

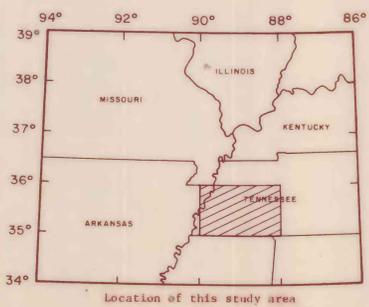


**SIMPLE BOUGUER GRAVITY MAP OF THE BLYTHEVILLE 1° BY 2°
QUADRANGLE, TENNESSEE AND ARKANSAS**

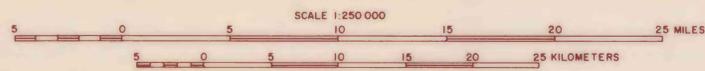
BY

T.G. HILDENBRAND, R.P. KUCKS, AND M.F. KANE

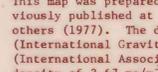
1979



Location of this study area



EXPLANATION

-  Gravity contours
-  Hachured contours indicate areas of low gravity closure
-  Station location

This map was prepared from a subset of the gravity data previously published at a scale of 1:500,000 by Hildenbrand and others (1977). The data have been reduced to the 1971 IGSN (International Gravity Standardization Network) (International Association of Geodesy, 1971). A reduction density of 2.67 mg/m³ was assumed in reducing the data to the simple Bouguer anomaly.

REFERENCES CITED

- Godson, R. H., 1978, Program Bouguer: U.S. Geological Survey, Unpublished documentation.
- Hildenbrand, T. G., Ervin, C. F., Hendricks, John, Keller, G. R., McGinnis, L. D., and Stearns, R. G., 1977, Bouguer gravity map of the northern Mississippi embayment, parts of Missouri, Arkansas, Tennessee, Kentucky, and Illinois: U.S. Geological Survey open-file report 77-228.
- International Association of Geodesy, 1971, Geodetic reference system, 1967: International Association of Geodesy, Special Publication 3 (Bureau Central, Association Internationale de Geodesie, Paris), 116 p.