



DESCRIPTION OF MAP UNITS

UNCONSOLIDATED DEPOSITS

- GM Chiefly (estimated greater than 80%) clean sand and gravel. Rare oversized material. Includes GW and GP (Unified Soil Classification).
- GS Mixed coarse and fine material. Estimated 20-80% coarse, granular deposits with considerable oversized material. Includes GM and GC (Unified Soil Classification).
- SM Chiefly fine materials. Estimated greater than 80% sand, silt, and clay. Includes SM, SC, ML, MH, CL, and CH (Unified Soil Classification).
- OR Chiefly organic materials. Estimated greater than 50% peat, organic sand, or organic silt. Includes Pt (Unified Soil Classification).

BEDROCK

- BM Medium-jointed, fine- to medium-grained quartzose sedimentary rocks and their metamorphic equivalents. May be deeply weathered.
- BU Undifferentiated bedrock lithologies. May be deeply weathered.

MAP SOURCES

- Carter, L.D., Ferrans, O.J., Jr., and Galloway, J.P. 1986, Engineering-geologic maps of northern Alaska, coastal plain and foothills of the Arctic National Wildlife Refuge. U.S. Geological Survey Open-file Report 86-334, 9 p., scale 1:250,000, 2 sheets.
- Rawlinson, S.E. 1990, Surficial geology and morphology of the Alaska central Arctic Coastal Plain: Fairbanks, University of Alaska PhD dissertation, 311 p., scale 1:63,360, 6 sheets.



Location map for Mount Michelson Quadrangle

Base from USGS Mount Michelson (1956, limited revision 1983) Quadrangle, Alaska



CONTOUR INTERVAL 200 FEET  
NATIONAL GEODETIC VERTICAL DATUM OF 1929  
1986 MAGNETIC DECLINATION AT SOUTH EDGE OF MAP VARIES FROM 27°30' TO 24°00' EAST

Digital cartography by R.L. Smith, D.S.P. Stevens, and A.G. Shumren, DGGS



DERIVATIVE GEOLOGIC-MATERIALS MAP OF PROPOSED TRANSPORTATION CORRIDORS  
IN THE MOUNT MICHELSON QUADRANGLE, ALASKA

compiled by  
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