DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

MISCELLANEOUS FIELD STUDIES
MAP MF-1101-C
SHEET 2 OF 2

EXPLANATION

1500 — MAGNETIC CONTOURS--Showing residual magnetic intensity of Earth's magnetic field in nanoteslas (gammas). Arbitrary datum and IGRF 1975 updated to month flown are removed. Hachured to indicate closed areas of lower magnetic intensity. Contour intervals 20 and 100 nanoteslas

FLIGHT PATH--Showing location and spacing of data. Flight elevation 300 m mean terrain clearance

NOTE: See sheet 1 for explanation of map units

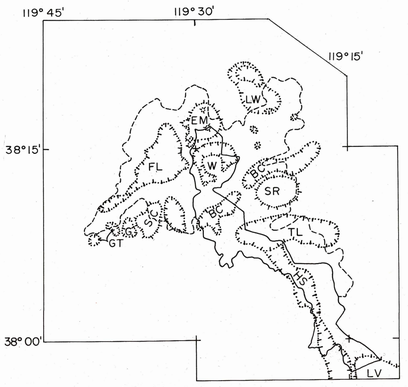

Figure 3.--Localities and magnetic anomalies discussed in text. BC, Buckeye Creek; EM, Mount Emma; FL, anomaly related to granodiorite of Fremont Lake; G, anomaly related to alaskite of Grace Meadow; GT, anomaly related to gabbro of Twin Lakes; HS, magnetic low trend between Horse Creek and Saddlebag Lake; LV, Lee Vining Peak; LW, Little Walker caldera; SC, Saurian Crest; SR, Sawmill Ridge; TL, Twin Lakes; and W, Walker Mountain. Solid line indicates Hoover Wilderness boundary; dashed line, boundary of study area. Dotted lines indicate approximate boundaries of magnetic anomalies; hachured on side of lower magnetic intensity.

Base from U.S. Geological Survey
Mono Craters, 1953; Fales Hot Springs, Matterhorn Peak, Sonora Pass, Tower Peak, Tuolumne Meadows, 1956; Bodie, 1958

16° APPROXIMATE MEAN DECLINATION, 1982

SCALE 1:62500

CONTOUR INTERVAL 80 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

Aeromagnetic survey from U.S. Geological Survey (1979)
Geology generalized by W.J. Keith, 1980

RESIDUAL MAGNETIC INTENSITY MAP

MAPS SHOWING GRAVITY AND MAGNETIC SURVEYS OF THE HOOVER WILDERNESS AND ADJACENT STUDY AREA, MONO AND TUOLUMNE COUNTIES, CALIFORNIA

By

Donald Plouff

1982