NO DATA

NO DATA

NO DATA

SCALE 1:250 000

5   0   5   10   15   20   25 MILES

5   0   5   10   15   20   25 KILOMETERS

N.Y.

C.T.

N.J.

BOUGUER GRAVITY MAP OF THE NEW YORK 1° X 2° QUADRANGLE,

NEW YORK, NEW JERSEY, CONNECTICUT

BY

R.W. SIMPSON, W.A. BOTHNER, W.H.DIMENT, AND T.C. URBAN

1979

This map is preliminary and has
not been edited or reviewed for
conformity to Geological Survey
standards.

EXPLANATION

Contours of Bouguer anomaly values
drawn by computer from a 2 km by
2 km gridded representation of the
data.

Contour interval is 2 milligals.
Hachures are used to indicate
gravity lows. Small squares (▪)
mark the locations of individual
stations. UTM projection.

Anomalies were calculated relative to the 1967 Geodetic
Reference System formula for theoretical gravity (Interna-
tional Association of Geodesy, 1971), and base values were
adjusted to conform to the International Gravity Standardi-
zation Net of 1971 (Morelli, 1974). Terrain corrections
have been calculated from 0.895 km to 166.7 km using a
modification of the terrain correction program of Plouff
(1977). No terrain corrections have been applied for the
zones closer than 0.895 km, but in most cases errors
resulting from this omission are substantially less than
1.0 mgal.

REFERENCES CITED

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