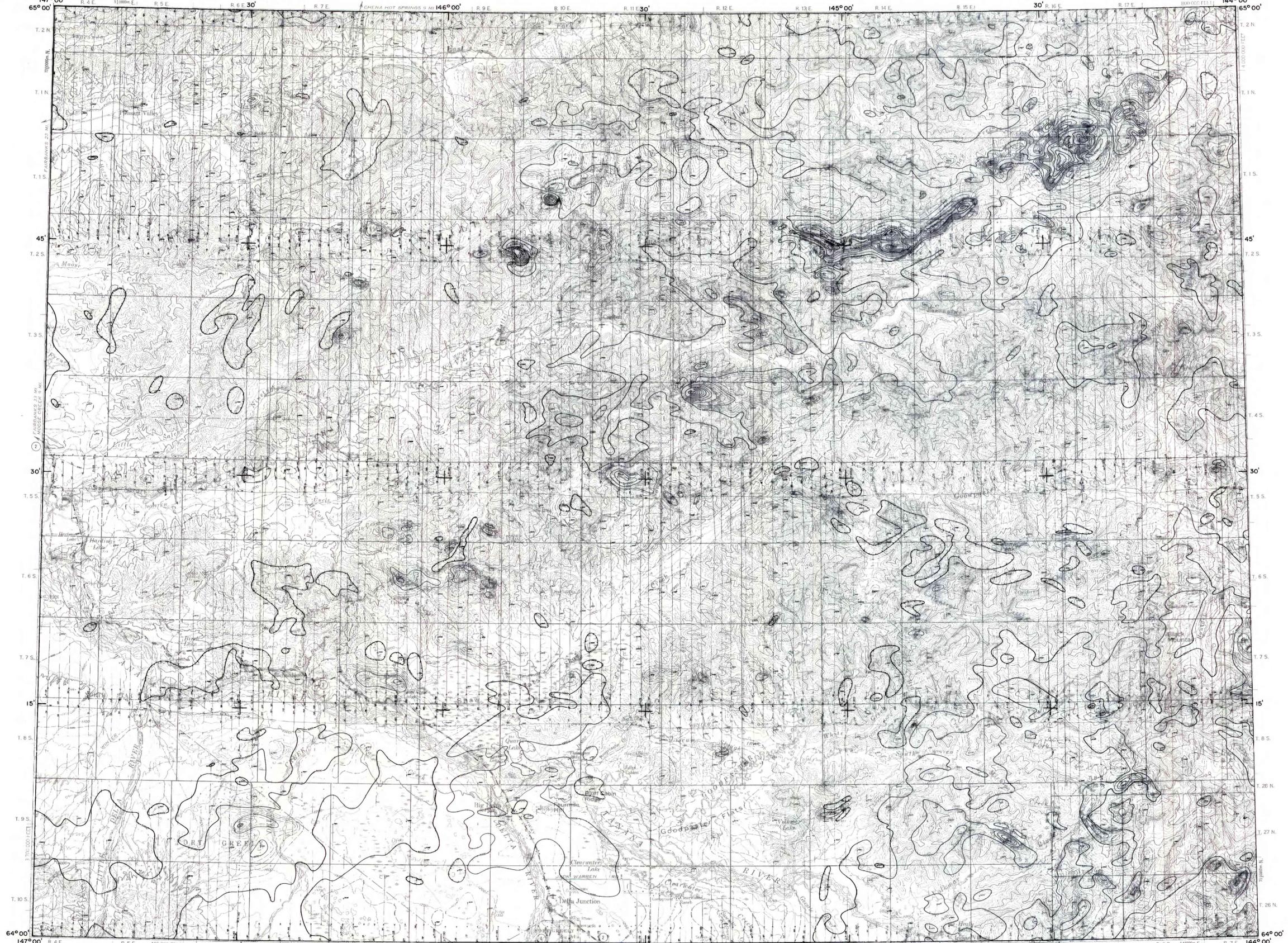


STATE OF ALASKA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF GEOLOGICAL AND GEOPHYSICAL SURVEYS

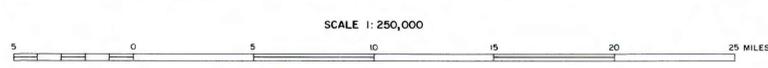
BIG DELTA QUADRANGLE
ALASKA
1:250,000 AEROMAGNETIC SERIES



EXPLANATION

- 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
- FLIGHT LINE SPACING 3/4 MILE
FLIGHT ALTITUDE NOMINALLY 1000 FEET ABOVE GROUND
REGIONAL MAGNETIC FIELD SHEET CENTER: 56,934 GAMMAS
REGIONAL FIELD REMOVED: THE FIELD INCREASES APPROXIMATELY 4.5 GAMMAS/MILE, N 80° E
APPROXIMATE FIELD INCLINATION +77.1°

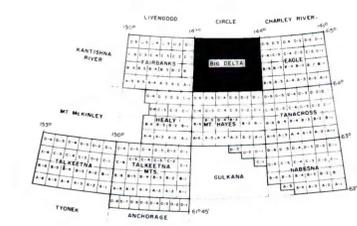
AEROMAGNETIC MAP
STATE OF ALASKA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF GEOLOGICAL AND
GEOPHYSICAL SURVEYS



**AEROMAGNETIC INTERPRETATION
OF THE
BIG DELTA QUADRANGLE, ALASKA**

By
Andrew Griscom

1979



**BIG DELTA, 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 approximate location of rocks rich in magnetic minerals. Such rock units may be either at the surface of the ground or buried beneath it. Anomalous 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 notes is retained at the Division of Geological and Geophysical Surveys and should be consulted for detailed analysis.

Plan and compiled in 1973 by
LOCKWOOD, KESSLER & BARTLETT, INC.
2476 Huntington Drive, San Marino, California, 91088

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