

EXPLANATION

Quaternary

Qal Qd
Surficial deposits
Alluvium, colluvium, landslide deposits, and beach deposits, Qal; sand dunes, Qd

Pleistocene

Qkr
Qk
Rocks of Kiska Volcano
Lava flows and interbedded pyroclastic rocks forming Kiska Volcano. The most recent lava flows, Qkr, are mapped separately

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Qtk
Qtkb
Kiska Harbor formation
Water-laid coarse- to fine-grained pumice and detritus derived from volcanic rock, interbedded with breccia, and flow rock. Abundance of flow rock increases upward in the section and northward in the area. One breccia layer, Qtkb, and one lava flow, Qtkl, are mapped as members where correlation is possible

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Tg
Middle Tertiary
Gabbro
Medium- to coarse-grained intrusive gabbro and related rock types

Tv
Vega Bay formation
Marine deposits of volcanic breccia, tuff, and a few pillow lava flows, all of basaltic composition, with a few interbeds of conglomerate and sandstone of similar material

Tertiary

Dikes and intrusive rocks
Dikes and small intrusive bodies are related to both the Kiska Harbor and Vega Bay formations. Relation not differentiated

Contact
Dashed where inferred

Fault or fracture, showing dip
Dashed where inferred from topography. Direction of displacement shown where known. u, upthrown side, s, downthrown side

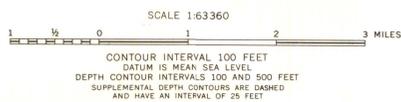
Strike and dip of beds

Horizontal beds

x51110
Location from which analyzed specimen collected

Base modified by U. S. Geological Survey from maps by Corps of Engineers. Control by U. S. Coast and Geodetic Survey. Submarine contours by H. A. Powers from data by U. S. Coast and Geodetic Survey hydrographic surveys

**GEOLOGIC RECONNAISSANCE MAP OF KISKA ISLAND,
ALEUTIAN ISLANDS, ALASKA**



INFORMATION: GEOLOGICAL SURVEY, WASHINGTON, D. C. 20508
Geology by R. R. Coats, 1947; D. P. Cox, J. P. Dobell, R. Q. Lewis, W. H. Nelson, H. A. Powers, and E. C. Stover, Jr., 1951