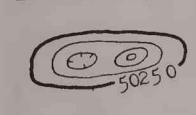




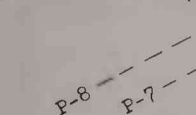
EXPLANATION



Showing total anomalous intensity of earth's magnetic field in gammas relative to arbitrary datum. Contours indicate magnetic lows. Contour interval 10 and 50 gammas.

H 51797 x 55490
L 50435

Measured maximum or minimum intensity, H/L (high, low) used only in area 2.



Flightline direction, northeast-southwest
Flight interval:
Traverse, 1 mile (1.6 km)
Traverse, variable
Flight altitude, 6,000 ft (2,000 m) barometric
Regional field removed. 108° 1965 dated to 1972 (area 2) and 1976 (area 1)

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.

Contract specifications written in consultation with United States Geological Survey.

Area 1 flown and compiled in 1976 by LKB Resources, Inc., Huntington, PA 19066.

Area 2 flown and compiled in 1972 by Aero Service, Philadelphia, PA 19135.

Base from USGS 1:250,000 Topo Series: KETCHIKAN, 1955; PRINCE RUPERT, 1959, ALASKA-CANADA; CRAIG, 1957, ALASKA 200 ft., Compiled by Menlo Park Base Map Section, (3-77)(33-7) BERG

U.S. GEOLOGICAL SURVEY-SPONSORED AEROMAGNETIC SURVEYS NEAR KETCHIKAN, ALASKA

1. SURVEY FLOWN IN 1976
2. SURVEY FLOWN IN 1972 (Berg and others, 1977; U.S. Geological Survey, 1976)
3. SURVEY FLOWN IN 1945 (Rossman and others, 1956). (Data not included on this map)

REFERENCES

Berg, R. C., Elliott, R. L., Smith, J. G., Pittman, T. L., and Kimball, A. L., 1977, Mineral resources of the Granite Flats wilderness study area, Alaska: U.S. Geol. Survey Bull. 1403, 151 p.

Rossman, D. L., Henderson, J. R., Jr., and Walton, M. S., Jr., 1956, Reconnaissance total intensity aeromagnetic map of the southern part of Prince of Wales Island, Alaska: U.S. Geol. Survey Geophys. Inv. Map GP-135, 1 sheet, scale 1:126,720.

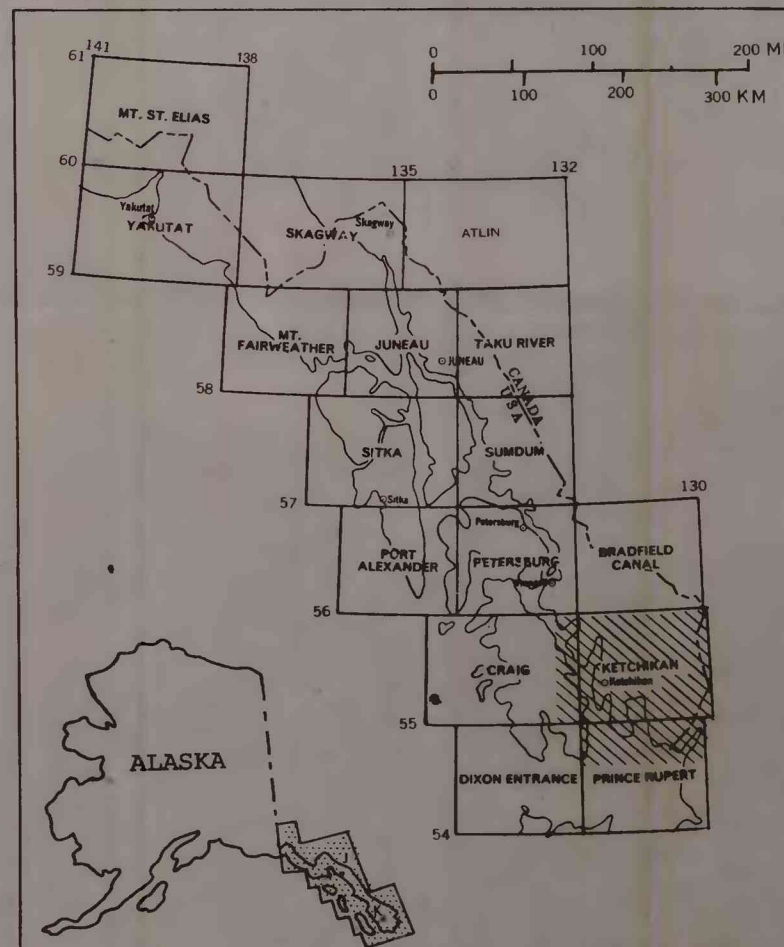
U.S. Geological Survey, 1976, Aeromagnetic maps of Granite Flats wilderness study area, Ketchikan and Redfield Coal quadrangles, southeastern Alaska: U.S. Geol. Survey open-file rept. 76-558, scale 1:63,360, 15 sheets.

AEROMAGNETIC MAP OF THE KETCHIKAN, PRINCE RUPERT,
AND NORTHEASTERN CRAIG QUADRANGLES, ALASKA

U. S. GEOLOGICAL SURVEY

1977

This map is preliminary and has not been reviewed for conformity with U.S. Geological Survey standards and nomenclature.



INDEX MAPS SHOWING LOCATION OF STUDY AREA

PLEASE REPLACE IN POCKET
IN BACK OF BOUND VOLUME

