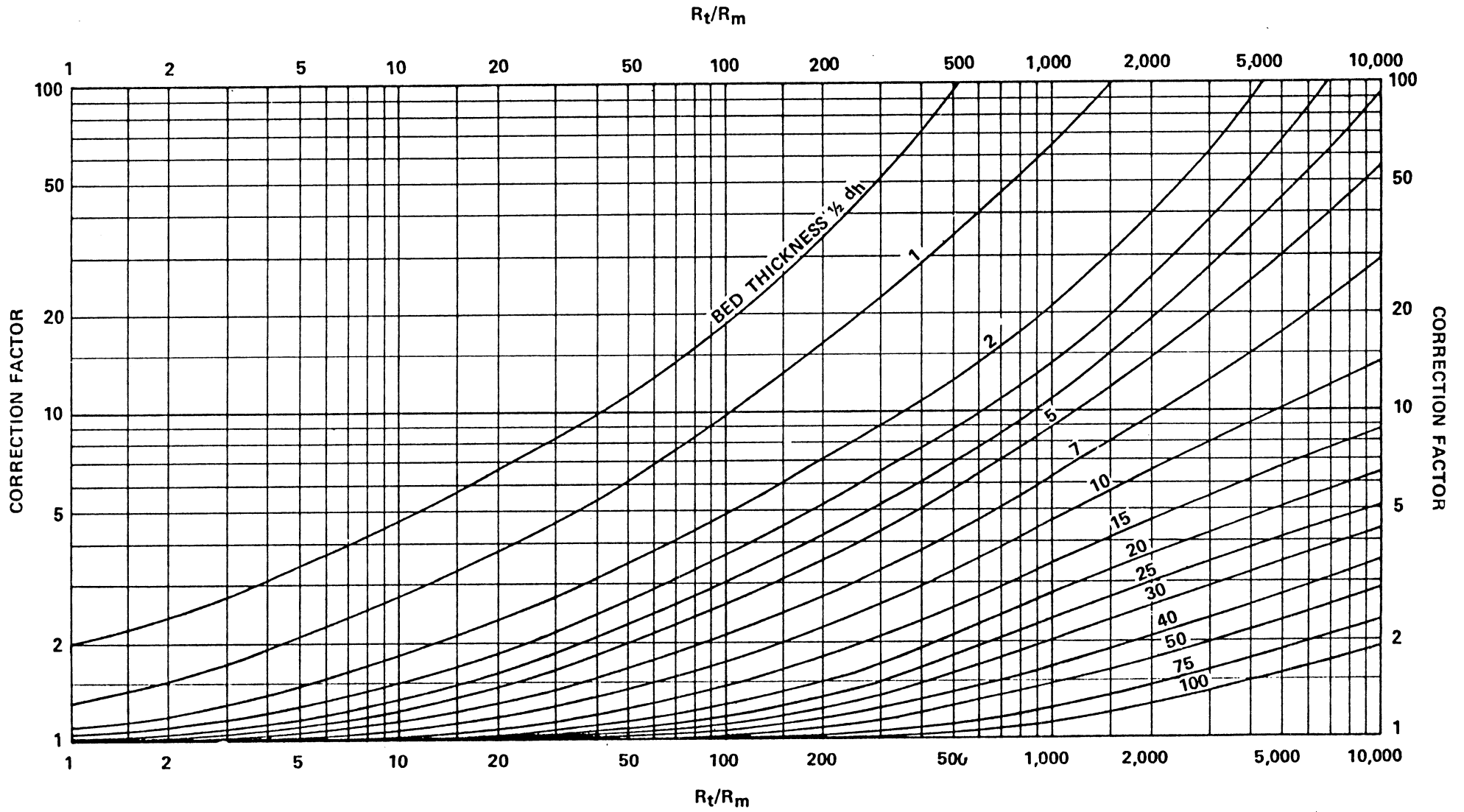
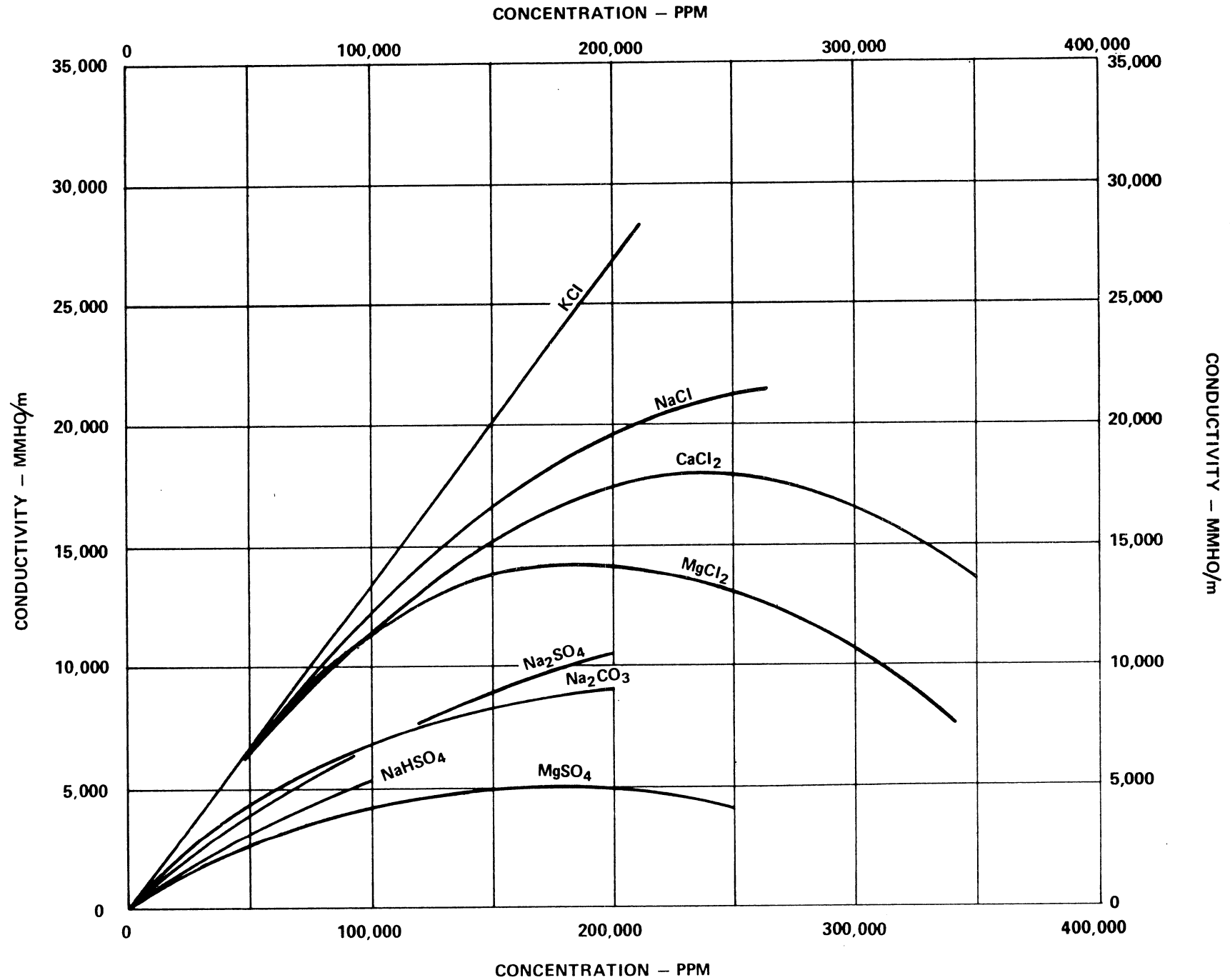


