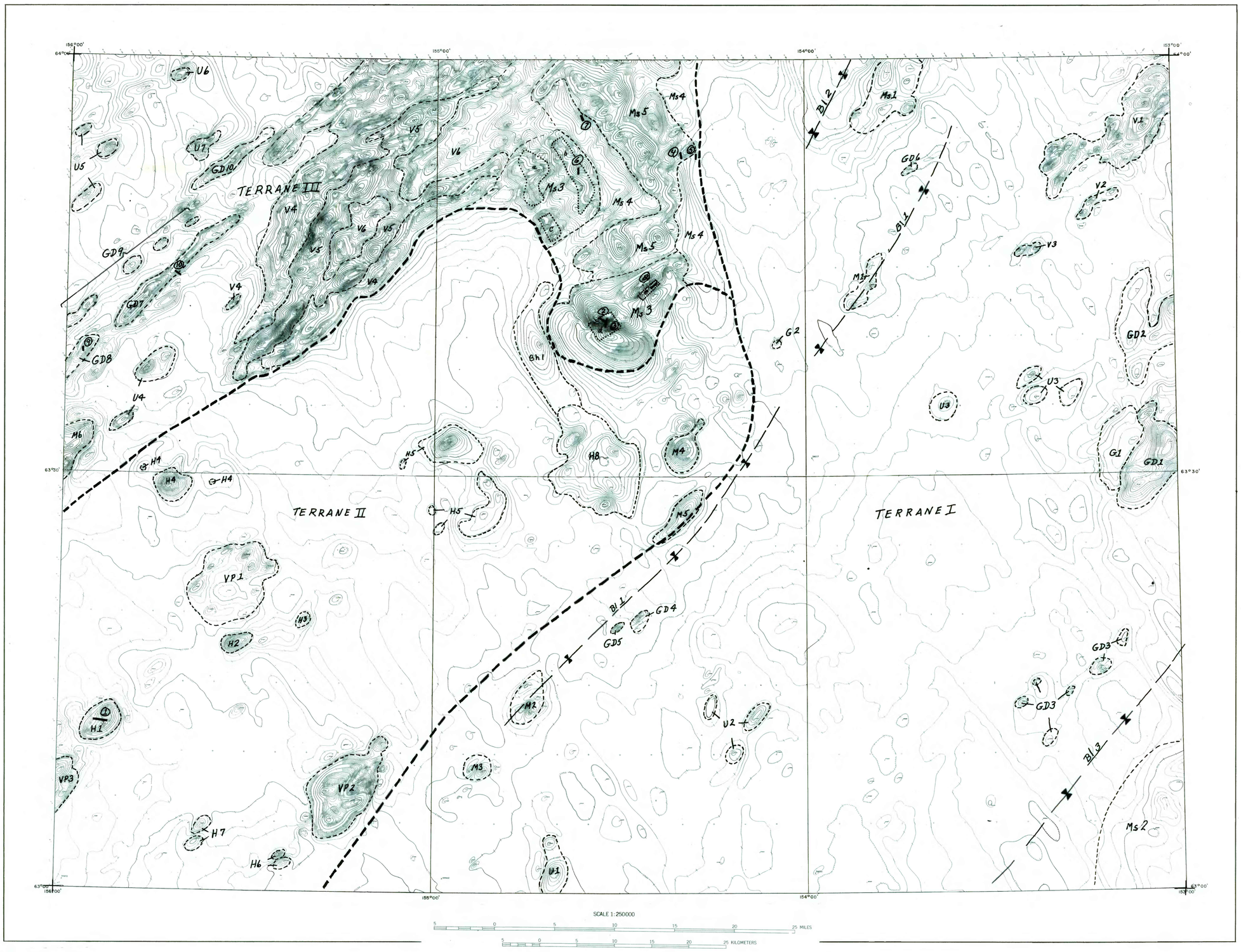
Department of the Interior
United States Geological Survey

