DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

OPEN FILE MAP

MT. HAYES

SHEET 1 OF 2

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EXPLANATION

UNCONSOLIDATED DEPOSITS

QUATERNARY

HOLOCENE

- Qac — Active flood plain
- Qca — Colluvium
- Qsw — Swamp deposits
- Qrg — Rock glaciers
- Qaf — Alluvial fans
- Qmu — Unmodified moraine
- Qab — Abandoned flood plain

PLEISTOCENE

- Qmy — Young moraine
- Qgn — High-level alluvium
- Qmo — Old moraine

SEDIMENTARY ROCKS

- Ts — Tertiary sediments
- PzM — Paleozoic or Mesozoic sediments

IGNEOUS ROCKS

MESOZOIC

- gr — Granitic intrusive rocks
- me — Mafic extrusive rocks
- mi — Mafic and ultramafic intrusive rocks

METAMORPHIC ROCKS

- gn — Precambrian (possibly Paleozoic) gneissic rocks
- pCs — Precambrian (possibly Paleozoic) schist and related rocks

SYMBOLS

Contact (All contacts are approximately located)

U / D Faults (Direction of movement indicated if known; barbs on upthrown or overthrust side; dotted where concealed)

Pipeline Route (Approximately located; based on information available prior to March 1971)

PRINCIPAL SOURCES OF INFORMATION

Péwé, T. L., and Taylor, L. W., 1960, U.S. Dept. Army, Engineer Intelligence Study 264; Péwé, T. L., and Holmes, G. W., 1964, U.S. Geol. Survey Misc. Geol. Inv. Map I-394; Weber, F. R., 1970, Unpublished field compilations; Ferrians, O. J., Jr., 1960, Unpublished field compilations.

Note: Glaciers and lakes can be distinguished from geologic units by the absence of geologic symbols.

Base from U. S. Geological Survey 1:250,000 series, 1955

Bedrock units shaded.

SCALE 1:125 000

2 0 2 4 6 8 10 MILES

2 0 2 4 6 8 10 KILOMETERS

CONTOUR INTERVAL 200 FEET
DATUM IS MEAN SEA LEVEL

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PRELIMINARY ENGINEERING GEOLOGIC MAPS OF THE PROPOSED TRANS-ALASKA PIPELINE ROUTE, MT. HAYES QUADRANGLE

Compiled by Florence R. Weber 1971

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