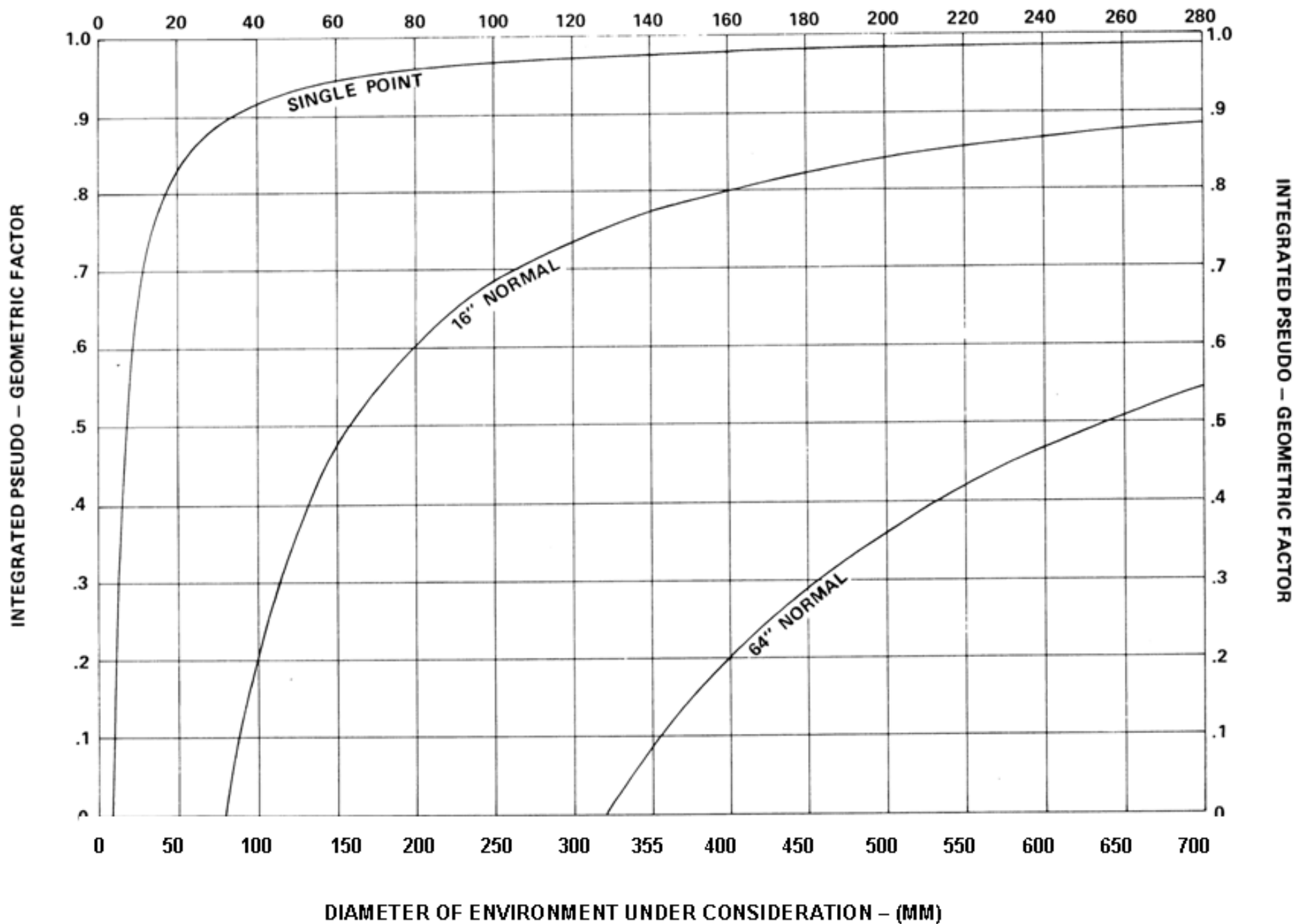
# SP CORRECTION FOR BED THICKNESS



# CONDUCTIVITY VERSUS CONCENTRATION FOR VARIOUS SALT SOLUTIONS AT 18°C

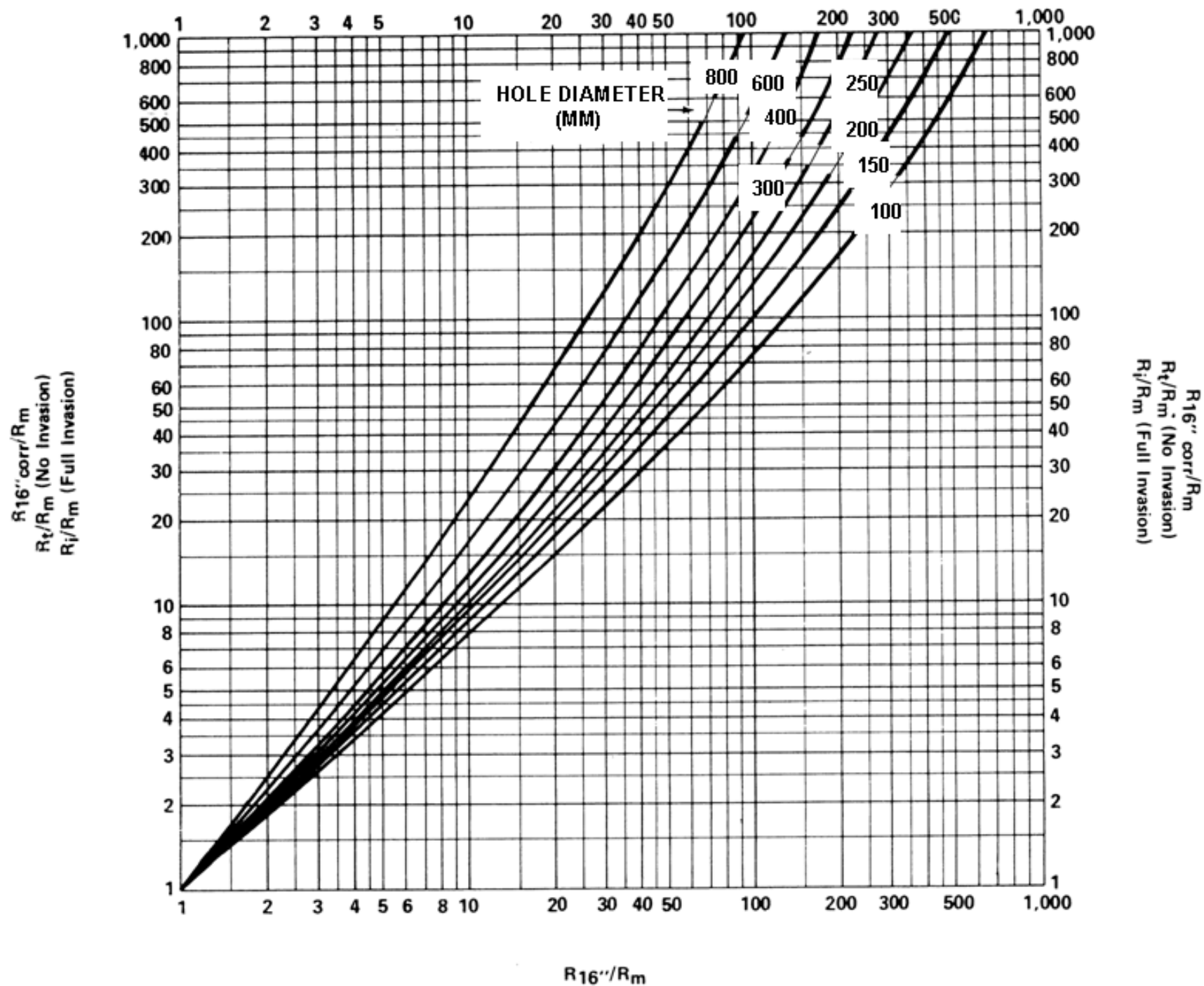


RADIAL INVESTIGATION CHARACTERISTICS OF VARIOUS RESISTIVITY TOOLS  
 (INFINITE HOMOGENEOUS ENVIRONMENT)

