

DESCRIPTION OF MAP UNITS

Fair - A reconnaissance-series 1:250,000-scale geologic map is available but has not been reliably verified by field observations, laboratory tests, or both; interpretation of 1:250,000-scale satellite imagery is not verified by field observations; major landforms identified on satellite imagery or topographic maps are composite and identification of individual landforms is not possible.

Moderate - A 1:250,000- or 1:125,000-scale geologic map is available; known to be generally reliable because of limited field observations, a few laboratory tests, or both; interpretation of 1:65,000- or larger scale aerial photographs is not verified by field observations.

Very Good - One or more 1:63,360- or larger scale geologic map is available; verified by numerous detailed field observations, or multiple laboratory tests, or both; interpretation of 1:65,000- or larger scale aerial photographs has considerable field verification.

MAP SOURCES

Fernald, A.T., 1964, Surficial geology of the central Kobuk River valley, northwestern Alaska: U.S. Geological Survey Bulletin 1181K, 31 p., scale 1:250,000, 1 sheet.

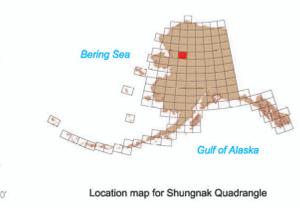
Fritts, C.E., 1969, Geology and geochemistry of the southeastern part of the Cosmos Hills, Shungnak D-2 Quadrangle, Alaska: Alaska Division of Mines and Geology Geologic Report 37, 35 p.

Fritts, C.E., 1970, Geology and geochemistry of the Cosmos Hills, Ambler River and Shungnak quadrangles, Alaska: Alaska Division of Mines and Geology Geologic Report 39, 69 p.

Hiltman, M.W., Smith, T.E., and Proffett, J.M., 1982, Bedrock geology of the Ambler River district, southwestern Brooks Range, Alaska: Alaska Division of Geological & Geophysical Surveys Geologic Report 75, scale 1:125,000, 2 sheets.

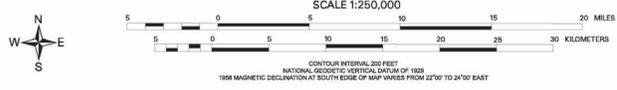
Pallister, J.S., and Carlson, Christine, 1988, Bedrock geologic map of the Angayucham Mountains, Alaska: U.S. Geological Survey Miscellaneous Field Studies Map MF-2024, scale 1:63,360, 1 sheet.

Patton, W.W., Jr., Miller, T.P., and Tailleux, I.L., 1968, Regional geologic map of the Shungnak and southern part of the Ambler River quadrangles, Alaska: U.S. Geological Survey Miscellaneous Geologic Investigations Map I-554, scale 1:250,000, 1 sheet.



Base from USGS Shungnak (1965, limited revisions 1983) Quadrangle, Alaska

Digital cartography by R.L. Smith, D.S.P. Stevens, and A.C. Shumway, 2003



**DATA-QUALITY ASSESSMENT OF GEOLOGIC MAPPING ALONG PROPOSED TRANSPORTATION CORRIDORS
 IN THE SHUNGNAK QUADRANGLE, ALASKA**

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 2003



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