

EXPLANATION

INTRUSIVE ROCKS

Kqm Kdqm	Kai Kkg	Kai Kql	Kqm Kbqm	Kqm Kki	Kqm Kklq	Kqmz Kad	Kqmz Kqm	Kdi Ksd
Quartz monzonite of Darby pluton	Granodiorite of Kachauik pluton	Quartz latite porphyry dike	Quartz monzonite of Bendeleben pluton	Hypabyssal intrusive rocks	Quartz monzonite of Kuzitrin Lake pluton	Alkaline dikes *, orientation as shown **, orientation unknown	Quartz monzonite	Diorite of Spruce Creek pluton
	Kkms Kkms	Kkhd Kkhd	Kkqm Kkqm	Kkns Kkns	Kwcm Kwcm			
	Monzonite and syenite of Kachauik pluton	Hybrid diorite of Kachauik pluton	Gneissic monzonite of Kachauik pluton	Nepheline syenite of Dry Canyon pluton	Monzonite and quartz monzonite of Windy Creek pluton			
			kmgm kmgm					
			Granite gneiss of Kivialik Mountain pluton					

CRETACEOUS
PRE-CRETACEOUS (?)

METAMORPHIC AND SEDIMENTARY ROCKS

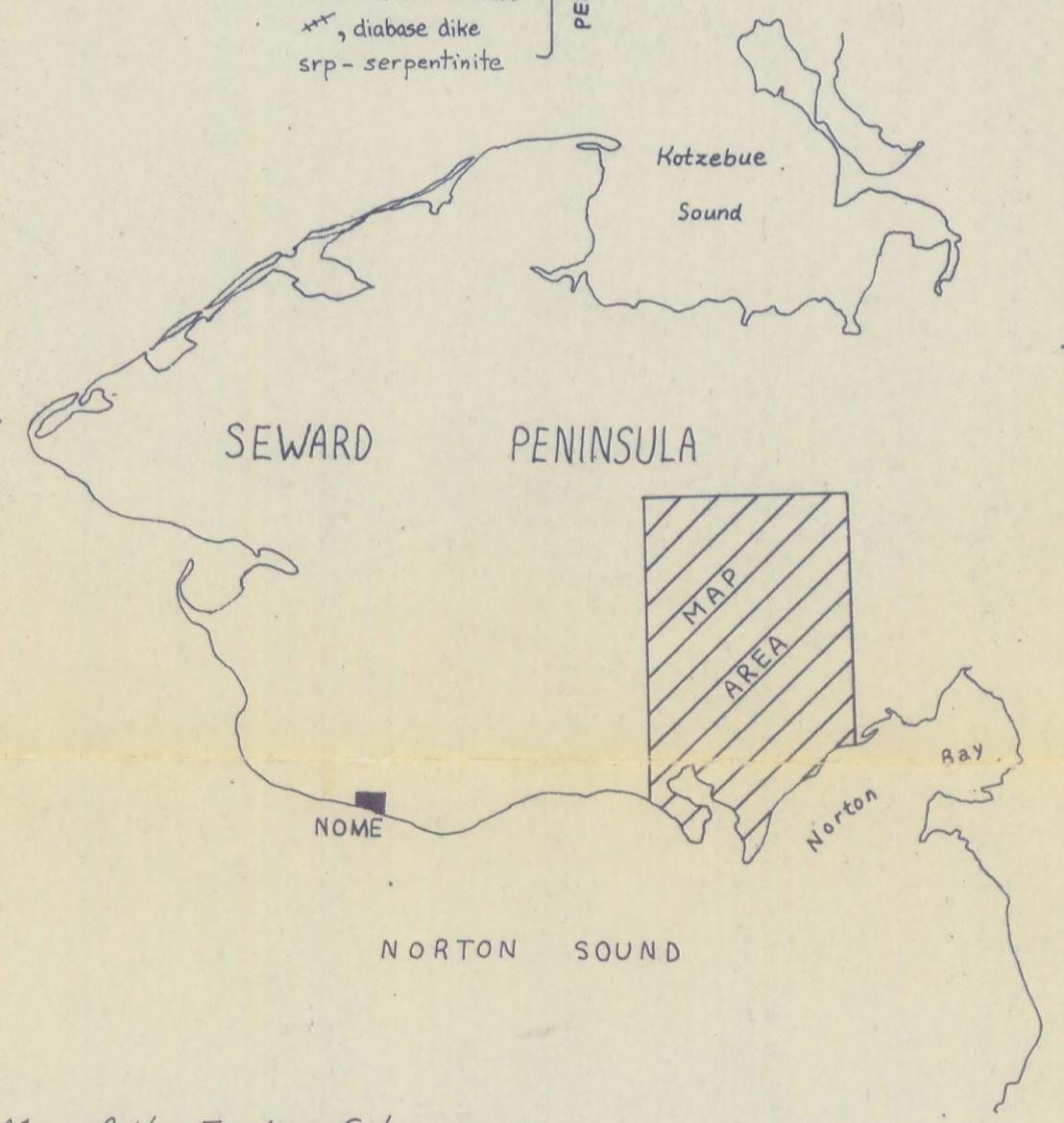
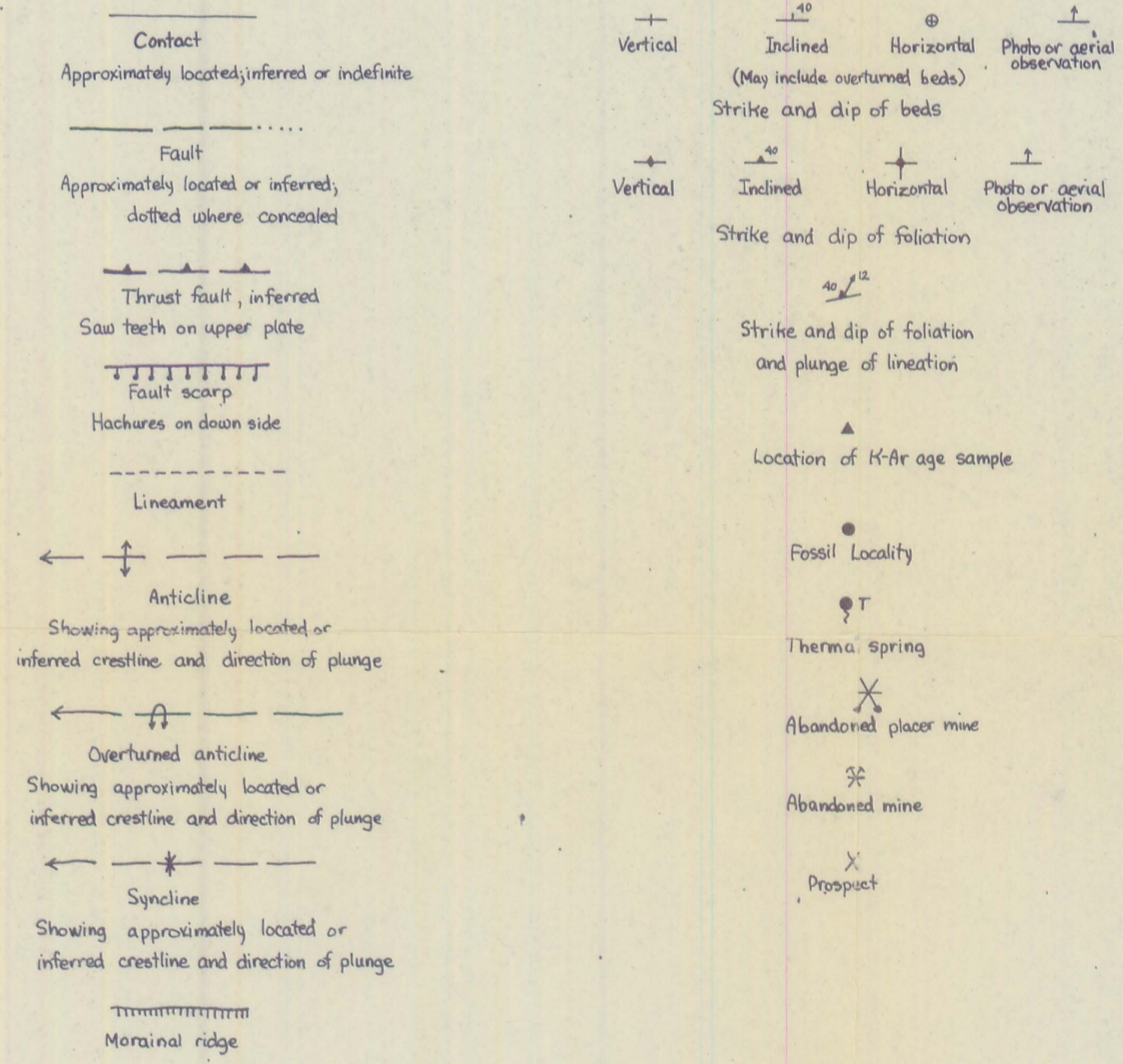
Qf Qf	Qftt Qfto	
Floodplain deposits	Floodplain and tidal flat deposits Qftt, younger Qfto, older	
Qca Qca	Qs Qs	