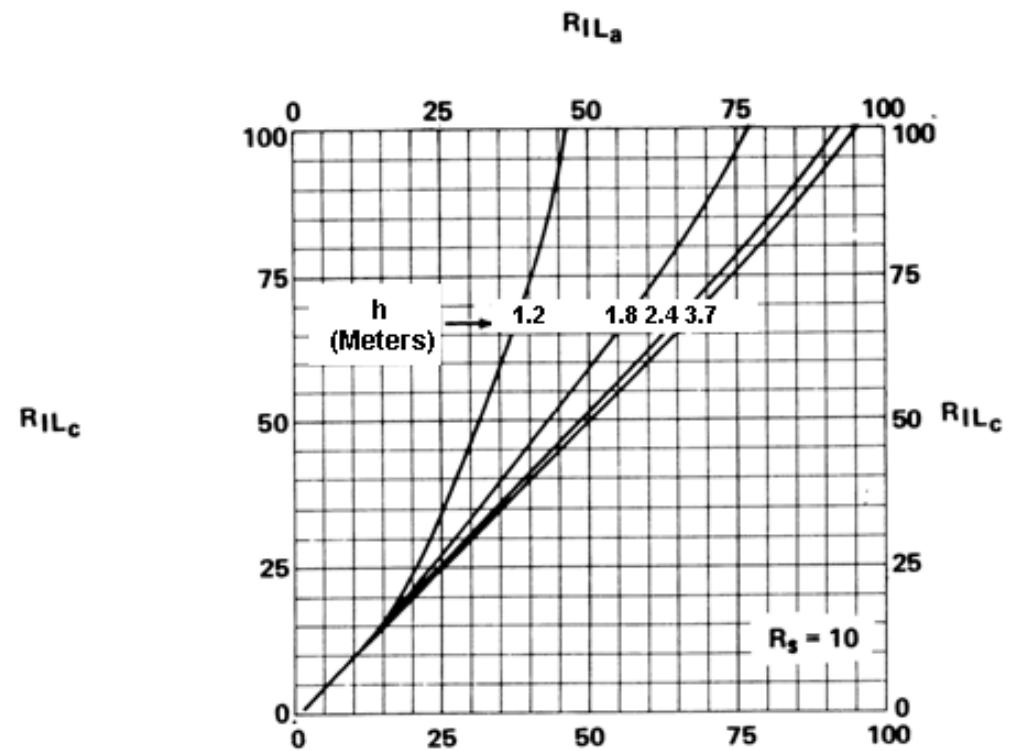
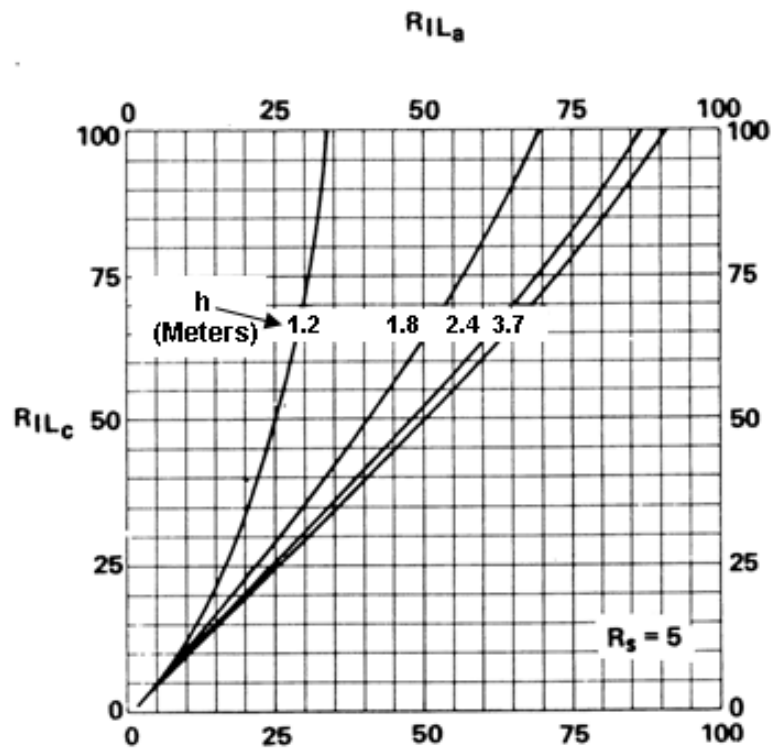
