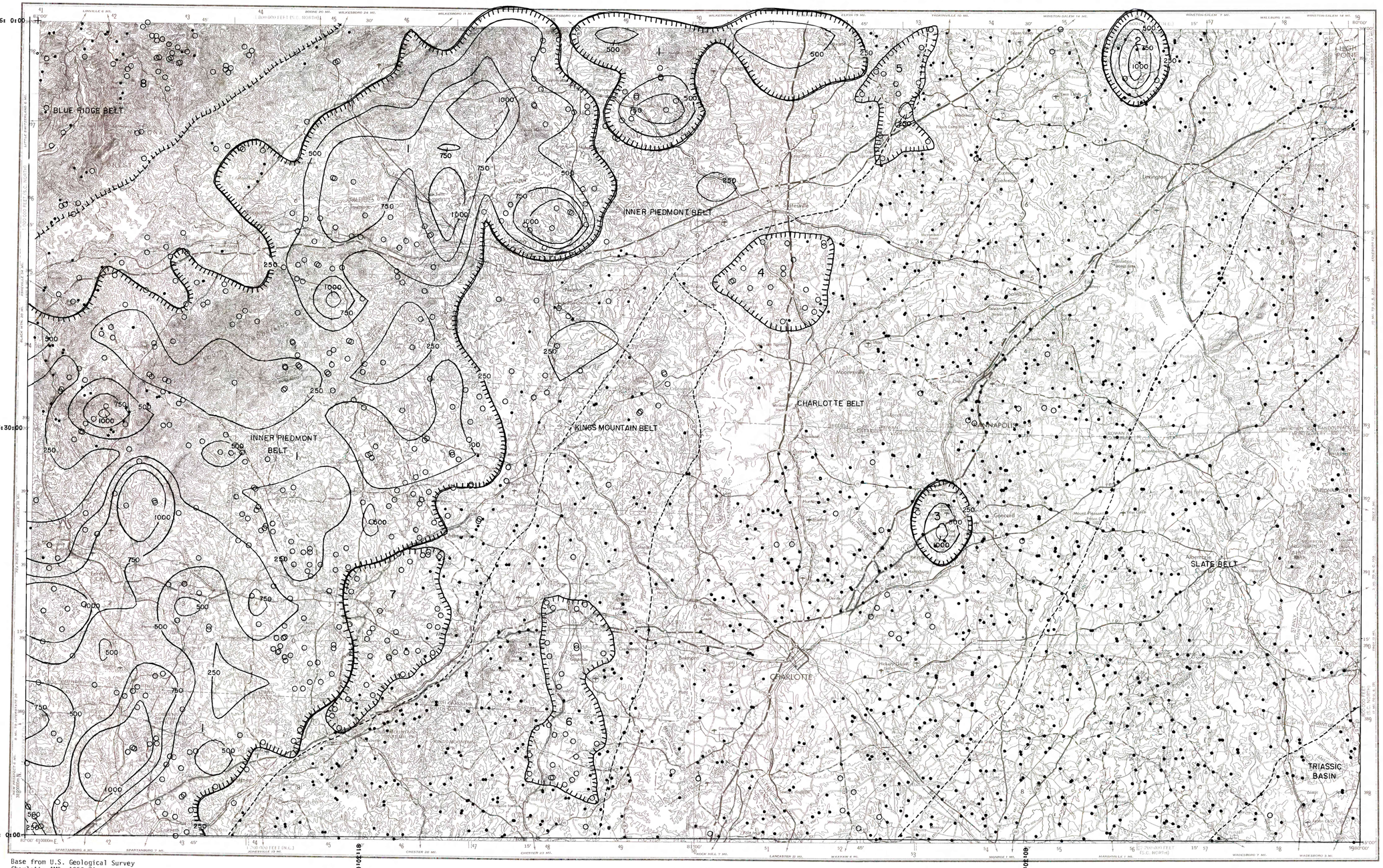


Base from U.S. Geological Survey
Charlotte AMS, 1953-74

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

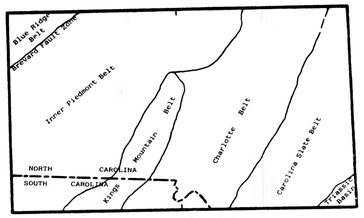
Scale 1:250,000

CONTOUR INTERVAL 100 FEET WITH
SUPPLEMENTARY CONTOURS AT 50 FOOT INTERVALS

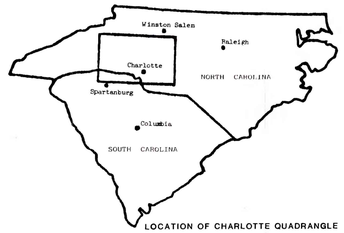
TRANSVERSE MERCATOR PROJECTION

BLACK NUMBERED LINES INDICATE THE 10,000 METRE UNIVERSAL TRANSVERSE MERCATOR GRID: ZONE 17

BYTO MAGNETIC DECLINATION FROM TRUE NORTH VARIES FROM 2° 140 MILS WESTERLY FOR THE CENTER OF THE WEST EDGE TO 4° 170 MILS WESTERLY FOR THE CENTER OF THE EAST EDGE



GEOLOGIC PROVINCES



LOCATION OF CHARLOTTE QUADRANGLE

EXPLANATION

- ○ Greater than or equal to 5000 ppm thorium in the MI fraction of heavy-mineral-concentrate samples
- • Sample site location
- Isopleths--Areas where stream sediment samples contain anomalous concentrations of cerium
- Areas chosen for discussion because of anomalous concentrations of thorium, cerium, or both
- ----- Boundaries of major geologic belts in quadrangle

THORIUM, CERIUM, AND MONAZITE SURVEY OF THE CHARLOTTE 1° X 2° QUADRANGLE, NORTH CAROLINA AND SOUTH CAROLINA

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

1985