



EXPLANATION

UNCONSOLIDATED DEPOSITS

Qac	Qcr	Qsw	Qaf	Qas
Active flood plain	Colluvium, Swamp deposits	Alluvial fans	Fine-grained alluvium	river bluff type
Qc	Qgn			
Alluvial terraces	High-level alluvium			
Qwy	Qlc	Qgu		
Young moraine	Lacustrine deposits	Glacial & lacustrine deposits undifferentiated		

IGNEOUS ROCKS

gr	ma	gn
Granitic intrusive rocks	Mafic extrusive rocks	Greenstone

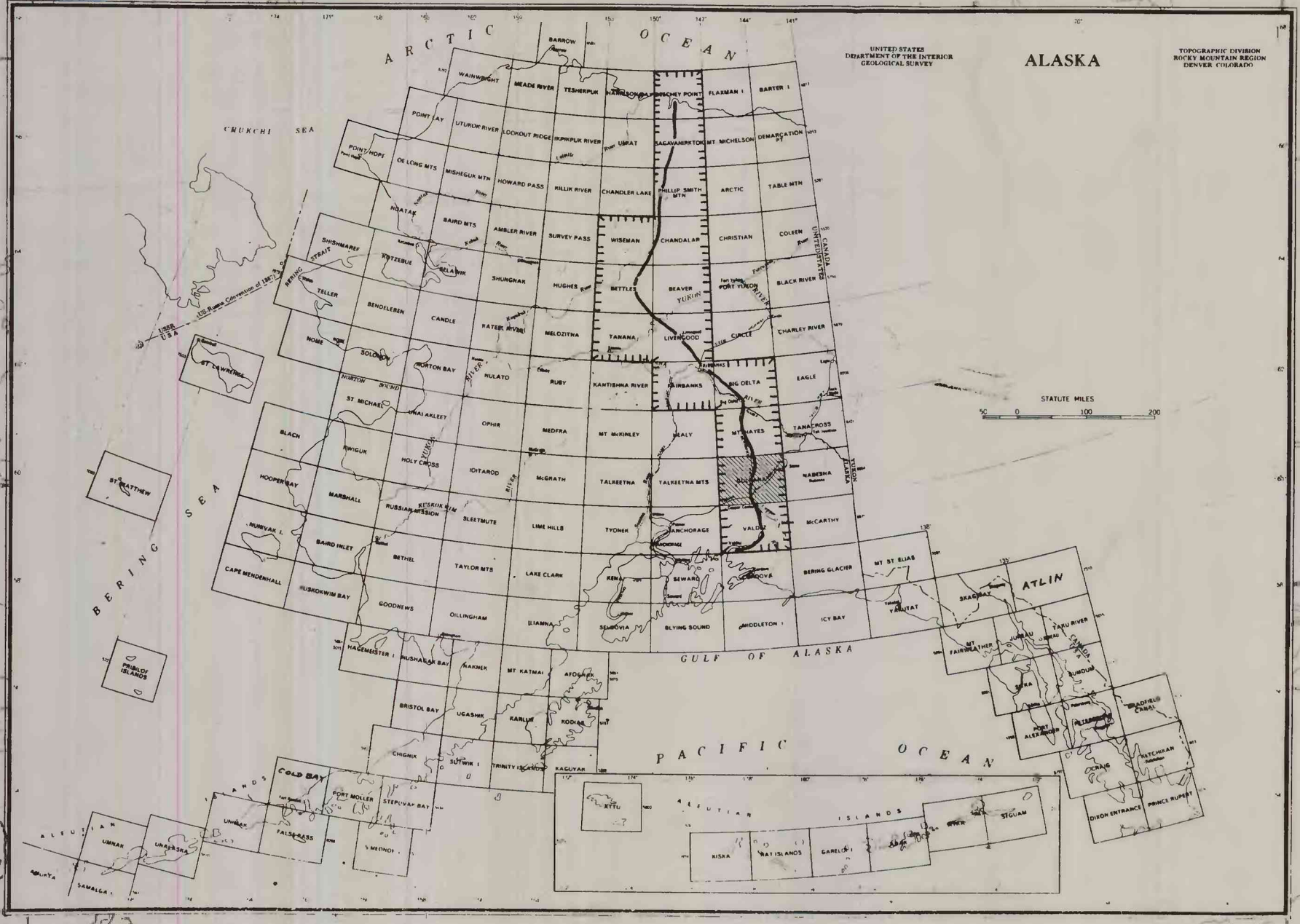
SYMBOLS

Contact (Locally gradational and approximately located)	Pipeline Route (Approximately located; based on information available prior to March 1971)
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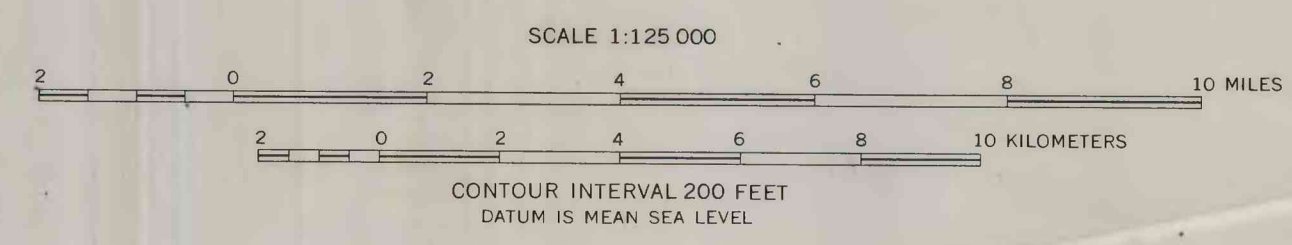
PRINCIPAL SOURCES OF INFORMATION

Ferrians, O. J., Jr., and Scholl, H. R., 1955-61, Unpublished field compilations; Nichols, D. R., and Yehle, L. A., 1969, U.S. Geol. Survey Misc. Geol. Inv. Map I-394.

Note: Lakes can be distinguished from geologic units by the absence of geologic symbols.



Base from U. S. Geological Survey 1:250,000 series, 1959



Bedrock units shaded.

PRELIMINARY ENGINEERING GEOLOGIC MAPS OF THE PROPOSED TRANS-ALASKA PIPELINE ROUTE, GULKANA QUADRANGLE

Compiled by Oscar J. Ferrians, Jr. 1971

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