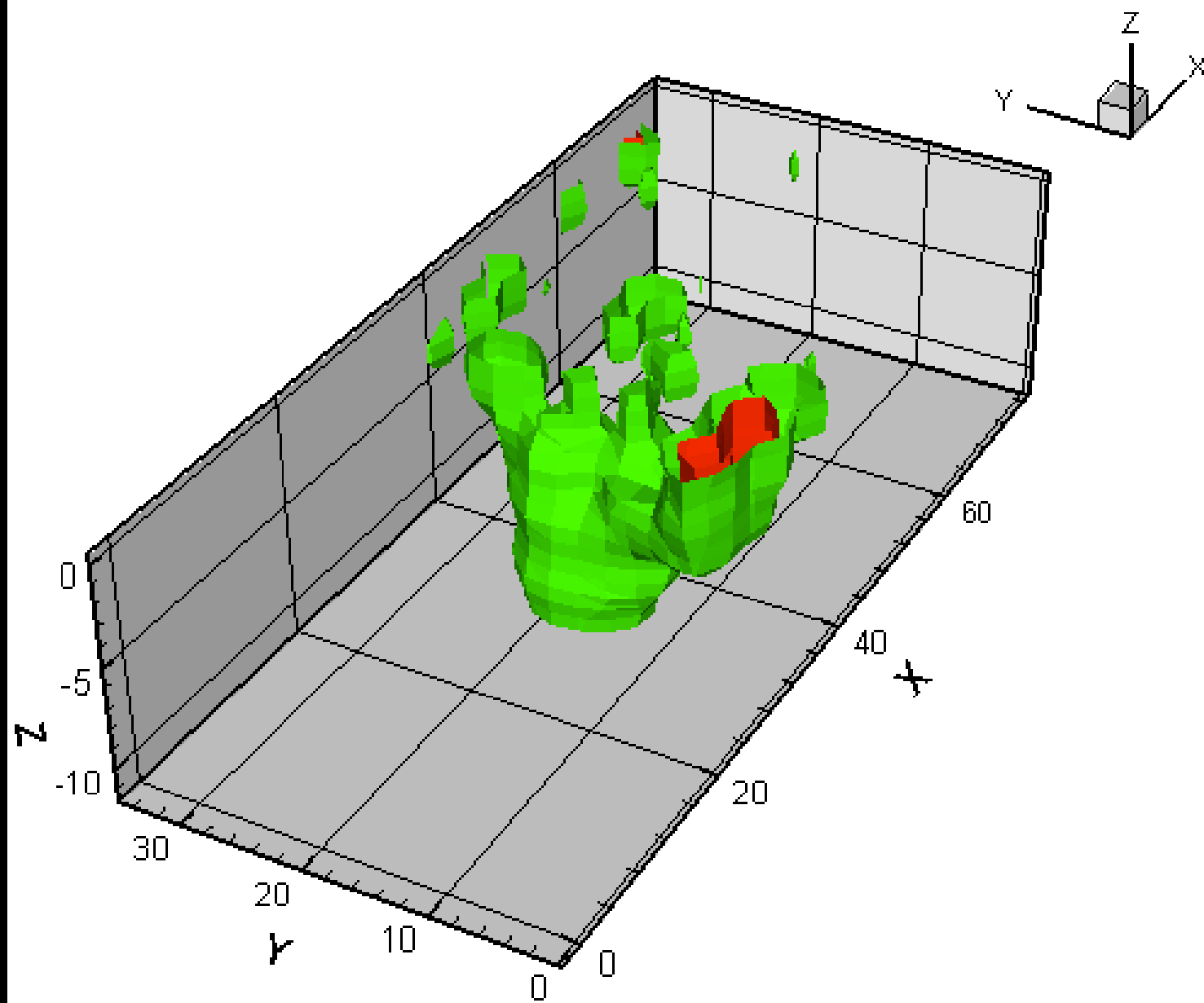




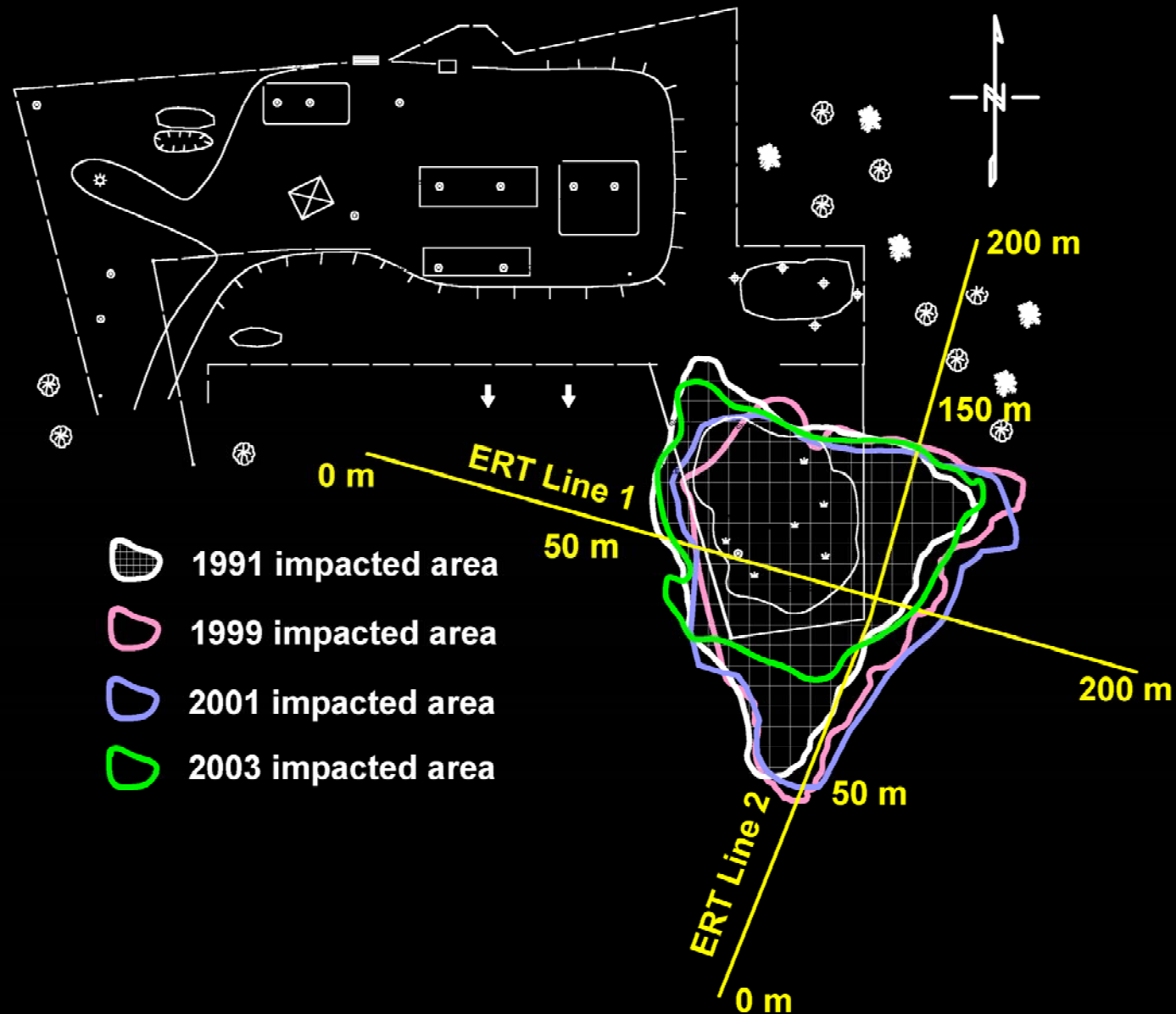




