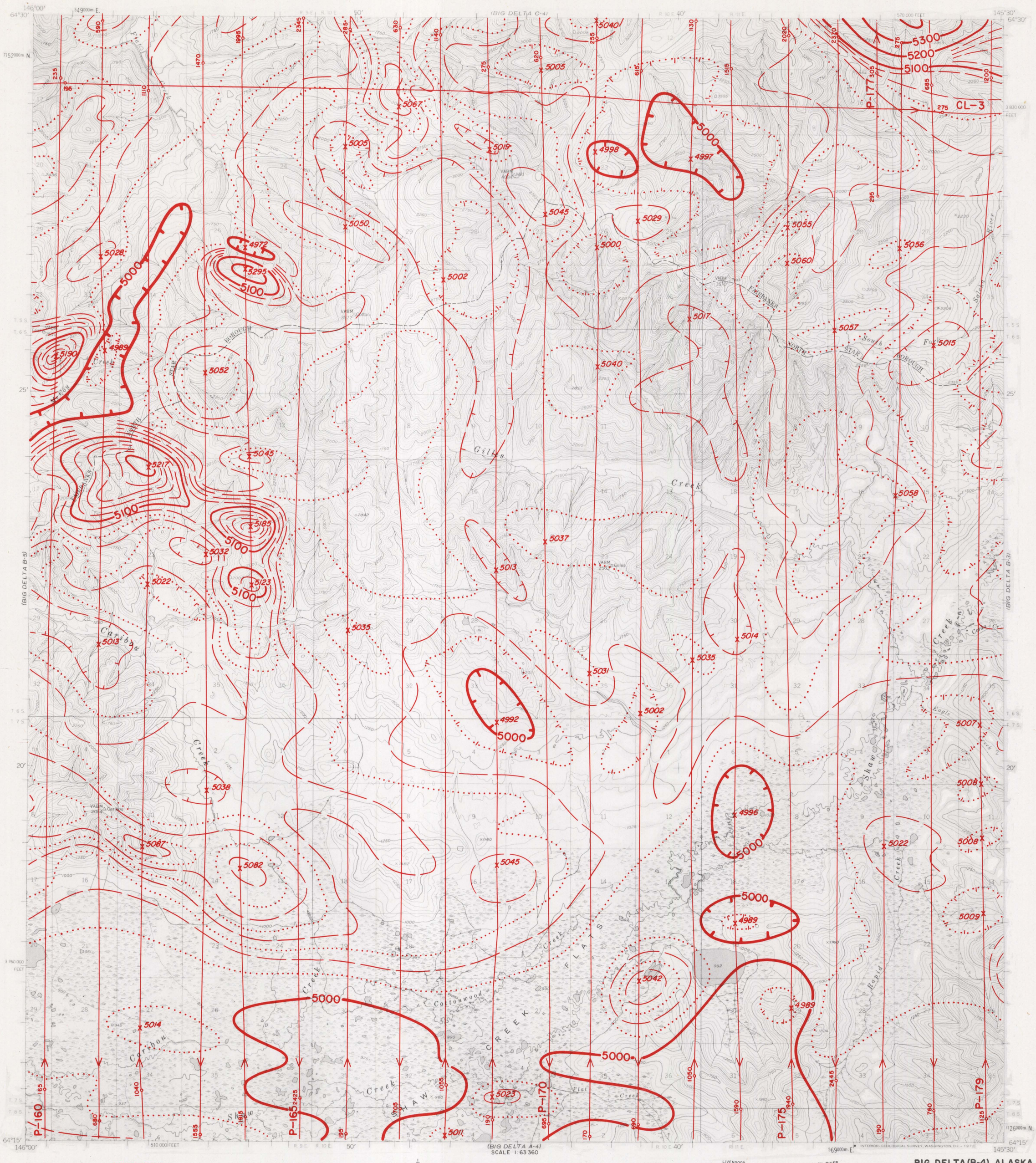
STATE OF ALASKA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF GEOLOGICAL AND GEOPHYSICAL SURVEYS

BIG DELTA (B-4), QUADRANGLE
ALASKA
1:63360 AEROMAGNETIC SERIES



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 SW SHEET CORNER: 56,934 GAMMAS

REGIONAL FIELD REMOVED. THE FIELD INCREASES

APPROXIMATELY 4.5 GAMMAS/MILE, N 55° E

APPROXIMATE FIELD INCLINATION: +77.1°

TRUE NORTH
MAGNETIC NORTH
31°
APPROXIMATE MEAN DECLINATION, 1950

1 ½ 0 1 2 3 MILES

AEROMAGNETIC SURVEY
EAST ALASKA RANGE
BIG DELTA(B-4), ALASKA

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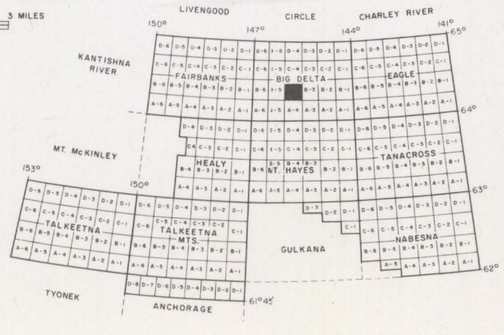
Copies of this map may be obtained from the Division at:
3001 Porcupine Drive, Anchorage, Alaska, 99501, and
Box 80007, College, Alaska, 99701.



BIG DELTA(B-4), 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.

Base map from U.S.G.S. 1:63 360 Topographic map series.
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