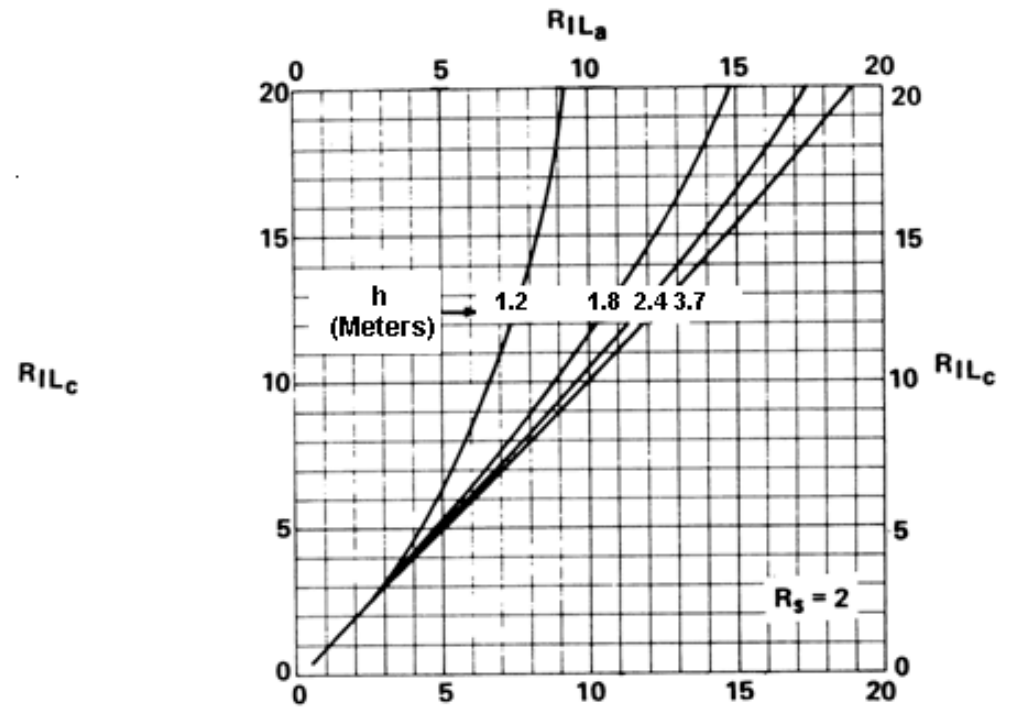
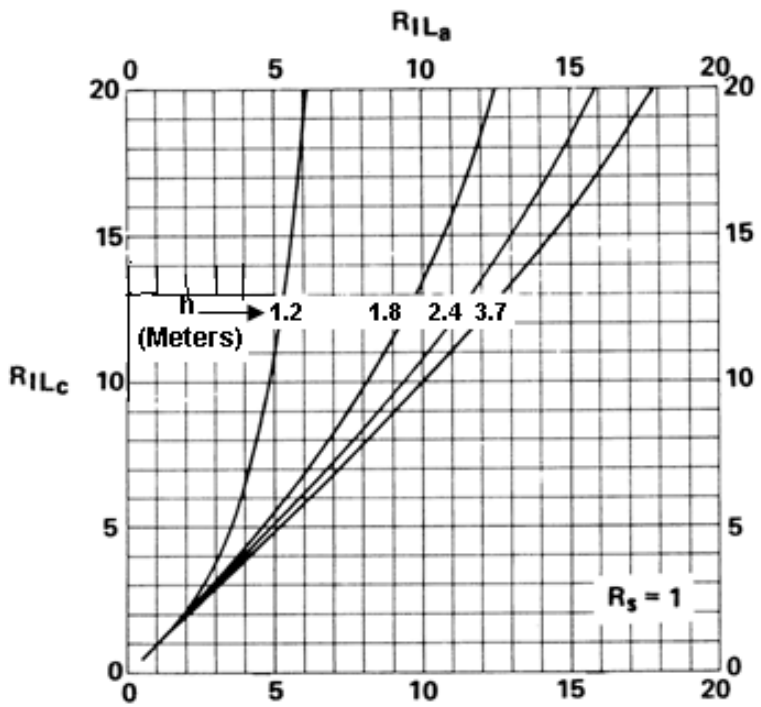


