

EXPLANATION

DESCRIPTION OF MAP UNITS

Qal	Qaf	Qg	Ql	Qls	Qrg	Qgl
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ALLUVIAL AND COLLUVIAL DEPOSITS

- Qal, alluvium
- Qaf, alluvial fan deposits
- Qg, terrace gravels
- Ql, talus deposits
- Qls, landslide and earthflow deposits
- Qrg, rock glacier
- Qgl, glacier



GLACIAL DEPOSITS

Predominantly glacial moraine deposits, but may include some glacial outwash.

UNCONFORMITY



NENANA GRAVEL



MAFIC DIKES



COAL BEARING GROUP



GRANITIC ROCKS

Predominantly hornblende-biotite quartz monzonite and quartz diorite.



FELSIC DIKES

Age uncertain; may range from late Paleozoic to Tertiary.



Sheep Creek Member



Mystic Creek Member



Clute Creek Member



California Creek Member



Moose Creek Member

TOTALANIKIA SCHIST

mc, cc, mo, primarily phyllitic metarhyolite, ch, chlorite-epidote-actinolite metabasite, sc, phyllitic metasandstone and siltstone with minor metabasite.



PALEOZOIC METAVOLCANIC ROCKS

Predominantly metabasite with minor metabasite, mr, phyllitic metarhyolite.



KEEVY PEAK FORMATION

Sericite-quartz phyllite, carbonaceous quartz phyllite, micaceous quartzite with minor stretched-pebble conglomerate.



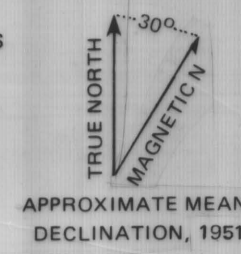
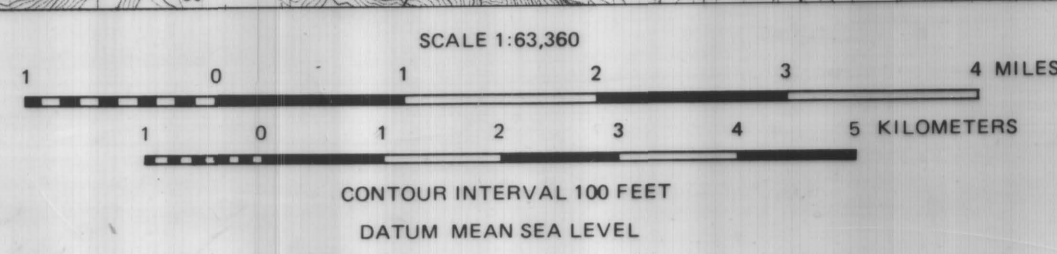
BIRCH CREEK SCHIST

Polymetamorphic micaceous quartzite and biotite-muscovite-quartz schist with minor intercalations of chlorite-actinolite schist and carbonaceous quartz phyllite.

GEOLOGIC MAP SYMBOLS

- Contact
- - - ? - Fault, queried where uncertain
- Strike and dip of beds
- Strike and dip foliation
- Inclined
- Vertical
- Coal bed outcrop

Base from USGS Healy D-1 (1952), and Fairbanks A-1 (1949) Quadrangles, Alaska



Geology by W.G. Gilbert (1975, 1976), assisted by J.T. Kline.

This report is a preliminary publication of D.G.S. The author is solely responsible for its content and will appreciate candid comments on the accuracy of the data as well as suggestions to improve the report.

GENERAL GEOLOGY OF HEALY D- 1 AND SOUTHERN FAIRBANKS A-1 QUADRANGLES, ALASKA

by  
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1977