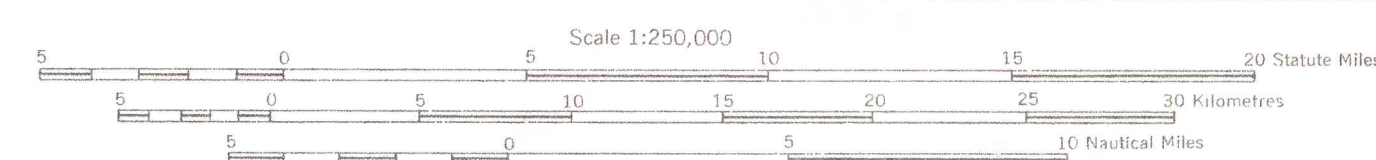


**EXPLANATION**  
Cobalt content (ppm) in M.S. fraction of concentrate:

- + Less than 10
- Δ 10-50
- ▽ 70-150
- \* Greater than 150

Base from U.S. Geological Survey  
Charlotte AMS, 1953-74

This map is preliminary and has not been edited or reviewed for conformity with U.S. Geological Survey editorial standards



Scale 1:250,000  
CONTOUR INTERVAL 100 FEET WITH SUPPLEMENTARY CONTOURS AT 50 FOOT INTERVALS  
TRANSVERSE MERCATOR PROJECTION  
BLACK NUMBERED LINES INDICATE THE 61,000 METRE UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 17  
1970 MAGNETIC DECLINATION FROM TRUE NORTH VARIES FROM 27° 00' WEST TO 27° 00' WEST FOR THE CENTER OF THE WEST EDGE TO 27° 00' WEST FOR THE CENTER OF THE EAST EDGE.

**COBALT CONTENT OF MAGNETIC CONCENTRATES**

**DISTRIBUTION OF COBALT IN HEAVY-MINERAL—CONCENTRATE SAMPLES FROM THE CHARLOTTE 1° X 2° QUADRANGLE, NORTH CAROLINA AND SOUTH CAROLINA**

By  
W.R. Griffiths, J.W. Whitlow, D.F. Siems, K.A. Duttweiler, and J.D. Hoffman  
1985