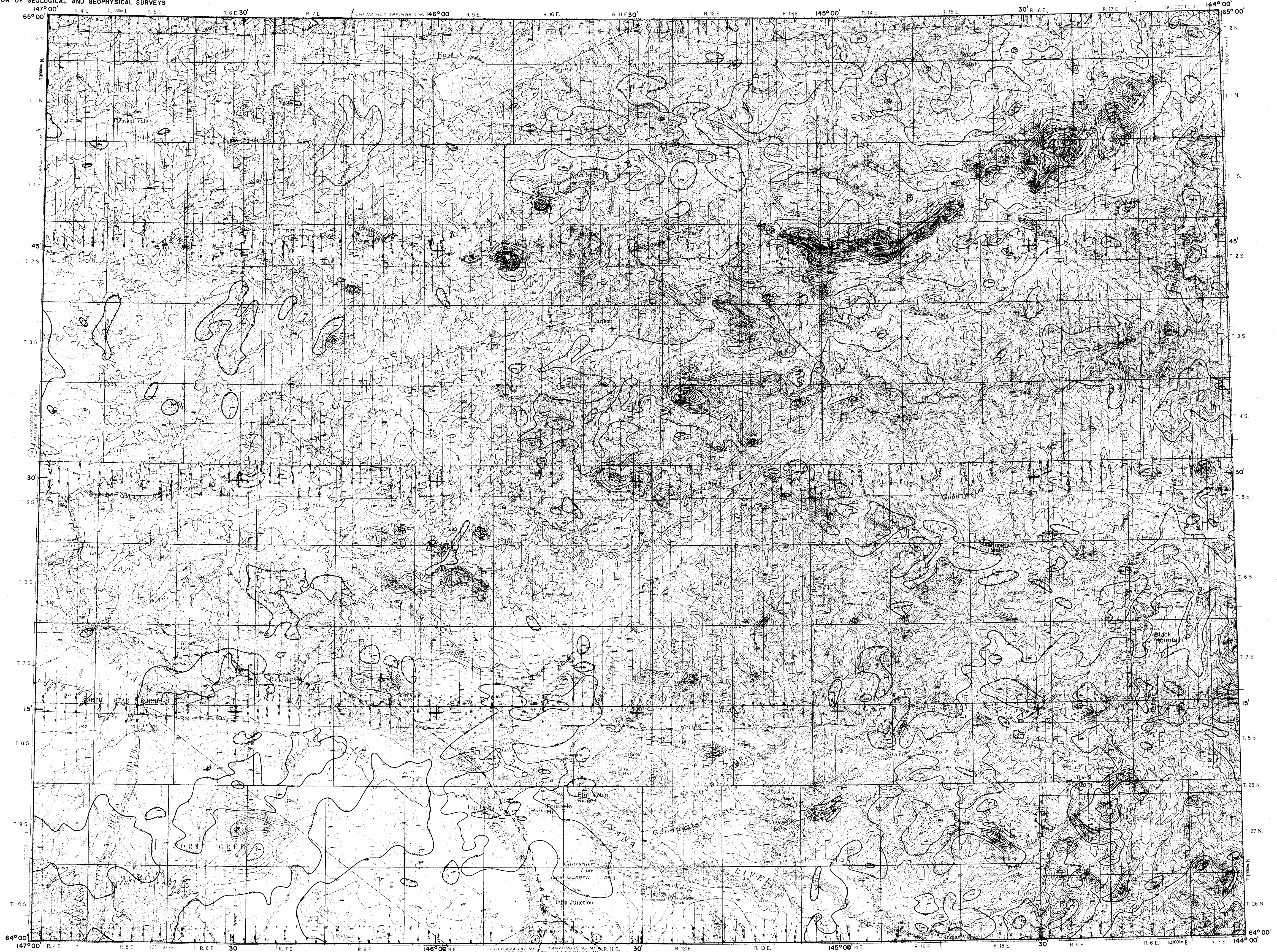


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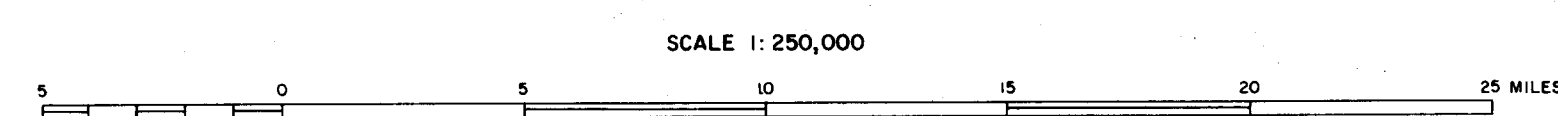
BIG DELTA QUADRANGLE  
ALASKA  
1:250,000 AEROMAGNETIC SERIES



EXPLANATION

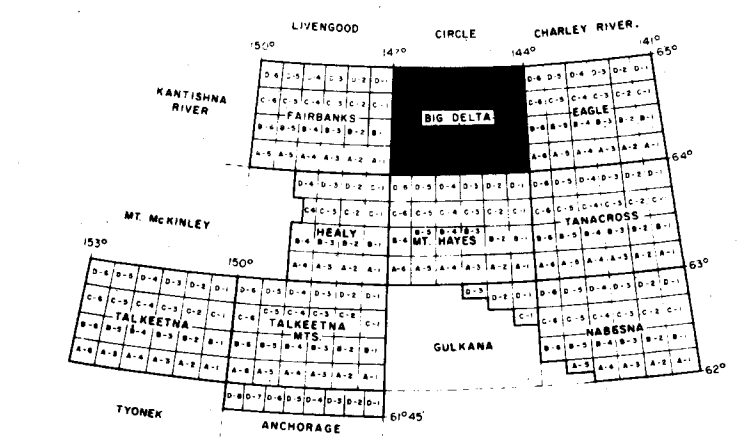
- 10 GAMMA CONTOUR
  - 20 GAMMA CONTOUR
  - 100 GAMMA CONTOUR
  - 500 GAMMA CONTOUR
  - MAGNETIC LOW
  - FLIGHT LINE AND DIRECTION WITH BEGINNING AND ENDING PHOTO NUMBERS
  - MAGNETIC MAXIMUM/MINIMUM
- FLIGHT LINE SPACING 3/4 MILE  
FLIGHT ALTITUDE NOMINALLY 1000 FEET ABOVE GROUND  
REGIONAL MAGNETIC FIELD SHEET CENTER 56,934 GAMMAS  
APPROXIMATELY 4.5 GAMMAS/MILE, N 55° 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



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 these 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. 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 magnetically contrasting 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.

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