OPEN-FILE REPORT 80-811E

SHEET 1 OF 2

AEROMAGNETIC INTERPRETATION - MEDFRA QUADRANGLE



SCALE 1:250000

5 0 5 10 15 20 25 MILES

5 0 5 10 15 20 25 KILOMETERS

1959 MAGNETIC DECLINATION AT SOUTH EDGE OF SHEET VARIES FROM 23°00' TO 24°30' EAST

Explanation

AEROMAGNETIC MAP

Total field contours:

- 10 gammas
- 50 gammas
- magnetic low

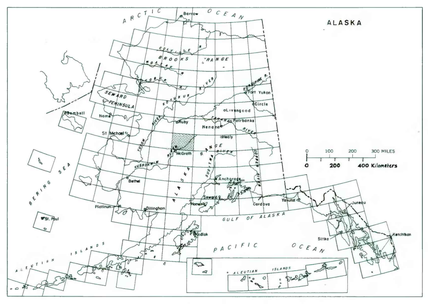
Flight line direction.....NW-SE
Flight line spacing.....1.6 km. (1 mile)
Flight line altitude.....300 m. (1,000 feet) T.C.
Constant added to data.....56000 gammas
Grid interval.....450 m. NE-SW, 250 m. NW-SE
Observed total field reading....X
Regional field removed -- IGRF 1975 updated to 1978

AEROMAGNETIC ANOMALY SYMBOLS

Bl	Basement low
Bh	Basement high
GD	Gabbro-diabase
V	Volcanic rocks
M	Monzonite
G	Granite
VP	Volcanoplutonic complex
Ms	Metamorphic rocks
H	Hornfels
U	Unknown

- Ground magnetic traverse. Profiles shown in figure 1
- Boundary between regional magnetic terranes
- Generalized outline of selected magnetic anomalies. Does not represent an inferred contact between magnetic and nonmagnetic units
- Areas within selected magnetic anomalies where source rocks may crop out
- Axis of basement low

Base map: aeromagnetic survey flown and compiled, 1978 by LKB Resources, Inc. for U.S. Geological Survey



INDEX MAP SHOWING LOCATION OF MEDFRA QUADRANGLE, ALASKA

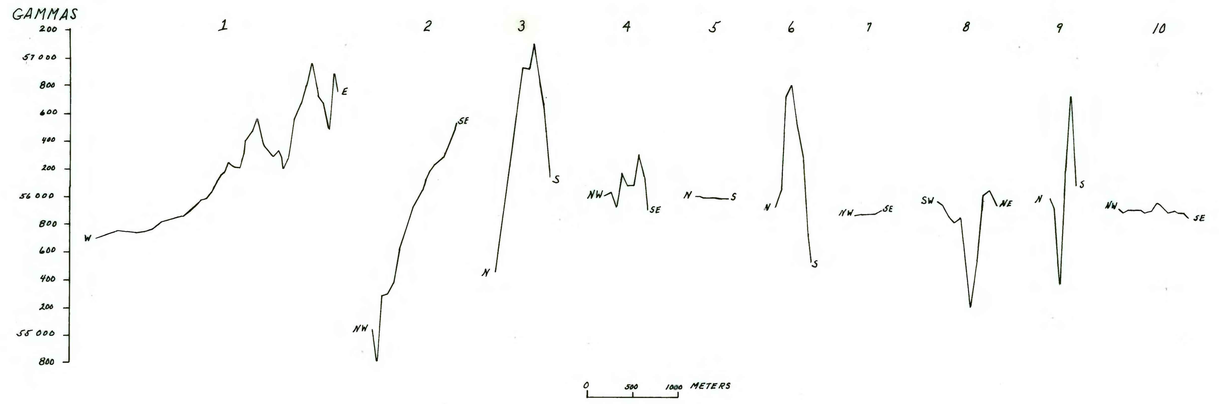


Figure 1: Ground magnetic profiles at selected localities in the Medfra quadrangle, Alaska.

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

AEROMAGNETIC INTERPRETATION OF THE MEDFRA QUADRANGLE, ALASKA

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1982