

EXPLANATION

INTRUSIVE ROCKS

Kqm	Kdi:		Kqm	
Kdqm	Kkg	Kql	Kbqm	Khi
Quartz monzonite of Darby pluton	Granodiorite of Kachauik pluton	Quartz latite porphyry , dike	Quartz monzonite of Bendeleben pluton	Hypabyssal intrusive rocks
				Qua
	Kkms	Kkhd	Kkgm	
Monzonite and syenite of Kachauik pluton	Hybrid diorite of Kachauik pluton	Gneissic monzonite of Kachauik pluton		
			kmgn	
			Granite gneiss of Kiwalik Mountain pluton	

Contact

Fault
Approximately located or inferred;
dotted where concealed

Thrust fault, inferred
Saw teeth on upper plate

Fault scarp
Hachures on down side

Lineament

← ↓ — — —
Anticline
Showing approximately located or
named crestline, and direction of plunge


Overturned anticline
Showing approximately located or
ferred crestline and direction of plunge


Syncline
Showing approximately located or inferred crestline and direction of plung

Morainal ridge

METAMORPHIC AND SEDIMENTARY ROCKS

Qf	Qfty Qfto
Floodplain deposits	Floodplain and tidal flat deposits
Qca	Qs
Colluvium and alluvium	Sand deposits
Qm	Go
Morainal deposits	Outwash deposits

Kc
 Conglomerate
 Old
 Limestone and dolomite
 mls
 Marble, limestone, and schist
 pfsm
 Schistose marble
 pfqgs
 Graphitic schist and metasiltstone
 pEqms
 Quartz-mica schist and metavolcanic rocks
 mi
 Metamorphic complex
 pemc
 pem
 Marble

VOLCANIC ROCKS

The diagram illustrates a geological column with the following layers from top to bottom:

- Quaternary:** Lava Flow (labeled Qlj) and Gosling Volcanics (labeled Qg).
- Tertiary and (or) Quaternary:** Basalt flows (labeled QTb), Imuruk Volcanics (labeled QTi), and vent and (or) cone (marked with an asterisk *).
- Permian (?)**: Mafic volcanic rocks (labeled Pmv) and diabase dike (labeled Dm).

Brackets on the right side group the Gosling Volcanics, Basalt flows, and Mafic volcanic rocks under their respective periods. The vent and (or) cone is also bracketed with the Tertiary and (or) Quaternary label.

A hand-drawn map of the San Juan Islands. It features two main islands outlined in blue ink: Orcas Island on the left and Lopez Island on the right. The map shows the coastline and some internal features like bays.

A hand-drawn map on lined paper. The top left corner features a vertical column of diagonal hatching with the words "MAP" and "AREA" written vertically above it. To the right, a jagged line outlines a bay area labeled "Norton" at its base. Further to the right, another jagged line outlines a larger body of water labeled "Bay".

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 Solomon and
Southeastern Bendeleben Quadrangles,
Eastern Seward Peninsula, Alaska 1972