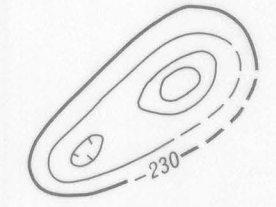


EXPLANATION

Grav. station

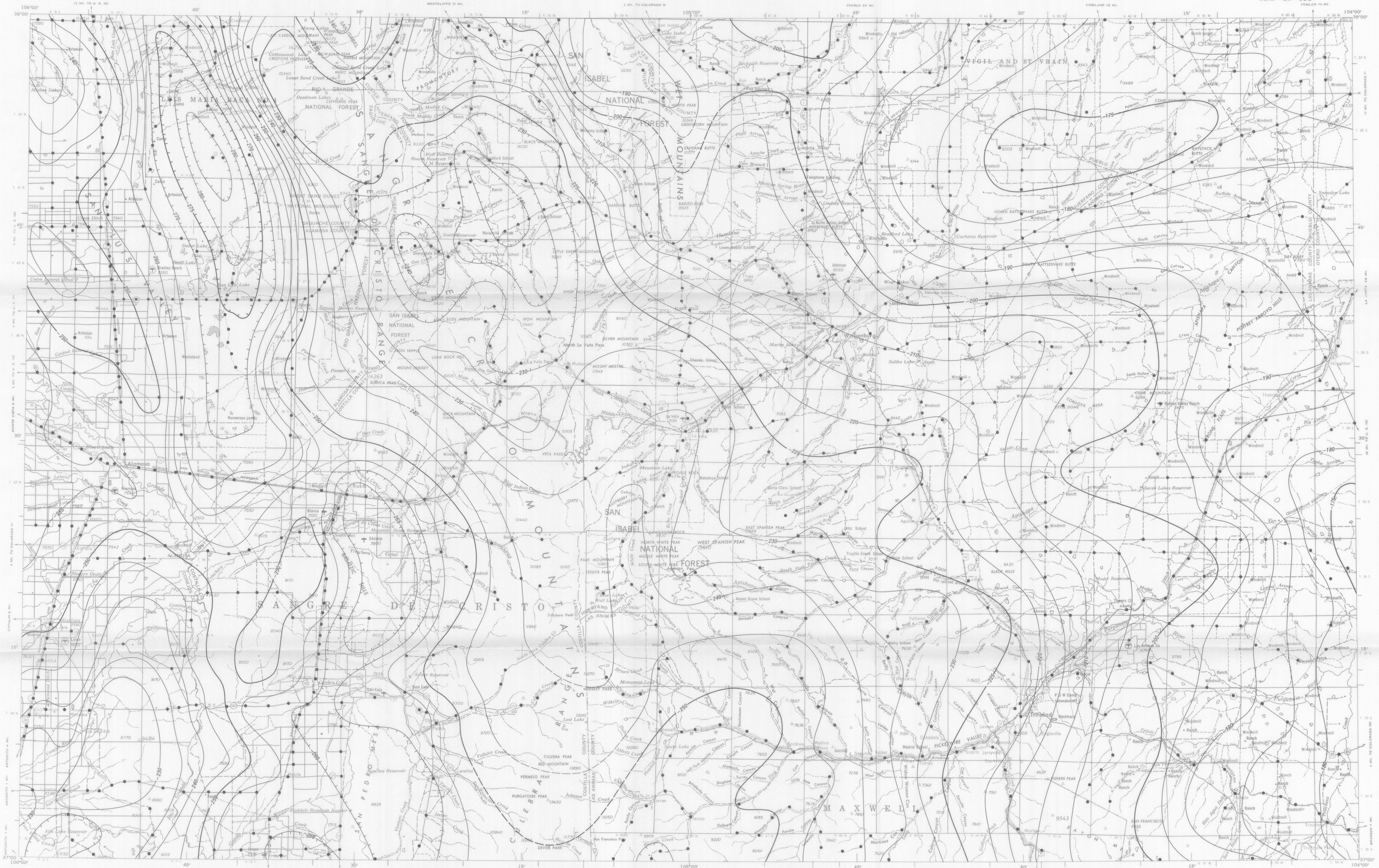


Grav. contours
Dashed where approximately located. Contour interval 5 milligals. Hatched contours enclose areas of low gravity.

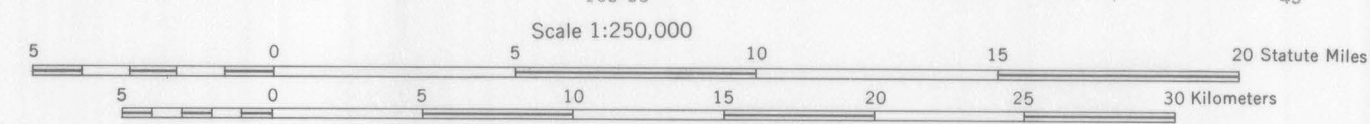
A density of 2.67 grams per cubic centimeter was assumed in reducing the data to the complete Bouguer anomaly. Terrain corrections were computed on a digital computer to a radius of 166.7 kilometers by a method described by Plouff (1966). Theoretical gravity was computed from the International Formula. The gravity values were referred to the Denver, Colo. airport base station (Woolard, 1958) and base station WU 7 at Colorado School of Mines, Golden, Colo. (Behrendt and Woolard, 1961).

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 - Plouff, Donald, 1966, Digital terrain corrections based on geographic coordinates [abs.]: *Geophysics*, v. 31, no. 6, p. 1208.
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- Geologic map for GP-638 is U.S. Geological Survey Map I-558.



Base from U.S. Geological Survey, 1954-62



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Gravity surveyed in 1963-65 and 1967

GRAVITY MAP OF THE TRINIDAD QUADRANGLE, COLORADO

A CONTRIBUTION TO THE UPPER MANTLE PROJECT

By
D. L. Peterson, Peter Popenoe, J. R. Gaca, and D. E. Karig
1968