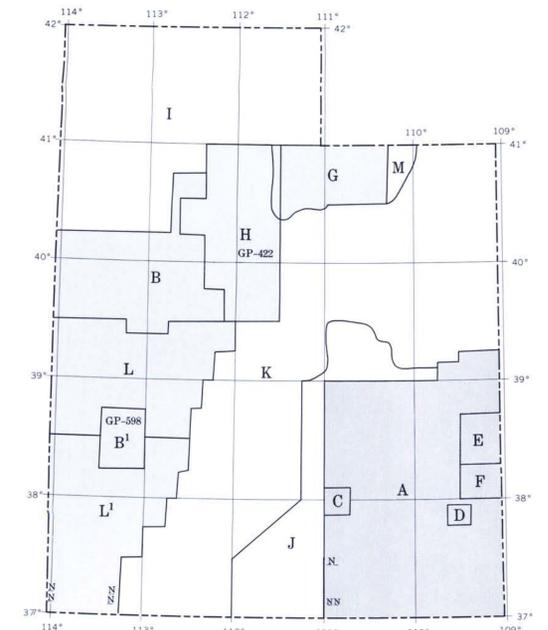


EXPLANATION

Magnetic contours
Showing total intensity magnetic field of the earth in gammas relative to arbitrary datum. Hachured to indicate closed areas of lower magnetic intensity; dashed where data are incomplete. Main magnetic field of the earth from Fabiano and Peddie (1969) has been removed. Contour intervals 20 and 100 gammas

REFERENCES

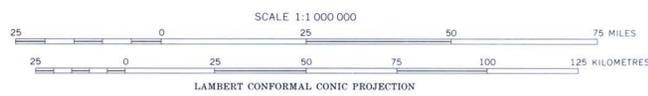
Byerly, P. E., and Joesting, H. R., 1959, Regional geophysical investigations of the Lisbon Valley area, Utah and Colorado: U.S. Geol. Survey Prof. Paper 216-C, p. 39-50.
Case, J. E., and Joesting, H. R., 1972, Regional geophysical investigations in the central Colorado Plateau: U.S. Geol. Survey Prof. Paper 736, 31 p.
Case, J. E., Joesting, H. R., and Byerly, P. E., 1963, Regional geophysical investigations in the La Sal Mountains area, Utah and Colorado: U.S. Geol. Survey Prof. Paper 316-F, p. 91-116.
Crittenden, M. D., Jr., Wallace, C. A., and Sheridan, M. J., 1967, Mineral resources of the High Uintas primitive area, Utah: U.S. Geol. Survey Bull. 1230-I, 27 p.
Fabiano, E. B., and Peddie, N. W., 1969, Grid values of total magnetic intensity IGRF-1965: U.S. ESSA Tech. Rept. C & GS 38, 35 p.
Mabey, D. R., Crittenden, M. D., Jr., Morris, H. T., Roberts, R. J., and Tooker, E. W., 1964, Aeromagnetic and generalized geologic map of part of north-central Utah: U.S. Geol. Survey Geophys. Inv. Map GP-422.
Steenland, N. C., 1969, An aeromagnetic survey of the Uinta Mountains, in Interim. Assoc. Geologists (and Utah Geol. Soc.), Ann. Field Conf., 16th, Salt Lake City, Utah, 1969, Geologic guide book of the Uinta Mountains, Utah's maverick range: Utah Geol. Survey, p. 47-51.
U.S. Geological Survey, 1966, Aeromagnetic map of the San Francisco Mountains and vicinity, southwestern Utah: U.S. Geol. Survey Geophys. Inv. Map GP-598.
1971, Aeromagnetic map of part of west-central Utah: U.S. Geol. Survey open-file report, scale 1:250,000.
1972a, Aeromagnetic map of parts of the Delta and Richfield 1° by 2° quadrangles, Utah, 1969, U.S. Geol. Survey open-file report, scale 1:250,000.
1972b, Aeromagnetic map of parts of the Richfield and Cedar City 1° by 2° quadrangles, Utah: U.S. Geol. Survey open-file report, scale 1:250,000.



SOURCES OF DATA

Data used as source of aeromagnetic data for areas shaded on index map are from U.S. Geological Survey reports. Area M is from Steenland (1969).
Total intensity aeromagnetic surveys by the U.S. Geological Survey with the different flight elevations, spacings, and directions listed below:
A. 8,500 feet barometric, 1 mile, E-W (Case and Joesting, 1972)
B. 9,000 feet barometric, 1 mile, E-W (U.S. Geol. Survey, 1971)
B'. 9,000 feet barometric, 1 mile, E-W (U.S. Geol. Survey, 1966)
C. 12,500 feet barometric, 1 mile, E-W
D. 11,500 feet barometric, 1 mile and 2 mile, E-W
E. 12,500 feet barometric, 1 mile, E-W (Case and others, 1963)
F. 500 feet above ground, 2 mile, E-W (Byerly and Joesting, 1959)
G. 11,000 feet barometric, 2 mile, E-W (Crittenden and others, 1967)
H. 12,000 feet barometric, 2 mile, E-W (Mabey and others, 1964)
I. 12,000 feet barometric, 5 mile, N-S
Total intensity aeromagnetic surveys by the University of Utah, College of Mines and Mineral Industries with the different elevations, spacings, and directions listed below:
J. 8,500 feet barometric, 2 to 4 mile, N-S
K. 12,000 feet barometric, 2 to 4 mile, N-S
A total intensity aeromagnetic survey by Scintrex Mineral Surveys, Inc. at 9,000 feet barometric, 2 mile spacing, E-W (L and L') (U.S. Geol. Survey, 1972a, b)
A total intensity aeromagnetic survey by GAI-GMX Corporation at 14,000 feet barometric, 2 mile spacing, N-S (M)
Total intensity aeromagnetic surveys by the Naval Oceanographic Office at approximately 15,000 feet barometric (individual traverse segments labeled N)

Base from U.S. Geological Survey, 1958



AEROMAGNETIC MAP OF UTAH
By
Isidore Zietz, Ralph Shuey, and John R. Kirby, Jr.
1976