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1. U.S. Geological Survey, 1974, Aeromagnetic map of parts of the San Jose, Santa Cruz, and San Geronimo Mountains, Santa Cruz County, California: U.S. Geological Survey Open-File Report 77-79, scale 1:125,000. (Specifications: Flight direction, northeast-southwest; Flight spacing, 1.6 km (1 mi); Flight elevation 302 m (1,000 ft) above sea level; Magnetic field datum, Untied 1087 (1950) gamma-500; Gamma-500 (gamma-500 values). Survey date, 1973; Contour interval, 20 and 100 gamma.)
2. U.S. Geological Survey, 1971, Aeromagnetic map of the Southwest, California, Santa Barbara region, California: U.S. Geological Survey Open-File Report 71-79, scale 1:125,000. (Specifications: Flight direction, east-west; Flight spacing, 1.6 km (1 mi); Flight elevation 302 m (1,000 ft) above sea level; Magnetic field datum, arbitrary; Survey dates, 1950 and 1951; Contour interval, 50 and 100 gamma.)
3. Unpublished data, Gulf Oil Company (Specifications: Flight direction, northeast-southwest; Flight spacing, 1.6 km (1 mi); Flight elevation 912 m (3,000 ft) above sea level; Magnetic field datum, arbitrary; Survey date, 1954; Contour interval, 10 and 50 gamma.)
4. U.S. Naval Oceanographic Office data, shown in (a) Zietz, Isadore, and Kirby, J., 1948, Magnetic map from 112°W longitude to 116°W longitude and California to 34°N latitude, U.S. Navy, Misc. Geol. Invsat. Map I-332A, scale 1:125,000. (Specifications: Flight direction, N. 6° E, C. 4° E., J. 1950; Magnetic field datum, arbitrary; Survey dates, 1945 and 1946; Contour interval, 50 gamma.)
5. U.S. Geological Survey, 1949, Aeromagnetic investigation of crustal structure for a strip of the Coast Range, Oregon: U.S. Geological Survey Bulletin, v. 80, no. 9, 1703-1714. (Specifications: Flight direction, northeast-southwest; Flight spacing, 8 km (5 miles) above sea level; Flight elevation, 1,656 m (5,430 ft) above sea level; Magnetic field datum, arbitrary; Survey date, 1946; Contour interval, 20 gamma.)
6. McCulloch, B. S., and Chapman, R. H., 1977, Maps showing residual magnetic intensity, California: U.S. Geological Survey Open-File Report 77-79, scale 1:125,000. (Specifications: Flight direction, northeast-southwest; Flight spacing, 1.6 km (1 mi); Flight elevation 302 m (1,000 ft) above sea level; Magnetic field datum, arbitrary; Survey dates, 50,500-60 gamma-a regional field, 49 gamma; Gamma-500 (gamma-500 values) north and 2.62 gamma/km (4.79 gamma/mi) north; and 2.62 gamma/km (4.79 gamma/mi) north and 2.62 gamma/km (4.79 gamma/mi) north; Survey date, removed using an untied 1087 (1950) gamma-500; Contour interval, 20 gamma.)

EXPLANATION

Contours showing total intensity magnetic field of the earth in gammas relative to a datum. Hachured to indicate closed areas of lower magnetic field intensity; dashed where data are incomplete. Dashed straight line segments indicate location of flight path. Datum and flight specifications are summarized in

Compilation by W.F. Hanna, 1972-78

This report is preliminary and has not been edited or reviewed for conformity with Geological Survey standards and nomenclature.



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COMPOSITE MAP SHOWING AEROMAGNETIC ANOMALIES

by

William F. Hanna

by
na and Earl E. Brabb

MAPS SHOWING AEROMAGNETIC ANOMALIES, FAULTS, EARTHQUAKE EPICENTERS AND IGNEOUS AND VOLCANIC ROCKS IN THE SOUTHERN SAN FRANCISCO BAY REGION, CALIFORNIA

1978