Colluvium and alluvium	Sand deposits	
Qm Qm	Qo Qo	
Morainal deposits	Outwash deposits	
Kc Kc		
Conglomerate		
Dld Dld		
Limestone and dolomite		
psm psm		
Schistose marble		
pcgs pcgs		
Graphitic schist and metasiltstone		
pcqms pcqms		
Quartz-mica schist and metavolcanic rocks		
mi mi	pcmc pcmc	pcm pcm
Migmatitic zone	Metamorphic complex	Marble

QUATERNARY
QUATERNARY
TERTIARY AND QUATERNARY
TERTIARY AND QUATERNARY
CRETACEOUS
DEVONIAN
PRECAMBRIAN

VOLCANIC ROCKS

Qlj Qlj	
Lost Jim Lava Flow	
Qg Qg	
Gosling Volcanics	
QTb QTb	
Basalt flows QTt, Imuruk Volcanics QTb, undifferentiated basalt *, vent and/or cone	
Pmv Pmv	
Mafic volcanic rocks *, diabase dike srp - serpentinite	

QUATERNARY
QUATERNARY
TERTIARY AND QUATERNARY
PERMIAN (?)



This report is preliminary and has not been edited or reviewed for conformity with Geological Survey standards

Explanation to accompany: Preliminary Geologic Map of the Eastern Seward and Southeastern Bendeleben Quadrangles, Eastern Seward Peninsula, Alaska 1972