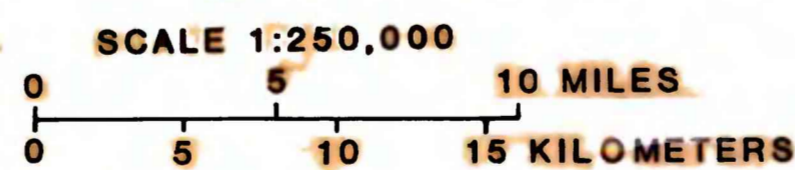
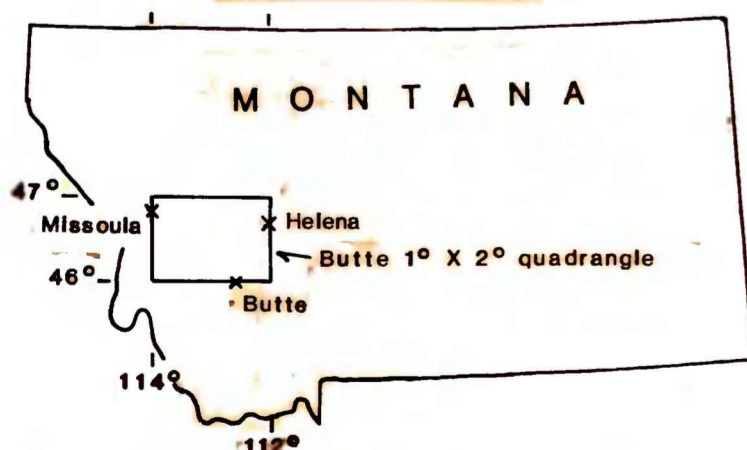


LOCATION MAP



PRELIMINARY COMPLETE BOUGUER GRAVITY ANOMALY MAP
OF THE BUTTE 1° X 2° QUADRANGLE, MONTANA

by
Jerry H. Hassemer
1984

EXPLANATION



GRAVITY CONTOURS—Heched to indicate closed areas of lower gravity.
Contour interval 5 milligals.

x GRAVITY STATION (Hassemer, 1984)

• GRAVITY STATION (Burfeind, 1967)

□ BASE STATION

REFERENCES

- Burfeind, W. J., 1967, A gravity investigation of the Tobacco Root Mountains, Jefferson Basin, Boulder batholith, and areas of southwestern Montana: Bloomington, Indiana University, Ph. D. thesis, 80 p., 4 plates.
- Cordell, Lindrith, Keller, G. R., and Hildenbrand, T. G., 1982, Bouguer gravity map of the Rio Grande rift: U. S. Geol. Survey Geophys. Inv. Map GP-948.
- Hassemer, J. H., 1984, Principal facts, base station descriptions, and plots for gravity stations on and near the Butte 1° X 2° quadrangle, Montana: U. S. Geol. Survey Report, 77 p., available from Nat'l Tech. Inf. Service, U. S. Dept. Commerce, Springfield, Va., NTIS-PB84 168103.

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

Complete Bouguer gravity anomaly values were computed as outlined by Cordell and others (1982) using a reduction density of 2.67 g/cm³ with terrain corrections made from the station to 167 km radially.