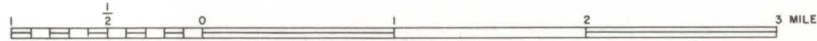


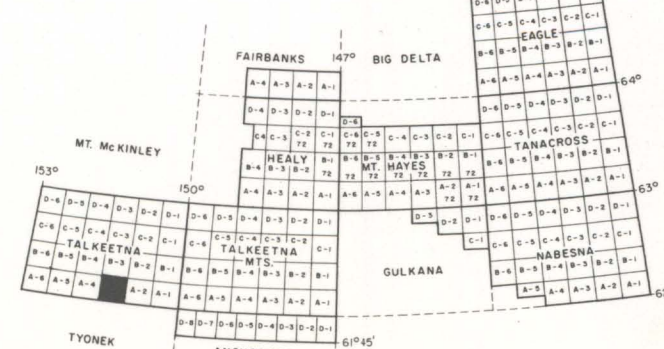
SCALE 1:63 360



**AEROMAGNETIC SURVEY
EAST ALASKA RANGE
TALKEETNA (A-3), ALASKA**

STATE OF ALASKA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF GEOLOGICAL AND GEOPHYSICAL SURVEYS
NORMAN J. VEACH, GEOPHYSICIST

Copies of this map may be obtained from
the Division at Box 80007, College, Alaska

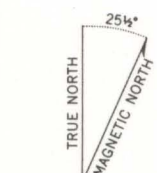


**TALKEETNA (A-3), ALASKA
AEROMAGNETIC SERIES**

The magnetic contours shown on this map represent the total anomalous magnetic field of the earth. Variations in this field are caused by the variable magnetic character of rock units crossed by the survey flights, and hence, can be used to estimate the apparent location of rocks rich in magnetic minerals. Such rock units may be either at the surface of the ground or buried beneath it. Anomalies show both positive and negative variations depending on the shape, attitude, and constituents of local rocks. Geophysical interpretation will be helpful in determining boundaries or depth of burial of anomaly-causing rock units. Some anomalies may be impossible to interpret without further geologic information. Basic profile data is retained at the Division of Geological and Geophysical Surveys and should be consulted for detailed analysis.

Contract specifications written in consultation with United States Geological Survey. Base map from U.S.G.S. 1:63 360 Topographic map series. Flown and compiled in 1972 by: LOCKWOOD, KESSLER & BARTLETT, INC. Pasadena, California.

- 10 GAMMA CONTOUR
- 20 GAMMA CONTOUR
- 100 GAMMA CONTOUR
- 500 GAMMA CONTOUR
- MAGNETIC LOW
- FLIGHT LINE AND DIRECTION WITH BEGINNING AND ENDING PHOTO NUMBERS
- MAGNETIC MAXIMUM/MINIMUM



APPROXIMATE MEAN DECLINATION, 1954

FLIGHT LINE SPACING 3/4 MILE
FLIGHT ALTITUDE NOMINALLY 1000 FEET ABOVE GROUND
REGIONAL MAGNETIC FIELD SW SHEET CORNER: 55,716 GAMMAS
REGIONAL FIELD REMOVED. THE FIELD INCREASES APPROXIMATELY 5.5 GAMMAS/MILE, N 43° E
APPROXIMATE FIELD INCLINATION: + 74.6°