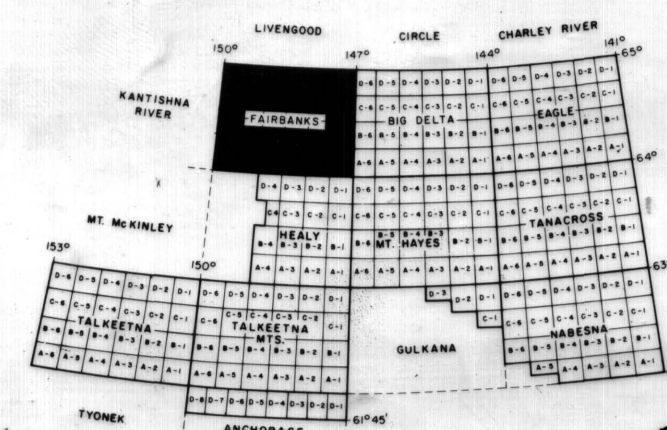


SCALE 1:250,000

**AEROMAGNETIC SURVEY  
EAST ALASKA RANGE  
FAIRBANKS, ALASKA**

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

Copies of this map may be obtained from the Division at  
3001 Pellyway Drive, Anchorage, Alaska, 99501, and  
Box 80007, College, Alaska, 99701.



**FAIRBANKS, 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 on the Division of Geological and Geophysical Surveys and should be consulted for detailed analysis.

Plan and compiled in 1973 by  
LOCKWOOD, KESSLER & BARTLETT, INC.  
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**ADGGS**

**FILE COPY**

**AOF-8**

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: 56,704 GAMMAS  
REGIONAL FIELD REMOVED. THE FIELD INCREASES  
APPROXIMATELY 4.7 GAMMAS/MILE, N 50° E.  
APPROXIMATE FIELD INCLINATION: +76.9°