

DESCRIPTION OF MAP UNITS

UNCONSOLIDATED DEPOSITS

Qd Mainly glacial, glaciofluvial, and alluvial deposits of Pleistocene and Recent age; locally includes eluvium and, in a narrow belt along the present coastline, beach deposits of Pleistocene age; small exposures of older, buried beach deposits of Tertiary and Pleistocene (?) age may be spottily exposed in dredged area on coastal plain south of Anvil Mountain.

META-IGNEOUS ROCKS

mgr Metagranitic sills.
mgd Metagranodioritic sills.
gt Greenstone sills.

METASEDIMENTARY ROCKS

MARBLE

Pzmu--Consists mainly of calcareous, quartzolite, and quartz-chlorite-muscovite schist, but includes blue-gray and gray marble, buff-weathering and gray schistose marble; minor units include calcareous chlorite-muscovite schist, graphitic and non-graphitic chlorite-muscovite schist and quartz-chlorite-muscovite schist. Contact with underlying graphitic, calcareous schist gradational.

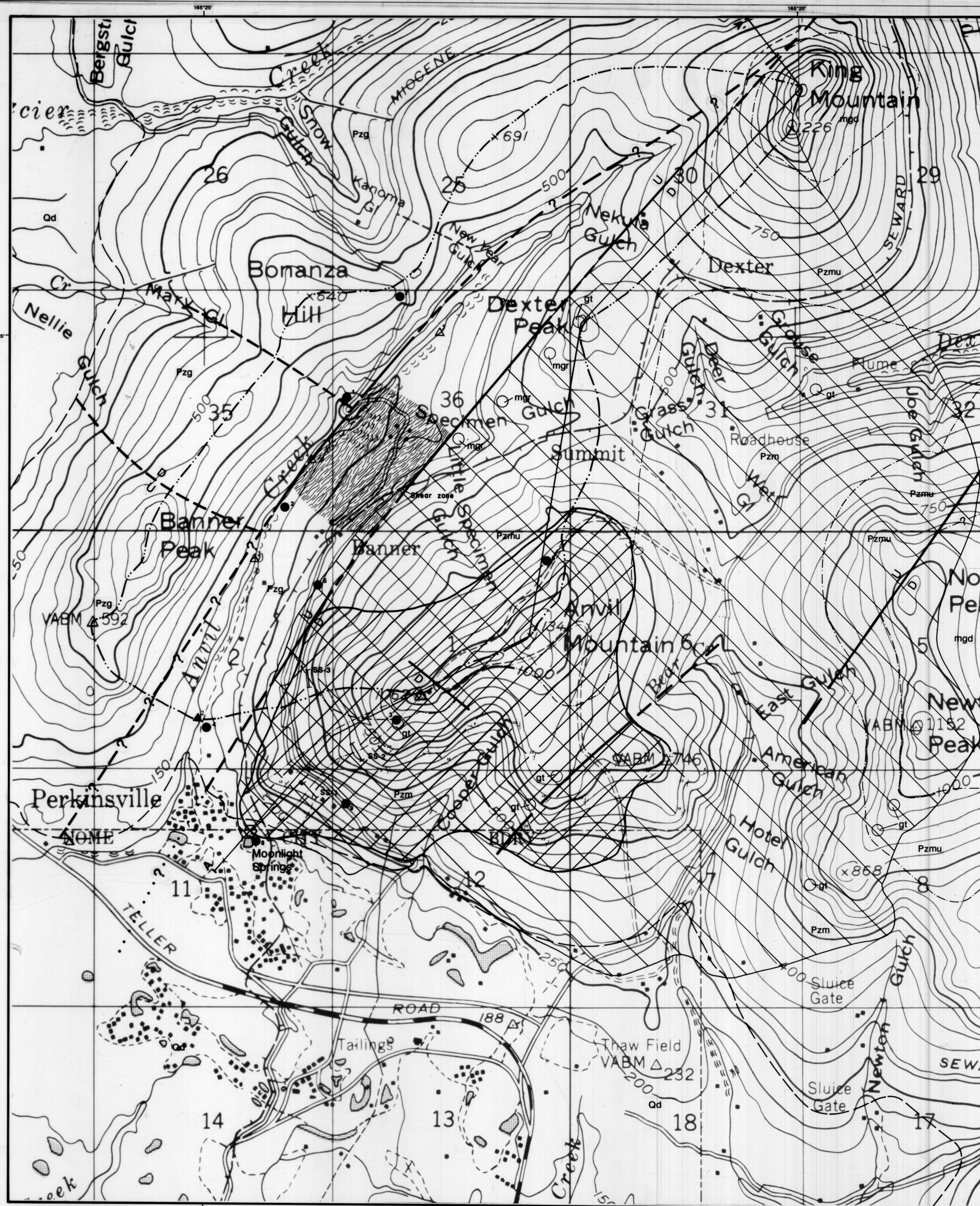
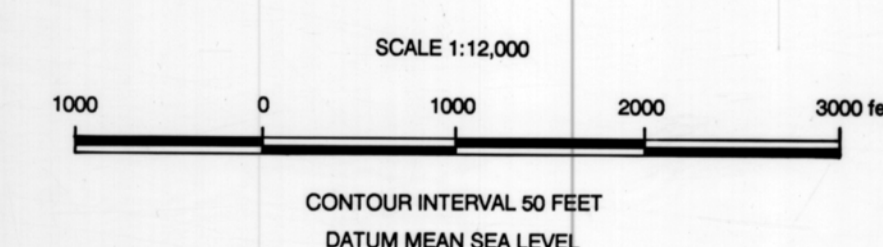
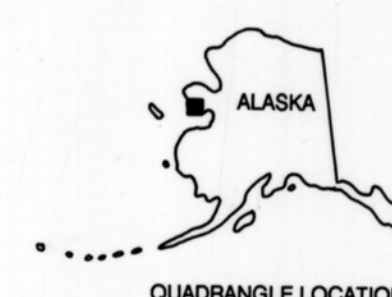
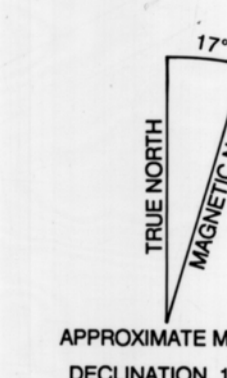
Pzm--Principally platy, slabby and massive blue-gray and gray marble and buff-weathering and gray schistose marble; minor units include calcareous chlorite-muscovite schist, graphitic and non-graphitic chlorite-muscovite schist and quartz-chlorite-muscovite schist. Contact with underlying graphitic, calcareous schist gradational.

