



**EXPLANATION**



Hachured contours indicate areas of low gravity closure

Gravity contours  
Contour interval is 5 mgals

The map was prepared from gravity data obtained from the following sources: Kane and Carlson (1963); D. L. Peterson and H. E. Kaufmann (U.S. Geol. Survey, unpub. data); D. L. Healey (U.S. Geol. Survey, unpub. data); and DOD (Department of Defense, Gravity Services Division), St. Louis, MO. Some data from the sources given above are not included either because of redundancy or because they were located too close to other stations for regional purposes. The eliminated stations are mostly from the set of Healey.

The data have been reduced to the 1971 IGSN (International Gravity Standardization Network) (International Association of Geodesy, 1971). Terrain corrections were made for all stations from the stations out to a distance of 166.7 km by a method described by Plouff (1977) and revised by Godson (1978). A reduction density of 2.67 mg/m<sup>3</sup> was assumed in reducing the data to the complete Bouguer anomaly.

Principal facts for the stations used to prepare this map are available from Reidy and others (1978).

**REFERENCES**

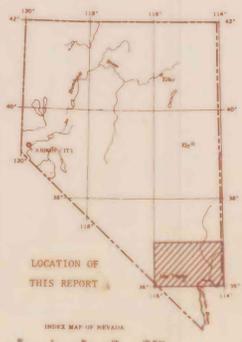
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International Association of Geodesy, 1971, Geodetic reference system, 1967: International Association of Geodesy, Special Publication 3 (Bureau Central, Association Internationale de Géodésie, Paris), 116 p.

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Reidy, Denis, Kane, M. F., Healey, D. L., Peterson, D. L., and Kaufmann, H. E., 1978, Principal facts for a set of regional gravity data for the Las Vegas 1° by 2° sheet, Nevada: U.S. Geological Survey open-file report 78-1012, 40 p.



**COMPLETE BOUGUER GRAVITY MAP OF THE LAS VEGAS 1° BY 2° SHEET, NEVADA**

BY

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