**BOREHOLE CORRECTION FOR 16" NORMAL READINGS  
THICK BEDS – NO INVASION (OR FULL INVASION)**

$R_{16''}/R_m$

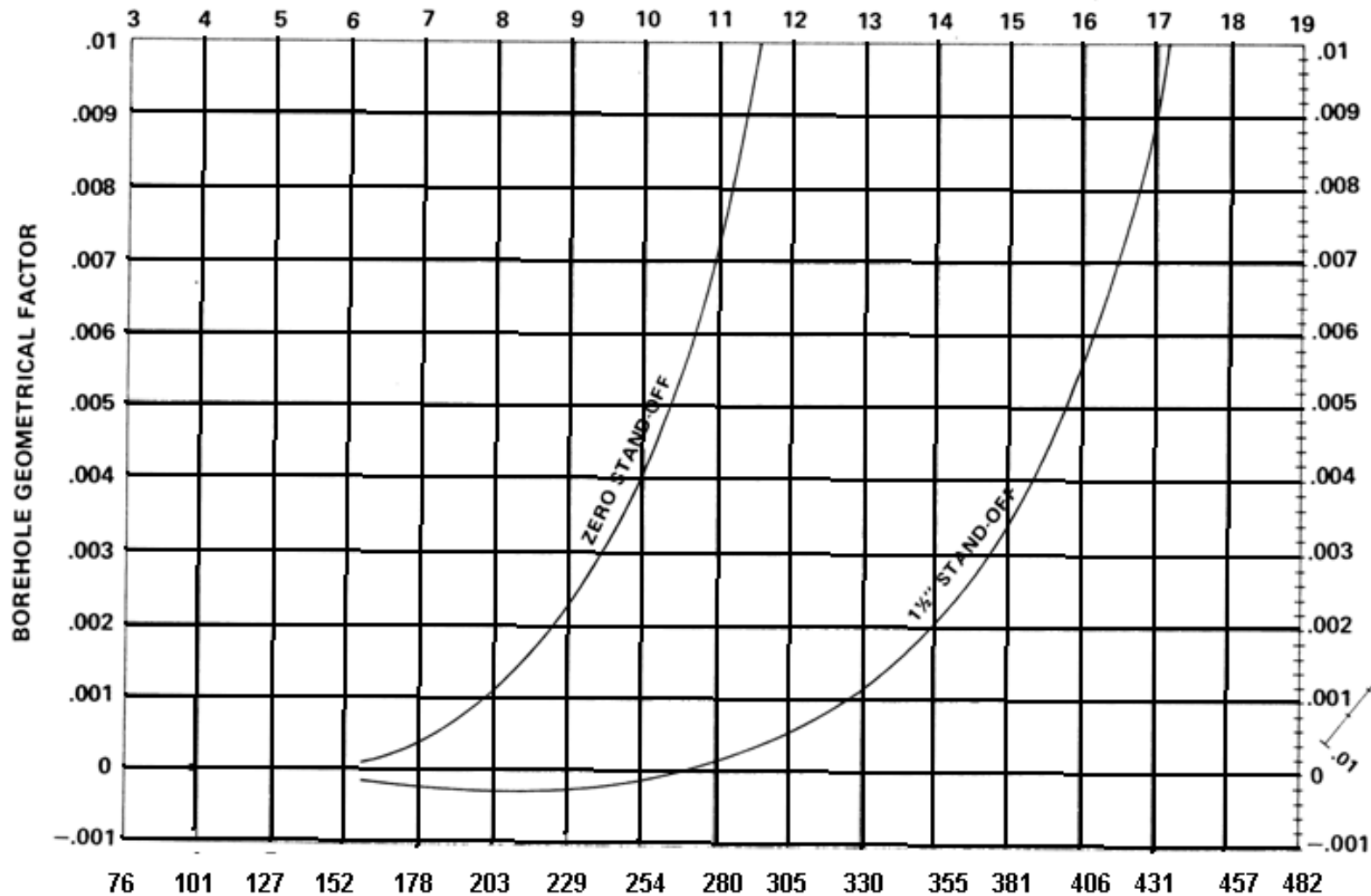


# INDUCTION LOG CORRECTION FOR BED THICKNESS EFFECTS



# BOREHOLE