U.S. GEOLOGICAL SURVEY
OPEN FILE MAP
75-534

122° 121° 120° W
41° N
40° 122° 120°

-172.6

Gravity station showing Bouguer anomaly in mgal corresponding to a reduction density of 2.67 g/cm. Includes terrain and curvature corrections to all stations to a distance of 166.7 km, but LaFehr's data do not include corrections for the inner .068 km; the gravity datum is the California Base Station Network of Chapman (1966). The reference spheroid is the International Ellipsoid of 1930.

Station locations have not yet been tested against computer plots, and some errors in Bouguer anomalies or locations are probable. Also, this map does not include corrections for calibration errors to Pakiser's and Evernden's data.

Gravity stations for which spacing is so close that there is inadequate room for posting values.

Gravity stations for which the data are incomplete.

Scale 1:250,000

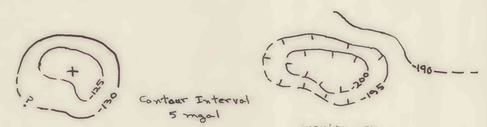
0 10 20 30 40 km.
0 5 10 15 20 25 mi.

Preliminary Bouguer Gravity Map of the Susanville 1° x 2° Quadrangle, California

by H.W. Oliver, S.L. Robbins, and Andrew Griscom

1975

Includes published data obtained by L. C. Pakiser (Geol. Soc. America Bull., v. 75--1964--p. 611-620), R. A. Bowers (Univ. of Calif., Berkeley, Ph.D. thesis, 1957), T. R. LaFehr (U.S. Geol. Survey Open-file Rept. 815, 1965), and J. I. Gimlett (Calif. Dept. Water Resources, Open-file Rept., 1960); also previously unpublished data by Jack Evernden, Humble Oil Co., R. F. Sikora, P. A. Lydon, and the authors.



Gravity Hig ravity Low
(lines dashed and queried where poorly controlled)