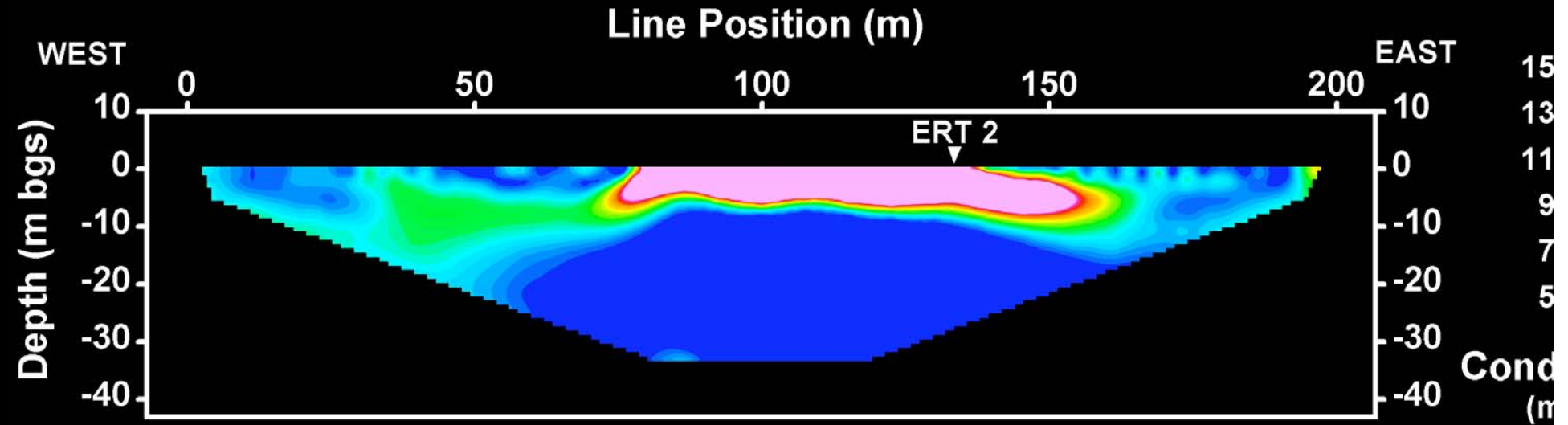




ERT LINE LOCATIONS AND TIME-ELAPSED EM DATA

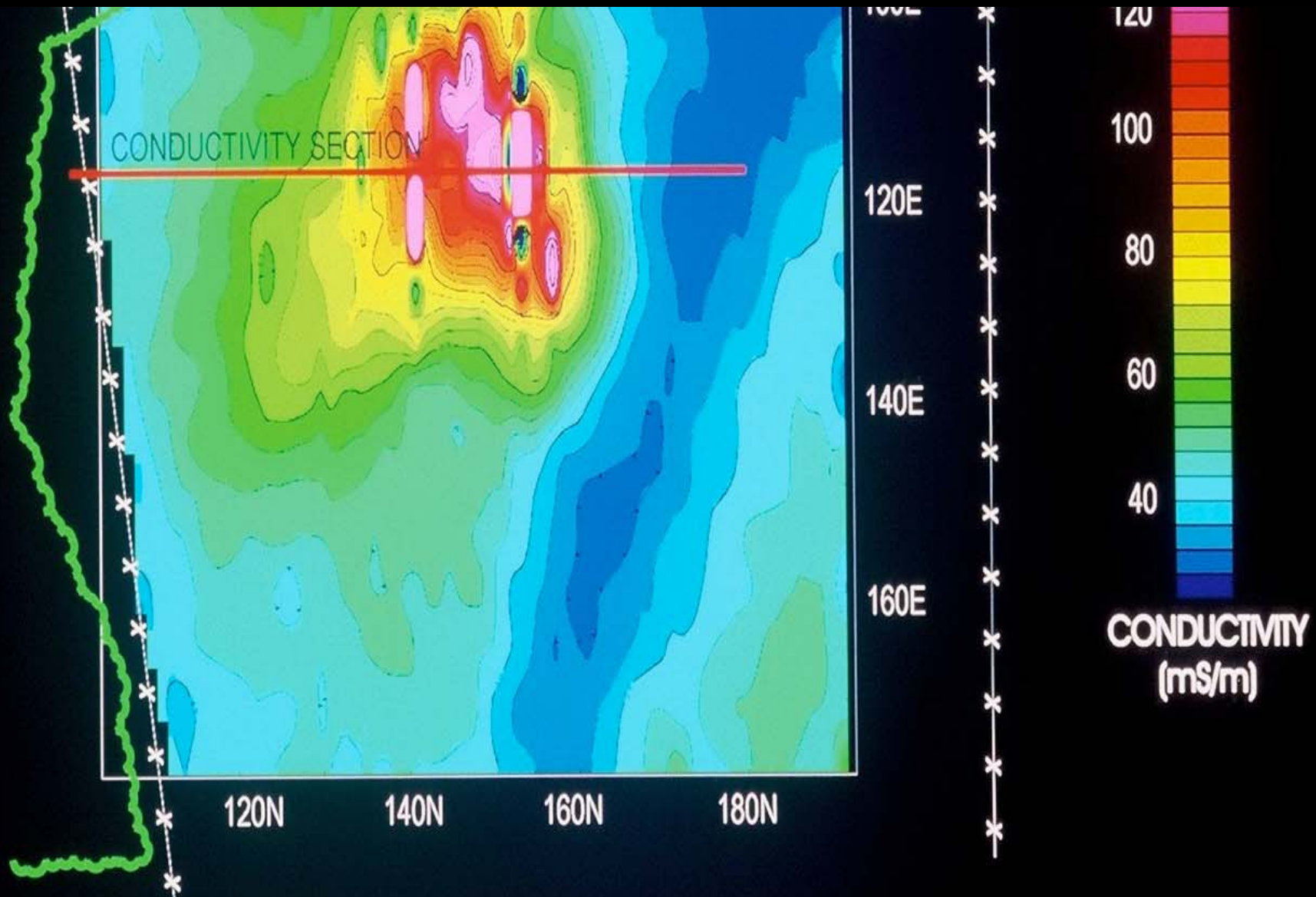


ERT LINE 1





TERRAIN CONDUCTIVITY MAP OF FLARE PIT



CONDUCTIVITY SECTION ACROSS FLARE PIT