CONTRIBUTION TO INDUCTION SIGNAL

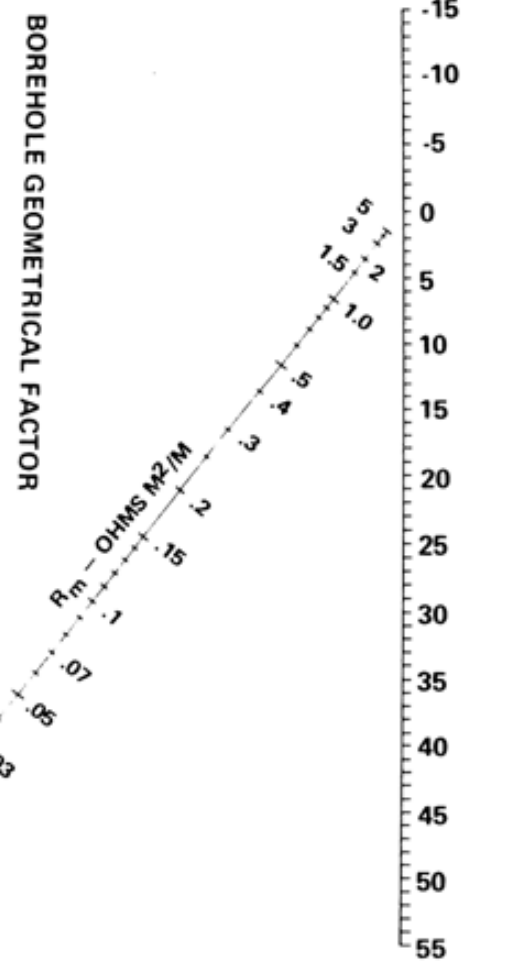
HOLE DIAMETER - INCHES



HOLE DIAMETER - MM

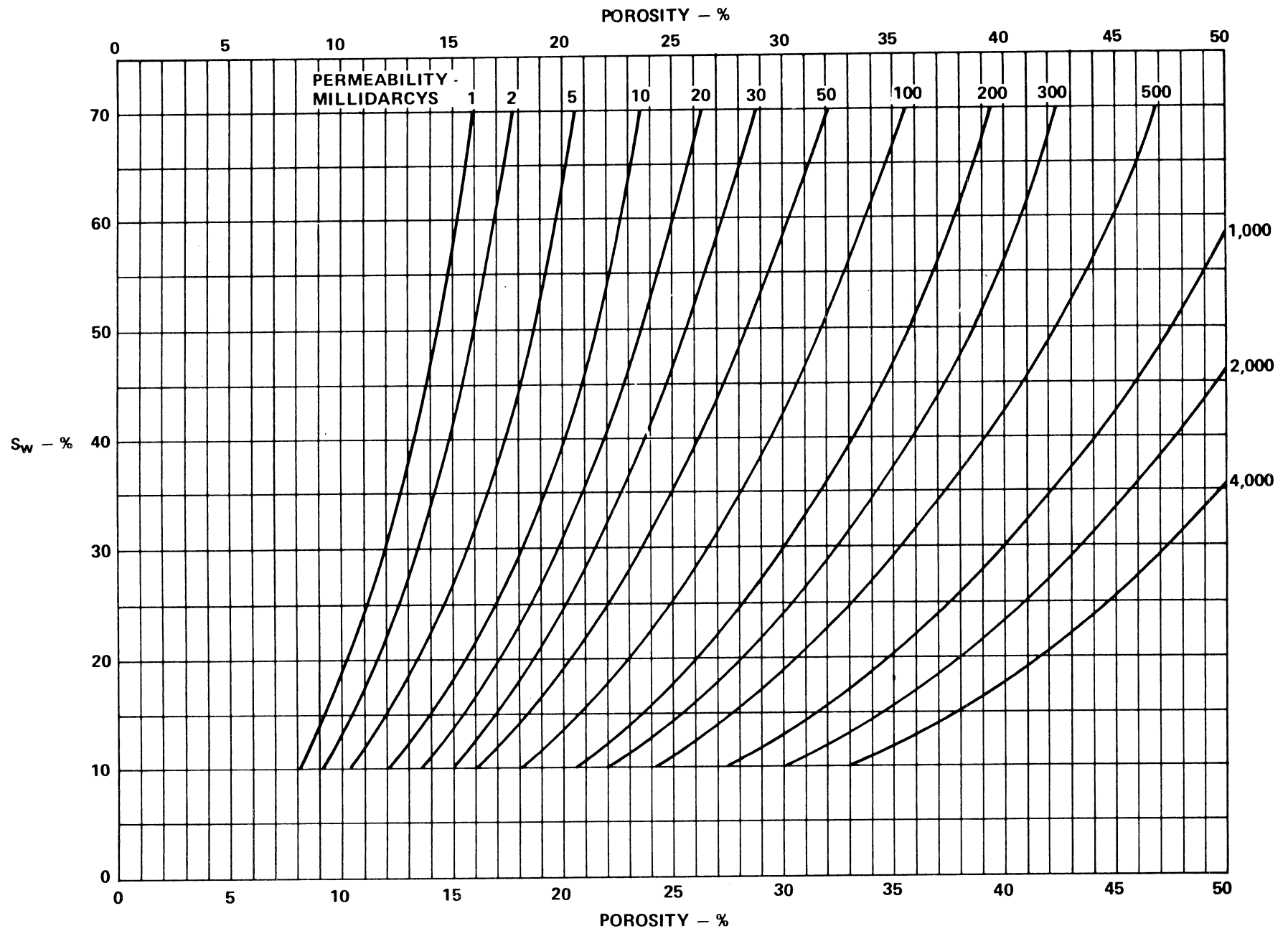
BOREHOLE CONTRIBUTION MMHOS

BOREHOLE GEOMETRICAL FACTOR



