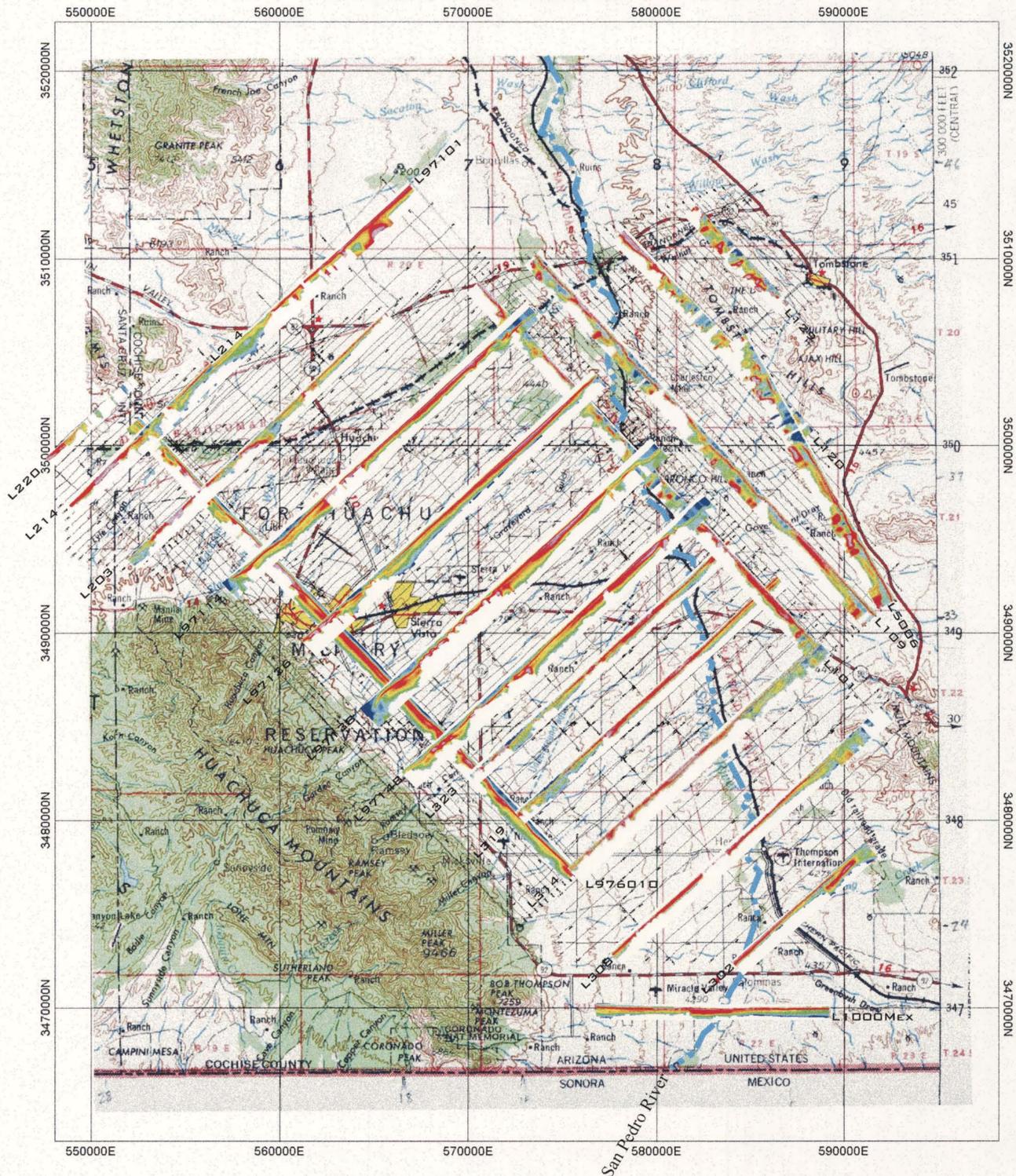


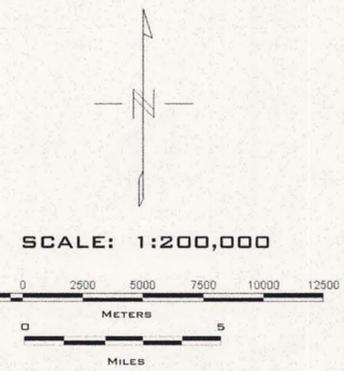
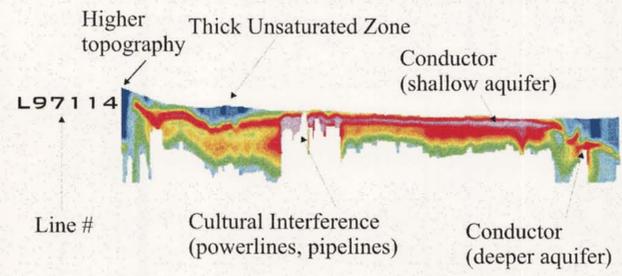
# Conductivity vs. Depth Fence-Diagram 1997 and 1999 Airborne EM Surveys



### EXPLANATION:

Conductivity-Depth Profiles (CDTs) are mathematical inversions of the 60-channel airborne Electromagnetic signal acquired by the Geotrex GEOTEM system. Inversion means simply conversion of data from signal in pico-volts per square meter to conductivity as a function of depth. Data are reliable down to about 150 meters depth, and generally meaningful down to about 400 meters depth. In this fence-diagram we generally see red where there is water; the depths are only approximate, but the deepest part of each CDT section is about 400 meters deep. We can use this fence-diagram to get a good idea of where the water in the Upper San Pedro Basin is, and how it deepens (towards the west) and shallows (towards the San Pedro River on the east).

### LEGEND: A TYPICAL CDT: (VERTICALLY EXAGGERATED)



US Army Ft. Huachuca Garrison  
 Flightline Map on Topography  
 San Pedro (1997) and Tombstone (1999)  
 Airborne Geophysical Surveys  
 Jeff Wynn - USGS

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