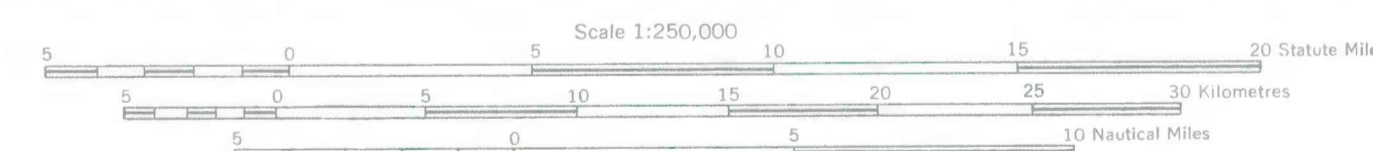


- EXPLANATION**
- Spinel content in nonmagnetic concentrate:
- Less than 3%
 - Greater than 3%
- Zinc content (ppm) of nonmagnetic concentrate:
- △ 500-1000
 - × Greater than 1000
- Zinc content (ppm) of minus 100-mesh sediment samples (from Ferguson, 1979):
- Less than 40
 - ▨ 40-59
 - ▩ 60-89
 - ▧ Greater than or equal to 90

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 10000 METRE UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 17
10% MAGNETIC DECLINATION FROM TRUE NORTH VARIES FROM 17° 40' WEST WESTERLY FOR THE
CENTER OF THE WEST EDGE TO 47° 10' WEST WESTERLY FOR THE CENTER OF THE EAST EDGE

ZINC AND SPINEL IN NM CONCENTRATES AND ZINC IN MINUS 100-MESH SEDIMENTS

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

By
W.R. Griffitts, J.W. Whitlow, K.A. Duttweiler, D.F. Siems, and L.O. Wilch