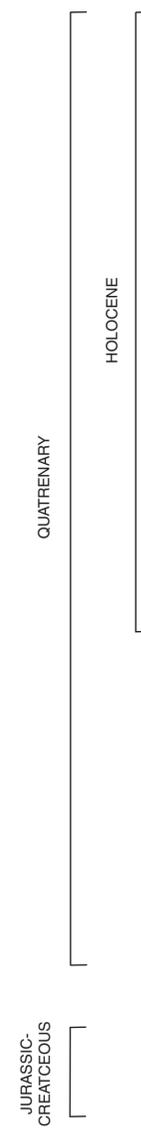


CORRELATION OF MAP UNITS

DESCRIPTION OF MAP UNITS



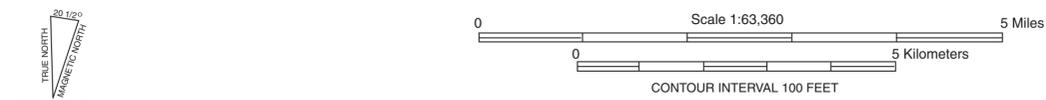
- Qltb** Lacustrine, lake terrace, and beach deposits.
- Qmt** Uncolored volcanic debris in Ugashik caldera.
- Mount Peulik Volcano**
- Qpa** Recent volcanic debris deposits off summit dome.
- Qpba** Block-and-ash flow deposits down from summit and east domes. Mostly dome debris; minor andesite.
- Qpds** Summit dome; porphyritic hornblende dacite.
- Qpde** East dome; porphyritic hornblende dacite.
- Qpyf** Recent andesite and basaltic andesite flows. Short, stubby flows with steep flow fronts and crescent-shaped surface ridges.
- Qpc** Cone-building andesite flows.
- Qpda** Debris-avalanche deposits. Hummocky topography consisting of mounds and depressions. Clasts are andesite and porphyritic dacite from Mount Peulik volcano.
- Qpoc** "Old" cone-building andesite flows.
- Qb** Basalt plug.
- Qtc** Tuff cone composed of andesite pyroclastic rocks.
- Ugashik Caldera**
- Qud** Intracaldera dacite and rhyolite domes.
- Qupf** Pyroclastic-flow deposits from caldera-forming eruption.
- Quf** Pre-caldera andesite and dacite flow.
- Qub** Pre-caldera andesite and dacite dome breccias.
- The Gas Rocks**
- Qdd** Dacite dome.
- Basement Rocks**
- JKnc** Naknek Formation (Jurassic); sandstones and conglomerate. Chignik Formation (Upper Cretaceous); siltstone, shale, conglomerate.
- Jqd** Quartz diorite (Jurassic) of Alaska Aleutian batholith.



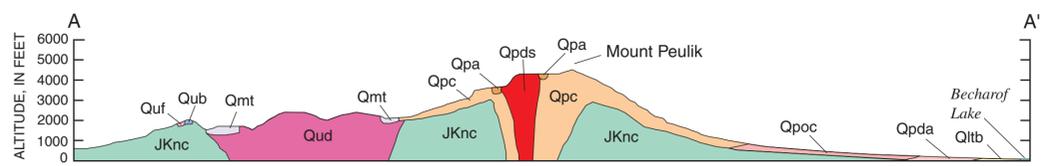
EXPLANATION OF SYMBOLS

- Contact *Dashed where approximately located*
- Bruin Bay Fault (extrapolated) *U, Up side; D, down side*
- ⊕ Crater rim/ Somma
- ⊖ Caldera rim
- ⊙ Volcanic vent
- 17● Analysed sample locality (Numbers refer to Table 3)
- ⊕ K-Ar age sample locality (Table 2)
- ▲ Water sample locality (Table 1)

Base from U.S. Geological Survey, Ugashik C1,C2, D1, D2, Alaska, 1:63,360, 1951
Geology modified from Detterman and others (1987a,b). Geology by T.P. Miller, I. Barnes, and R.L. Smith, 1973; T.P. Miller and R.L. Smith, 1974; T.P. Miller and M.E. Yount, 1979, 1982; T.P. Miller, 1985



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by
Thomas P. Miller
2004



GENERALIZED GEOLOGICAL CROSS SECTION