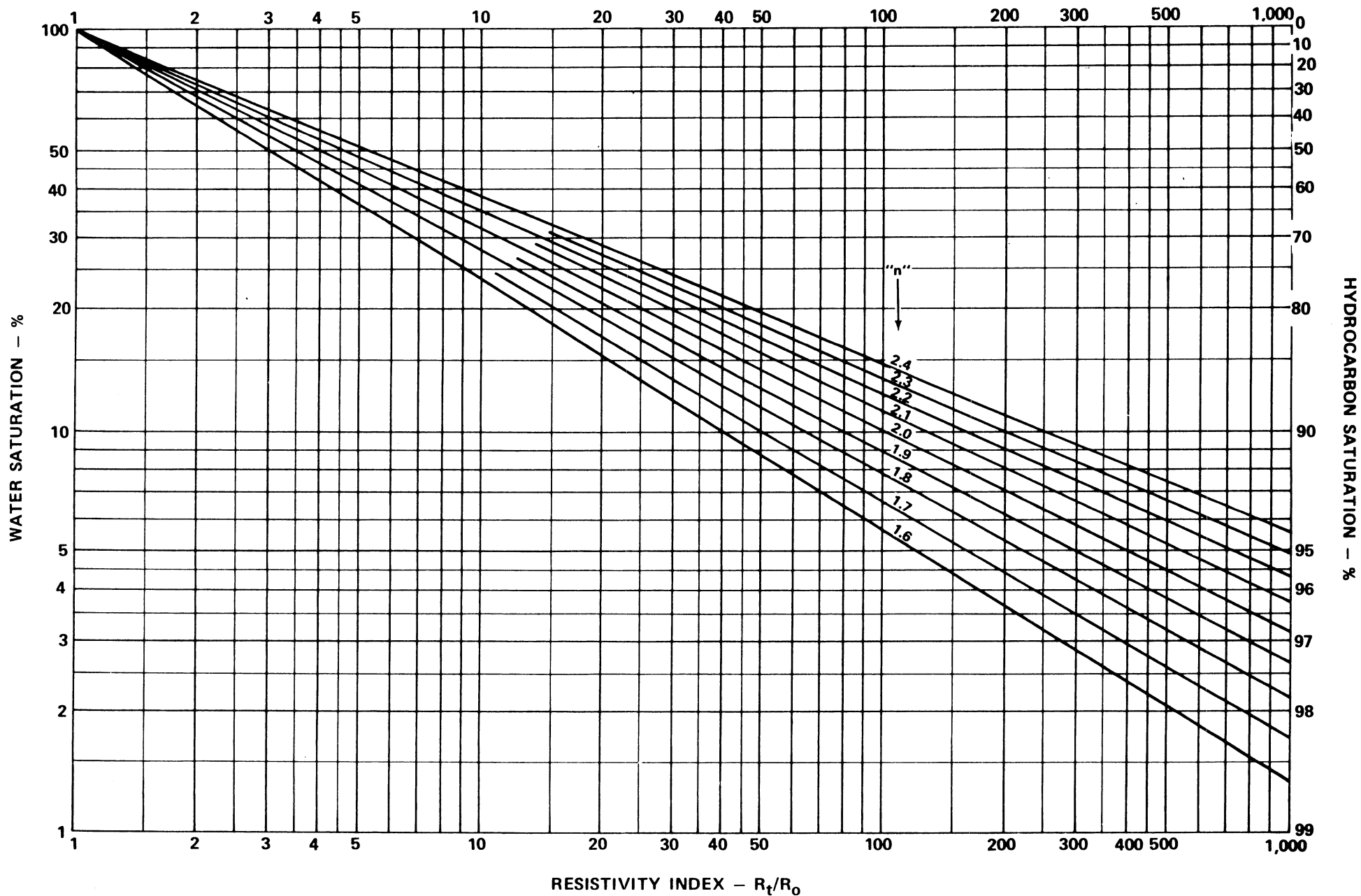
BOREHOLE CONTRIBUTION MMHOS

# ESTIMATED MINIMUM PERMEABILITY – GRANULAR FORMATIONS



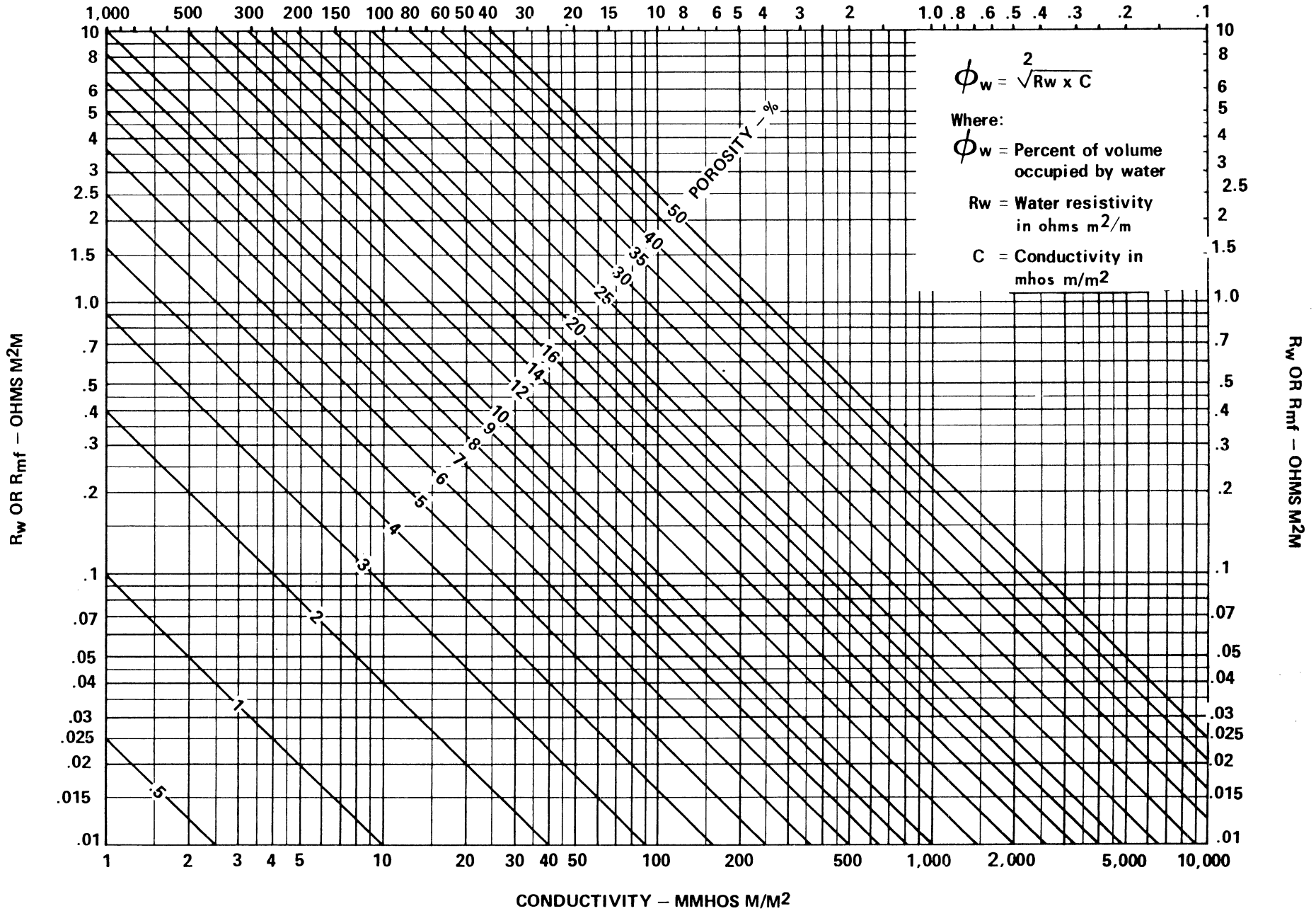
# WATER SATURATION FROM $R_o, R_t$ RELATIONSHIP

