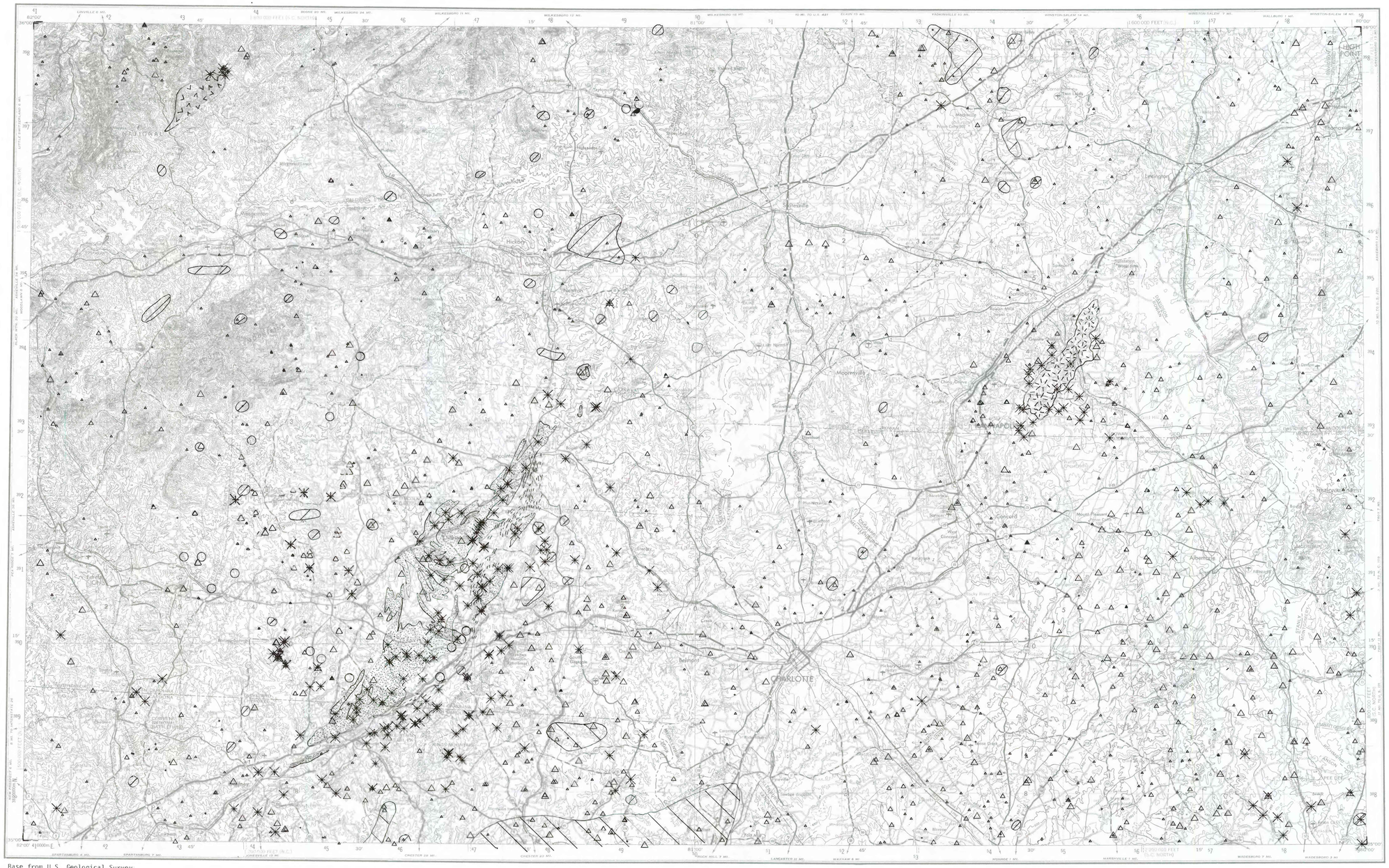


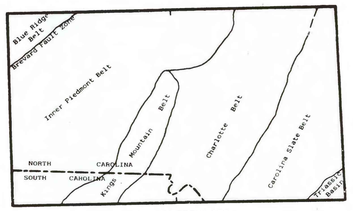
Base from U.S. Geological Survey
Charlotte AMS, 1953-74

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

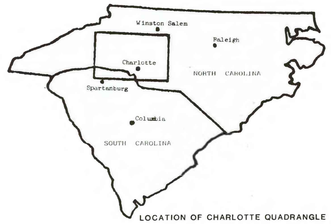
Scale 1:250,000

CONTOUR INTERVAL 100 FEET WITH
SUPPLEMENTARY CONTOURS AT 50 FOOT INTERVALS

TRANSVERSE MERCATOR PROJECTION



GEOLOGIC PROVINCES



LOCATION OF CHARLOTTE QUADRANGLE

EXPLANATION

Tin content (ppm) in nonmagnetic fraction of concentrate:

- Less than 20
- 20-100
- 150-300
- 500-700
- Greater than or equal to 1000

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

- 25-90
- Greater than or equal to 100

- Brown Mountain pluton
- Salisbury pluton
- Cherryville pluton
- Spodumene-bearing pegmatite
- Beryl in coarse muscovite pegmatite

DISTRIBUTION OF TIN 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

1985