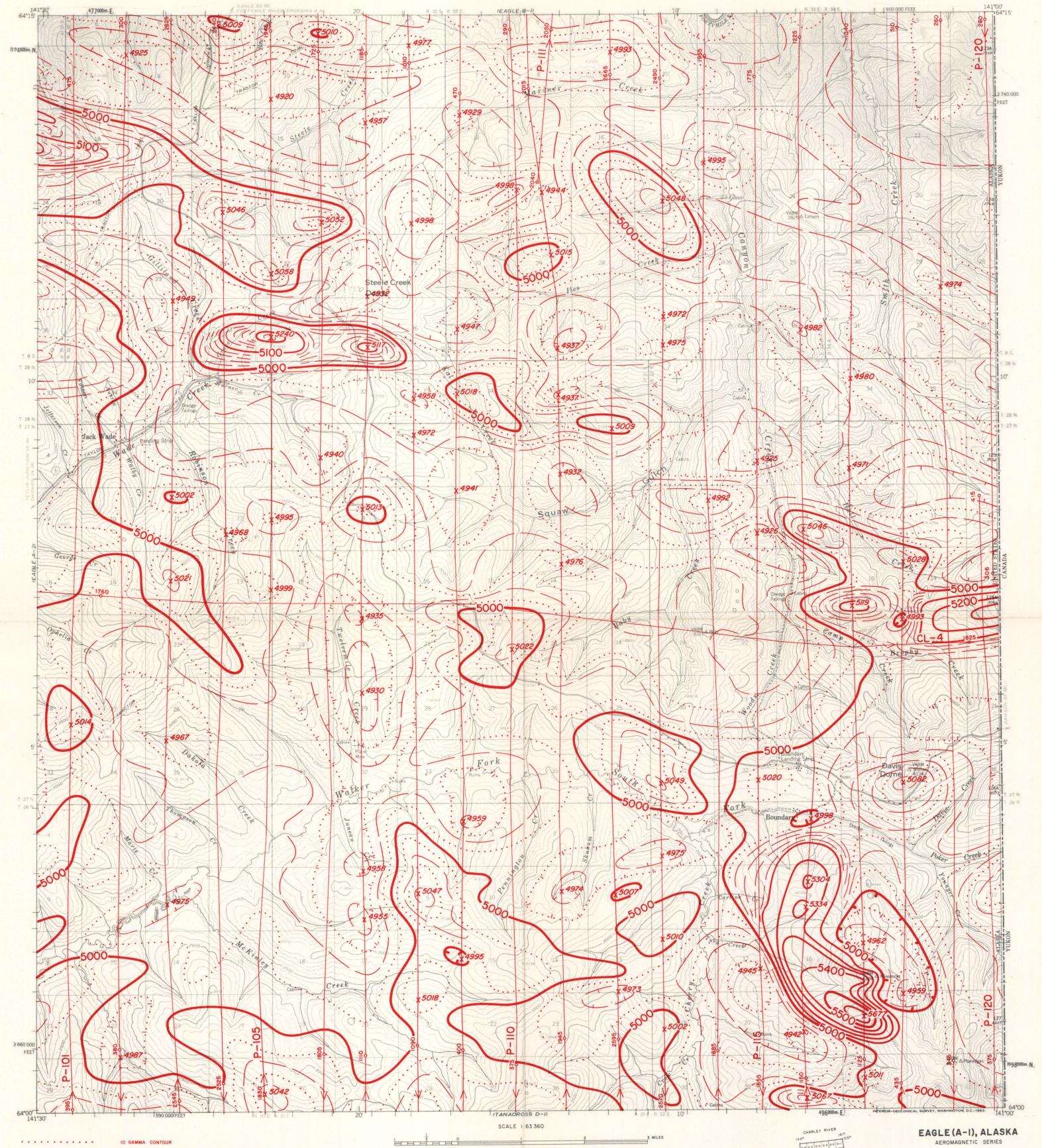
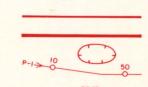
ALASKA 1:63360 AEROMAGNETIC SERIES





500 GAMMA CONTOUR MAGNETIC LOW

APPROXIMATE MEAN DECLINATION, 1956

AEROMAGNETIC SURVEY EAST ALASKA RANGE EAGLE (A-I), ALASKA

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

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



The magnetic contours shown on this map represent the total anomalous magnetic controls shown on this major perseam ine total discontinuous 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.

FLIGHT LINE SPACING 3/4 MILE FLIGHT ALTITUDE NOMINALLY 1000 FEET ABOVE GROUND REGIONAL MAGNETIC FIELD SW SHEET CORNER: 57,424 GAMMAS REGIONAL FIELD REMOVED. THE FIELD INCREASES

APPROXIMATELY 4.5 GAMMAS/MILE, N 60° E APPROXIMATE FIELD INCLINATION: + 77.6°