

- LEGEND**
- Mineral deposit, placer
 - ▲ Mineral deposit, lode
 - ▨ Coal deposit
 - ▩ Oil lease
 - Gas show
 - ✕ Gravel pit
 - △ Other
 - ③ Identification in quadrangle

EXPLANATION

UNCONSOLIDATED DEPOSITS			
Qas	Qco	Qsw	Qta
Alluvium	Colluvium	Swamp deposits	Talus
Qoa	Qsa	Qf	Qlf
Older alluvium	Silt, undifferentiated	Windblown silt	Lake sediments
Qsp	Qmp		
Terrace sand and gravels	Morainal complex		
Qhg			
High level gravels			
SEDIMENTARY ROCKS			
Qcs			
Conglomeratic sandstone			
IGNEOUS AND METAMORPHIC ROCKS			
Tertiary			
Qv			
Volcanics			
Qg	Qm	Qk	
Granitics	Mafic rocks, locally contains schist	Ultramafic	
UNCONFORMITY			
Qgs			
Schist, phyllite, gneiss, locally contains hornfels			

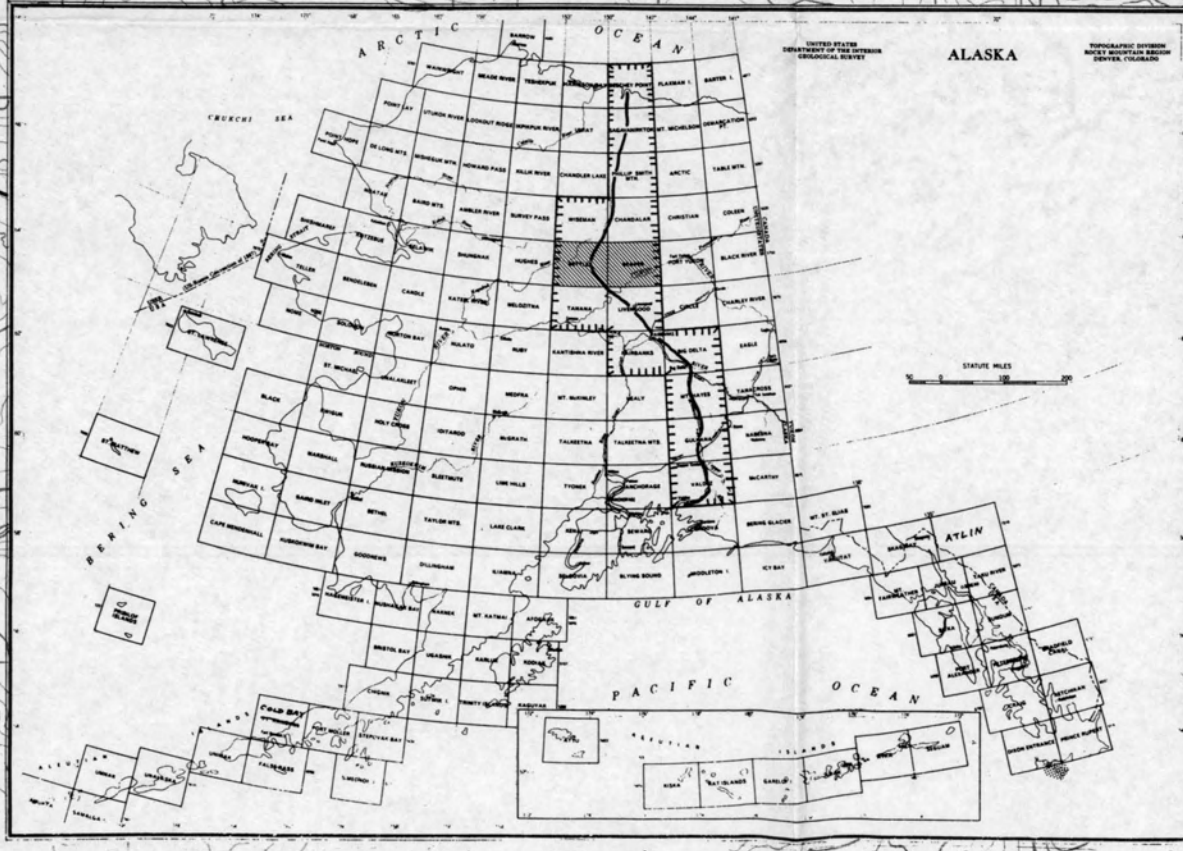
CONTACTS

- Contact
- - - - - Locally gradational and approximately located.
- · - · - · - Fault
- · - · - · - Dashed where approximately located; queried where doubtful; dotted where concealed.

PROPOSED TRANS-ALASKA PIPELINE ROUTE

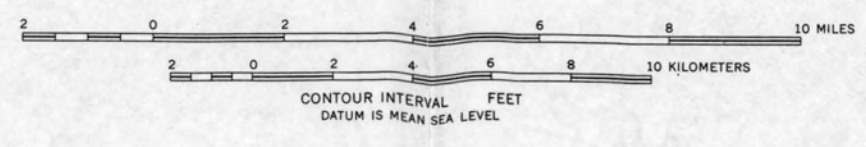
- - - - - Proposed trans-Alaska Pipeline Route approximately located.
- · - · - · - Data supplied by Alyeska Pipeline Service Company, December 1970, or earlier.

South Limit Probable Metallogenic Province



Geology by Reuben Kachadoorian, 1969 and 1970. Bedrock geology by W. W. Patton, Jr., 1967; W. W. Patton, Jr., and T. F. Miller, 1968 and 1970.

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



Bedrock units shaded.

FIGURE 4. - Preliminary engineering geologic maps of the proposed Trans-Alaska Pipeline route, Bettles and Beaver Quadrangles.