UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

EXPLANATION

SURFICIAL DEPOSITS

Recent

- Qm — Younger till
- Qg — Glacier ice
- Qgo — Glacial outwash gravel
- Qal — Alluvium
- Qt — Talus and other colluvium
- Qbs / Qbb — Beach deposits. Qbs, *sand and gravel*. Qbb, *boulder beach (summer 1947)*
- Qd — Dune sand

Pleistocene or Recent

- Qmo — Older till. *End moraines shown by hachures*

QUATERNARY

IGNEOUS AND METAMORPHIC ROCKS

Pleistocene and Recent

- Qvf / Qvp / Qvba — Volcanic rocks of Mount Vsevidof. Qvf, *youngest flows, including historic(?) latite flows.* Qvp, *andesite and rhyodacite pyroclastic beds and vent complex (section A–A′)* Qvba, *basaltic andesite and andesite flows*
- Qc — Cinder cone deposits undifferentiated

Volcanic rocks of Mt. Recheshnoi

- Qrf — Youngest hypersthene andesite flows. Qrf, *lava flows.* Qrp, *pyroclastic flows*
- Qrp
- Qr — Rhyolite domes
- Qrq — Quartz-bearing olivine andesite flow
- Qrv — Hypersthene andesite. Qra, *hypersthene-bearing labradorite andesite and hypersthene-bearing aphyric andesite flows and minor pyroclastic interbeds.* Qrv, *pyroclastic beds and vent complex*
- Qmv / Qmb — Mafic phenocryst basalt of Kshaliuk Point. Qmb, *anorthite-olivine-augite basalt flows.* Qmv, *vent complex*

QUATERNARY

UNCONFORMITY

TERTIARY

- Tdp — Plutonic rocks. *Diorite, quartz diorite, quartz monzonite, and granophyre*
- QTv / QTvp / QTvq — Volcanic rocks of central Umnak. QTv, *bedded volcanic rocks hydrothermally altered in places.* QTvp, *vent and intrusive complex altered and unaltered.* QTvq, *intensely silicified, potassium feldspathized rocks*
- Tvs — Albitized sedimentary and igneous complex. *Bedded argillite and tuff, Keratophyre flows, and albitized intrusive rocks*

Contact. *Long dashed where approximately located, short dashed where indefinite*

Probable fault. *Dotted where concealed*

Anticline. *Showing trace of axial plane. Dashed where approximately located*

Syncline. *Showing trace of axial plane. Dashed where approximately located*

35 — Strike and dip of layered rocks

90 — Strike of vertical layered rocks. *Position of 90 indicates up side of beds*

Horizontal layered rocks

Fumarole *(Summer, 1947)*

Thermal spring *(Summer, 1947)*

BERING SEA

PACIFIC OCEAN

INANUDAK BAY

Cape Ilmalianuk · Broken Point · Geyser Bight · Cemetery Cove · Hot Springs Cove · Kshaliuk Point · Twinlava Point · Derby Point · Mt Vsevidof Elev 8030 ft · Mt Recheshnoi Elev 5410 ft · Glacier · Geyser Creek · Partov Cove · Thumb Point · Rootan Bay · Cape Kigushimkada · Black Creek · Kigul Island · Amos Bay · Lookout Point · Olsen Bay · Seanewd Pass · Ananiuliak Island · Kelp Point · Sheep Creek · Trader's Cove · Black Cape · Driftwood Bay · Nikolaski Bay · Nikolaski · Sheep Ranch · Umnak Lake · Cape Starr · Coast Guard Loran Station (1947) · Cape Udak · Idaliuk Point · Elbow Hill · Breadloaf Island · Cape Sagak

TRUE NORTH · MAGNETIC NORTH · 13°30′

APPROXIMATE MEAN DECLINATION 1958

Mt Vsevidof

A — 6000′ / 4000′ / 2000′ / Sea level / 2000′ — A′

Bering Sea · Vent complex · Pacific Ocean

Mt Recheshnoi

B — 6000′ / 4000′ / 2000′ / Sea level / 2000′ — B′

Bering Sea · Vent complex · Pacific Ocean

GEOLOGIC MAP AND SECTIONS OF SOUTHWESTERN UMNAK ISLAND, ALEUTIAN ISLANDS, ALASKA

Scale 1:96 000

1 0 1 2 3 4 5 Miles

Contour interval 200 feet
Datum is mean sea level

Base by U. S. Geological Survey from official sources

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