



Flown under contract by

# DIGHEM<sup>II</sup> SURVEY

WESTERN SAN JUAN MOUNTAINS, COLORADO

## ELECTROMAGNETICS

FOR

U.S. GEOLOGICAL SURVEY

0 1/8 1/4 1/2 3/4 1  
MILES

Flight line

Fiducials and numbers

ANOMALY GRADE	EM GRADE SYMBOL	WIDE RANGE	DIGHEM anomalies are divided into six grades of conductivity... The actual value is plotted beside the EM grade symbol. The letter is the anomaly identifier. The horizontal rows of dots indicate conductivity anomalies on the flight record, and the vertical column gives the estimated depth. This depth may be unreliable because the stronger part of the conductor may be deeper or to one side of the flight line, or because of a shallow dip or conductive overburden effects.
6	●	≥ 100	
5	●	50-99	
4	●	20-49	
3	●	10-19	
2	●	5-9	
1	○	≤ 4	
	×	Possible conductor	

  

CONDUCTOR GRADE	EM GRADE SYMBOL	WIDE RANGE	DIGHEM maps are designed to provide a correct impression of conductor quality by means of the conductivity grade symbols. The symbols can stand alone with geology when getting a following program. The actual value is plotted for those who wish to correlate with depth. The anomaly, depth and depth are indicated by conductivity dots, which should not be confused with the conductor. The map provides an impression of all conductors in terms of length, strike direction, conductivity and depth. The symbols having the same line spacing.
5	●	≥ 100	
5?	●	50-99	
1	○	20-49	
1?	○	10-19	
7	○	5-9	
7?	○	≤ 4	
○	×	Possible conductor	

100% Direct magnetic correlation of 100 percent