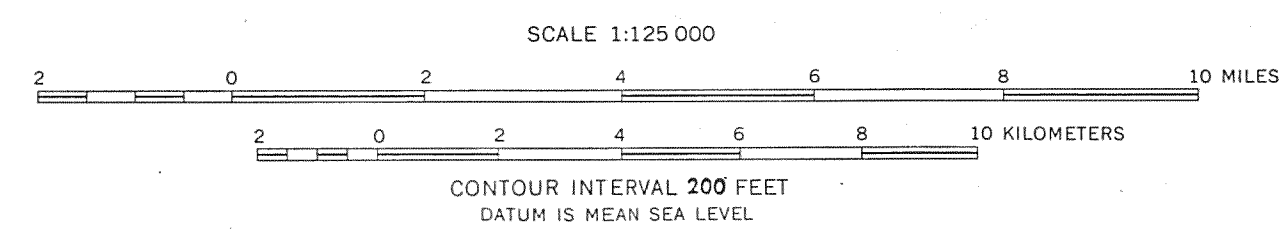


EXPLANATION

UNCONSOLIDATED DEPOSITS		SEDIMENTARY ROCKS		TERRAZZO ROCKS	
Qag, Alluvium Qf, Floodplain deposits	Qco, Coluvium	Qsu, Alluvial fans	Qsw, Swamp deposits	Qls, Landslides	
Qsu, Silt, undifferentiated	Qf, Windblown silt	Qst, Silt terrace	Qhc, High level gravels		
Qcah, Shale, graywacke, conglomerate	Qsc, Silt, quartzite, shale and argillite	Qsp, Greenschist			
Qca, Argillite, shale and limestone	Qcu, Chert and shale				
Qca, Pre-Inner Devonian	Qca, Mafic and ultramafic rocks				
Qca, Intrusive, and sedimentary UNCONFORMITY	Qca, Contact locally gradational and approximately located.				
Qca, Extrusive, intrusive, and sedimentary UNCONFORMITY	Qca, Dashed where approxi- mately located; dashed where doubtful; dotted where concealed.				
Qca, Thrust fault	Qca, Dashed where approxi- mately located; dashed where doubtful; dotted where concealed. Six-inch on upper plate.				

Base from U. S. Geological Survey 1:250,000 series, 1956



Geology by Reuben Kachadoorian, 1969,
Reuben Kachadoorian and E. J. Moore II, 1970.
Bedrock geology by R. M. Chapman, F. R. Weber,
and W. E. Yeend, 1970.

Bedrock units shaded.

PRELIMINARY ENGINEERING GEOLOGIC MAPS OF THE PROPOSED TRANS-ALASKA PIPELINE ROUTE, TANANA AND LIVENGOOD QUADRANGLES

Compiled by Reuben Kachadoorian 1971

This map is preliminary and has not been reviewed for conformity with U.S. Geological Survey standards and nomenclature.