

EXPLANATION

GEOLOGY GENERALIZED FROM HOARE AND CONRAD (1978)

CORRELATION OF MAP UNITS

SURFICIAL DEPOSITS

Quaternary

VOLCANIC, SEDIMENTARY, AND METAMORPHIC ROCKS		INTRUSIVE ROCKS	
Qu	Quaternary	Q	Quaternary
Tu	Tertiary	T	Tertiary
Tr	Triassic	Tr	Triassic
Cr	Cretaceous	Cr	Cretaceous
Ca	Cambrian	Ca	Cambrian
Pr	Pre-Cambrian	Pr	Pre-Cambrian

DESCRIPTION OF MAP UNITS

SURFICIAL DEPOSITS	
Q	Unconsolidated sedimentary deposits

SEDIMENTARY, VOLCANIC, AND METAMORPHIC ROCKS	
Qu	Quaternary
Tu	Tertiary
Tr	Triassic
Cr	Cretaceous
Ca	Cambrian
Pr	Pre-Cambrian

GEOLOGIC SYMBOLS

—	Geologic boundary
—	Geologic contact
—	Geologic fault
—	Geologic structure

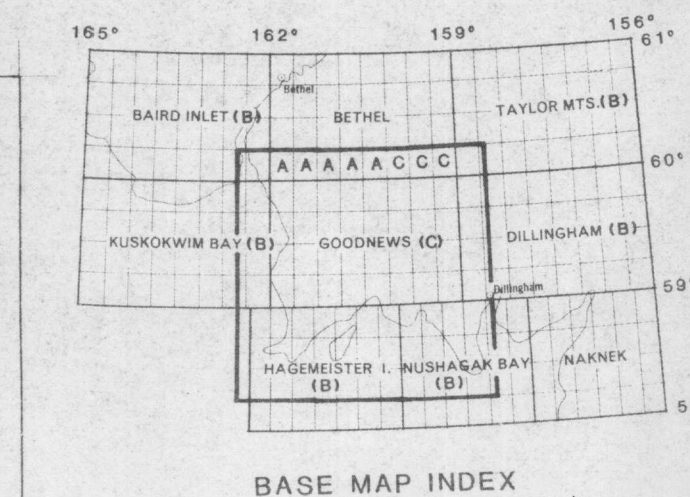
AEROMAGNETIC INTERPRETATION SYMBOLS

---	Fault inferred from aeromagnetic data; dashed where approximately located
---	Thrust fault inferred from aeromagnetic data, dashed where approximately located. Either crops out or is near surface
---	Covered boundary between magnetic and less magnetic rocks. Location approximate. May be at depths in excess of 1 km
C ₂	Magnetic anomaly caused by a concealed source. Subscript is a label for discussion purposes
R ₂	Magnetic anomaly caused by rocks with reverse remanent magnetization. Most of these anomalies are associated with granitic plutons. Subscript "C" if rocks concealed
G ₂	Magnetic anomaly believed to be caused by a granitic pluton. Subscript "C" if pluton is concealed
GA ₂	Magnetic anomaly believed to be caused by gabbroic rocks; subscript "C" if rocks concealed
MU ₂	Magnetic anomaly believed to be caused by an assemblage of mafic and ultramafic rocks; subscript "C" if rocks concealed. Many of these assemblages are probably ophiolites
U	Magnetic anomaly believed to be caused by ultramafic rocks
V ₂	Magnetic anomaly believed to be caused by volcanic rocks; subscript "C" if rocks concealed
V ₂ R ₂	Magnetic anomaly believed to be caused by reverse remanent magnetization

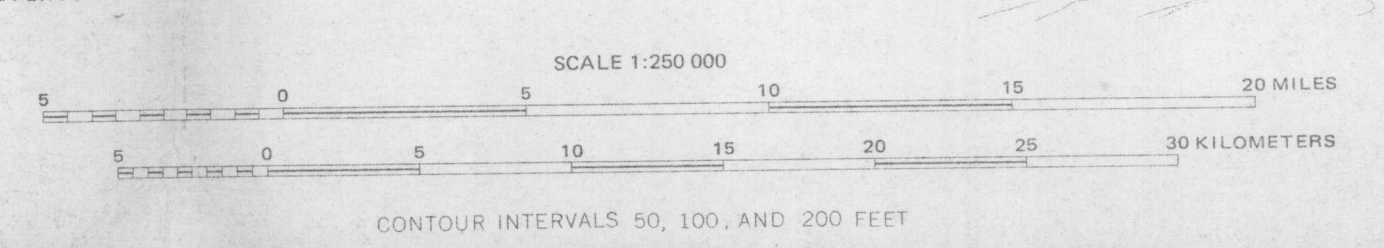
AEROMAGNETIC INTERPRETATION
OF THE
GOODNEWS AND HAGEMESTER ISLAND QUADRANGLES REGION, SOUTHWESTERN ALASKA

BY
ANDREW GRISCOM

1978



BASE MAP INDEX
Base compiled from U.S. Geological Survey
1:50,000 (A) and 1:250,000 (B) scale
topographic series 1925-1957 and advance
field completion material (C) 1978
by Nello Park Base Map Section



SCALE 1:250,000
CONTOUR INTERVALS 10, 20, AND 50 FEET
EQUIV. TO 3, 6, AND 15 METERS

BACKGROUNDS AND INFORMATION RELATING TO THIS REPORT IS TO BE FOUND IN
U.S. GEOLOGICAL SURVEY OPEN FILE REPORT 78-9-C
THIS REPORT IS PRELIMINARY AND HAS
NOT BEEN EDITED OR REVIEWED FOR
CONSISTENCY WITH GEOLOGICAL SURVEY
STANDARDS AND NOMENCLATURE.