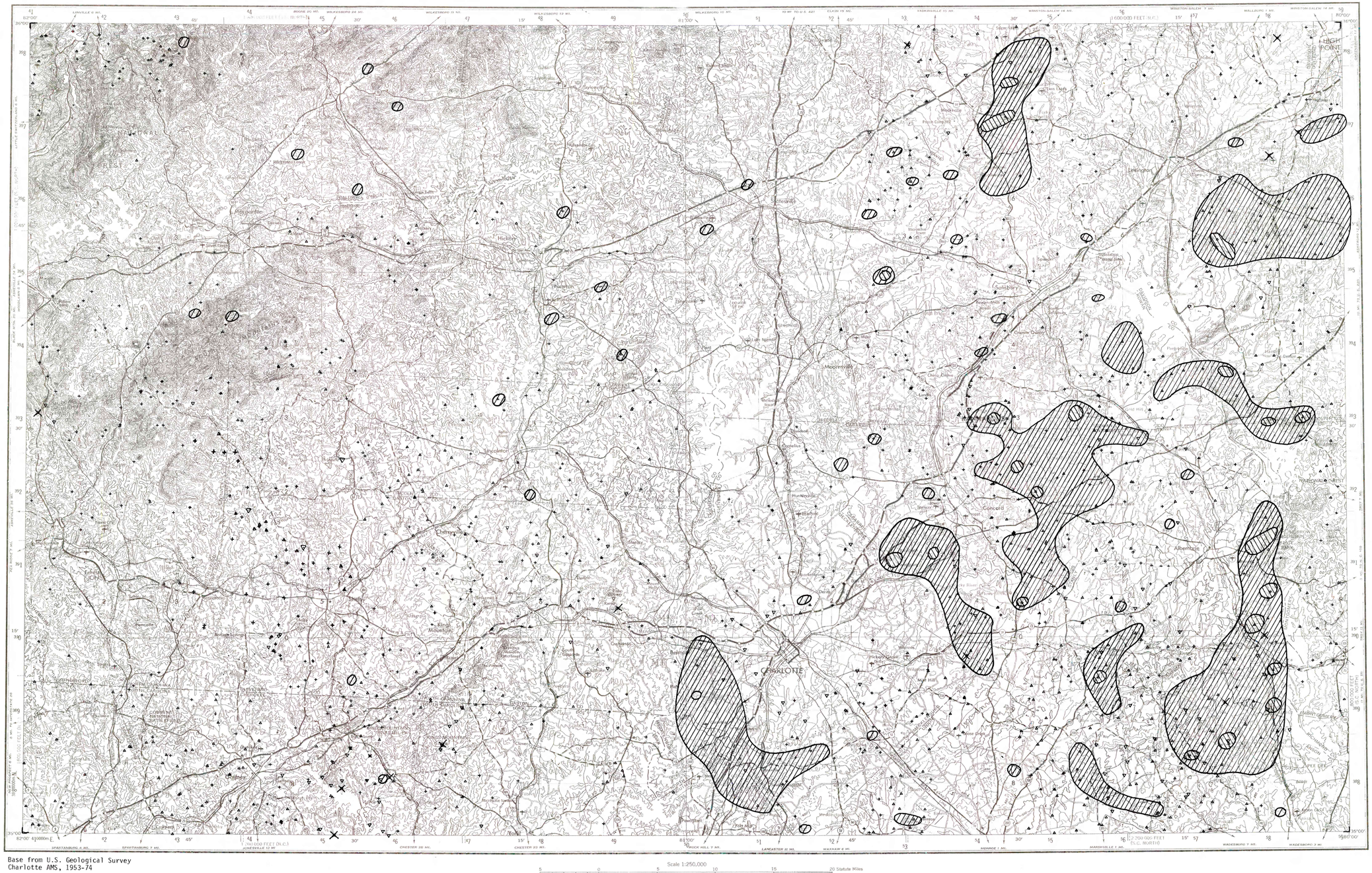
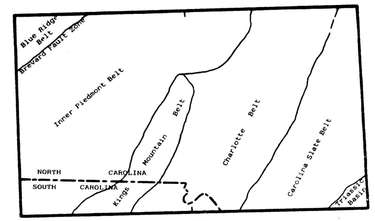
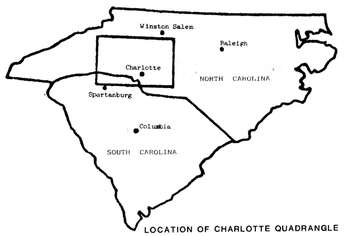
OPEN-FILE REPORT 84-843-L
PLATE 1

DEPARTMENT OF THE INTERIOR
U. S. GEOLOGICAL SURVEY





GEOLOGIC PROVINCES



LOCATION OF CHARLOTTE QUADRANGLE

EXPLANATION

Cobalt content (ppm) in nonmagnetic fraction of concentrate:

+ 10–15

▲ 20–30

▽ 50–100

× Greater than or equal to 150

Cobalt content (ppm) in minus 100 mesh sediment (from Ferguson, 1979):

▨ 20–29

▧ 30–60

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

5 0 5 10 15 20 Statute Miles
5 0 5 10 15 20 25 30 Kilometres
5 0 5 10 Nautical Miles

CONTOUR INTERVAL 100 FEET WITH
SUPPLEMENTARY CONTOURS AT 50 FOOT INTERVALS

TRANSVERSE MERCATOR PROJECTION

1000-METER BORDERED LINES INDICATE THE 10,000-METRE UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 17

COBALT CONTENT OF NONMAGNETIC CONCENTRATES AND MINUS 100 MESH SEDIMENT

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

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

1985