GRAPHITIC, CALCAREOUS SCHIST

Pzg--Predominantly gray, slightly graphitic, calcareous quartz schist; minor units include blue-gray, gray, and black marble, graphitic chlorite-muscovite schist, quartz-chlorite-muscovite schist, and black quartz schist and black quartzite. Localized non-graphitic to slightly graphitic quartz-chlorite-muscovite schist, black graphitic quartz schist, and black graphitic quartzite.

MAP SYMBOLS

- Contact, short dashes where approximately located; short dashes alternating with dots where inferred; extrapolated, or semi-obscured; queried where doubtful.
- Contact of unconsolidated deposit, approximately located.
- U D Fault, dashed where approximately located or inferred; dotted where concealed; queried where doubtful.
U, upthrown side D, downthrown side.
- Strike and dip of bedding
- 4 Rain gage, with site identifier (see table 2 for data)
- 2 Anvil Creek gage, with site identifier (see table 1 for data)
- 5 Discharge measurement site on Anvil Creek, with site identifier (see table 1 for data)
- SS-1 Snow survey site with site identifier (see table 3 for data)
- Anvil Creek watershed boundary above gage site
- Moonlight Springs watershed boundary
- Primary Moonlight Springs recharge area boundary, approximately located. See text for additional explanation.
- Secondary Moonlight Springs recharge area boundary, approximately located. See text for additional explanation.



Base from U.S. Geological Survey
Nome C-1 Quadrangle, Alaska 1950

Geologic map after Hummel (1962)

GEOLOGIC MAP, HYDROLOGIC DATA COLLECTION SITES, AND MOONLIGHT SPRINGS RECHARGE AREAS, ANVIL CREEK-MOONLIGHT SPRINGS AREA, NOME, ALASKA

by

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