RESISTIVITY INDEX -  $R_t/R_o$

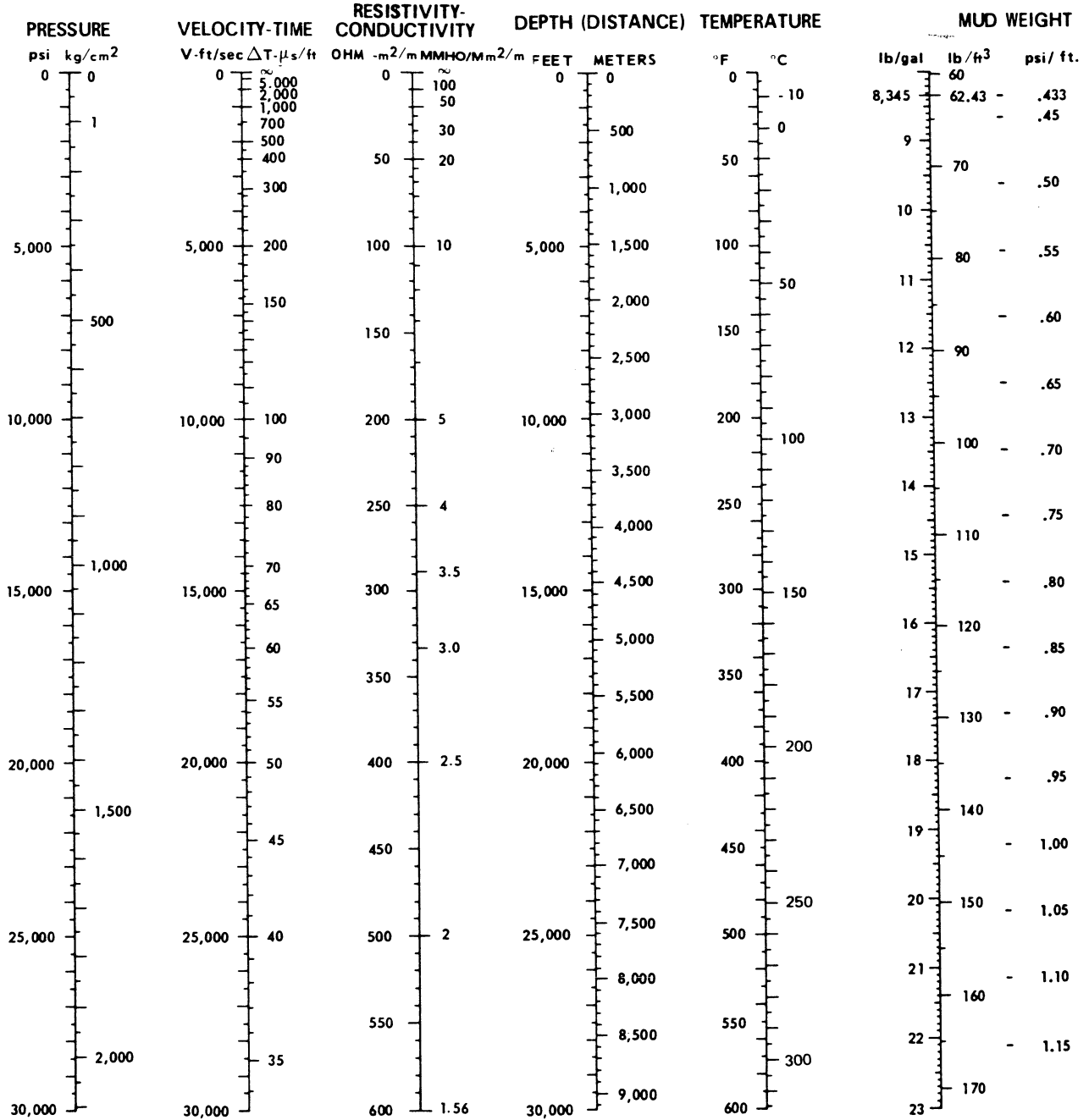


# WATER FILLED POROSITY-RESISTIVITY RELATIONSHIPS

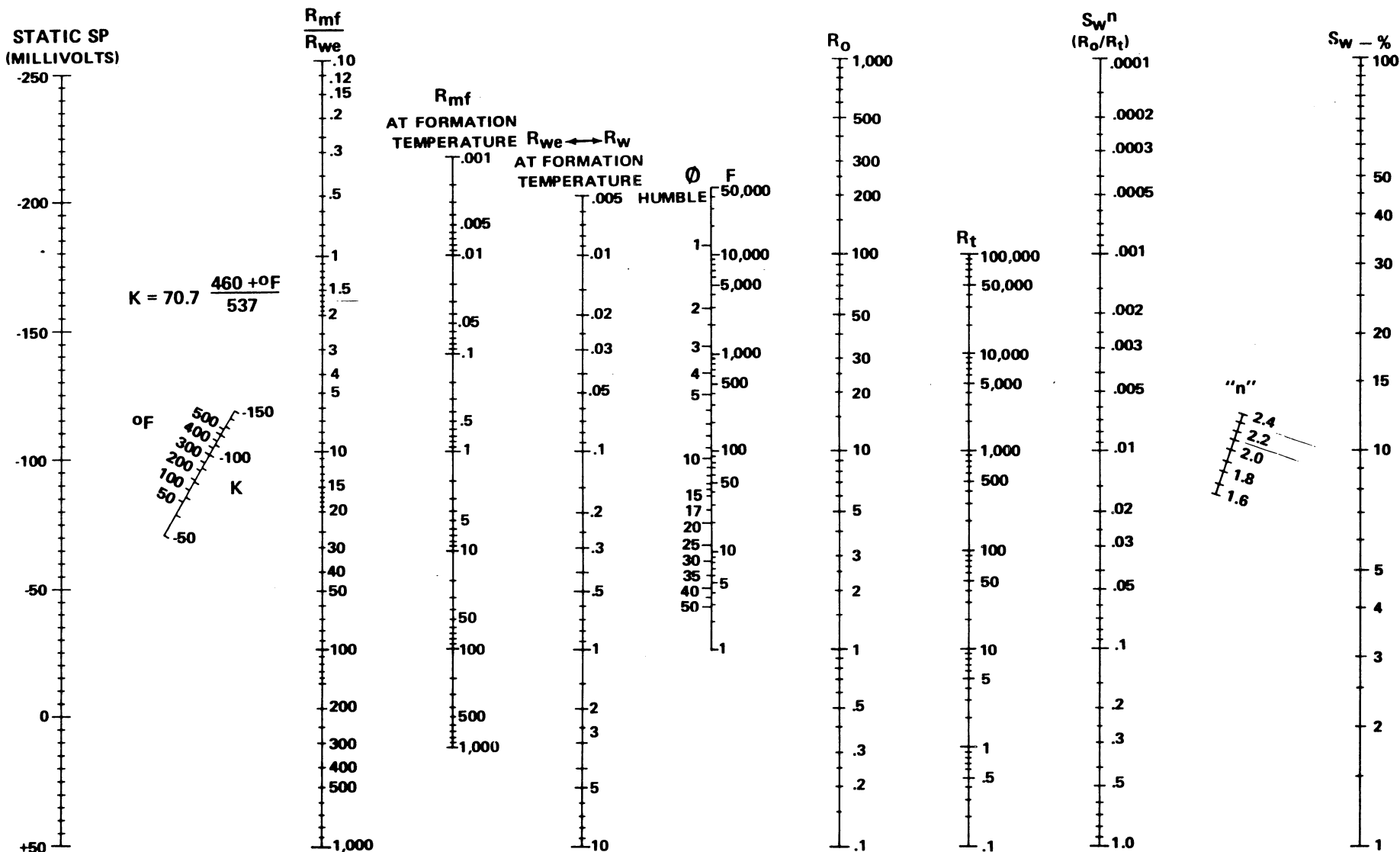
RESISTIVITY - OHMS M<sup>2</sup>/M



## USEFUL CONVERSIONS



# WATER SATURATION NOMOGRAPH



$\leftarrow R_{we} = R_{mf} / 10 \text{ SSP} / K \rightleftarrows \leftleftarrows R_o = R_w \times F \rightleftarrows \leftleftarrows S_w^n = R_o / R_t \rightleftarrows \leftleftarrows \sqrt[n]{S_w^n} = S_w \rightarrow$