



APPROXIMATE MEAN DECLINATION 1950

STATE OF ALASKA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF GEOLOGICAL SURVEY

A map of the study area in the Bering Sea. The map shows a grid with longitude lines at 156° and 159° and a latitude line at 62°. Key locations labeled include BETHEL, GOODNEWS, KUSKOKWIM BAY, HAGEMEISTER ISLAND, and NUSHAGAK. A shaded area is located near Nushagak.

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 depths of these units, and in correlating them with the geologic information. Basic profile data is retained at the Division of Geophysical Survey and should be consulted for detailed analysis.

Contract specifications written in consultation with United States Geological Survey.
Base map from U.S.G.S. 1:63360 Topographic map series.
Flown and compiled in 1971 by:
Lockwood, Kessler & Bartlett, Inc. Pasadena, California.