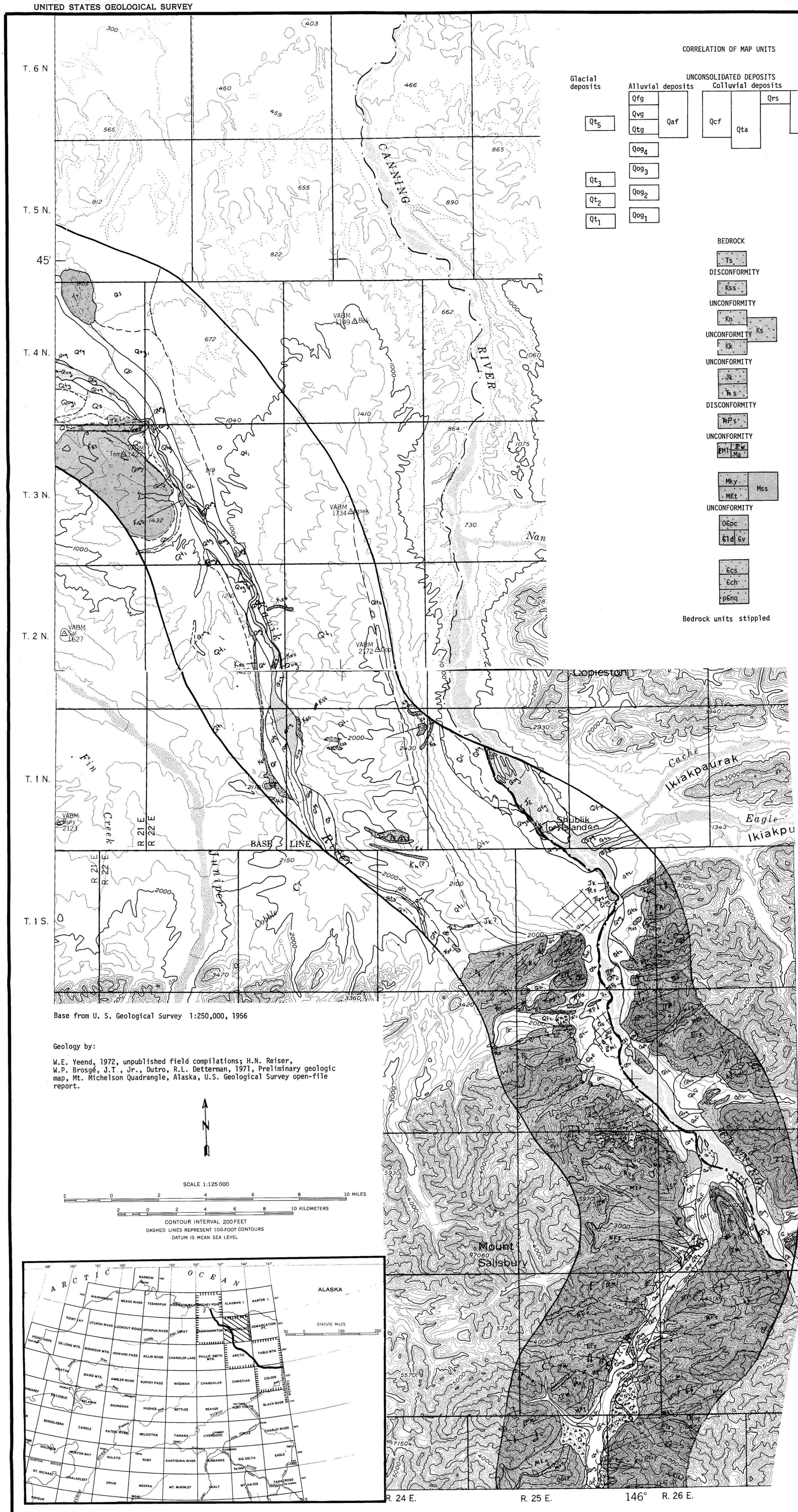


Base from U. S. Geological Survey 1:250,000, 1956

Geology by:

W.E. Yeend, 1972, unpublished field compilations; H.N. Reiser, W.P. Brosgé, J.T., Jr., Dutro, R.L. Detterman, 1971, Preliminary geologic map, Mt. Michelson Quadrangle, Alaska, U.S. Geological Survey open-file report.

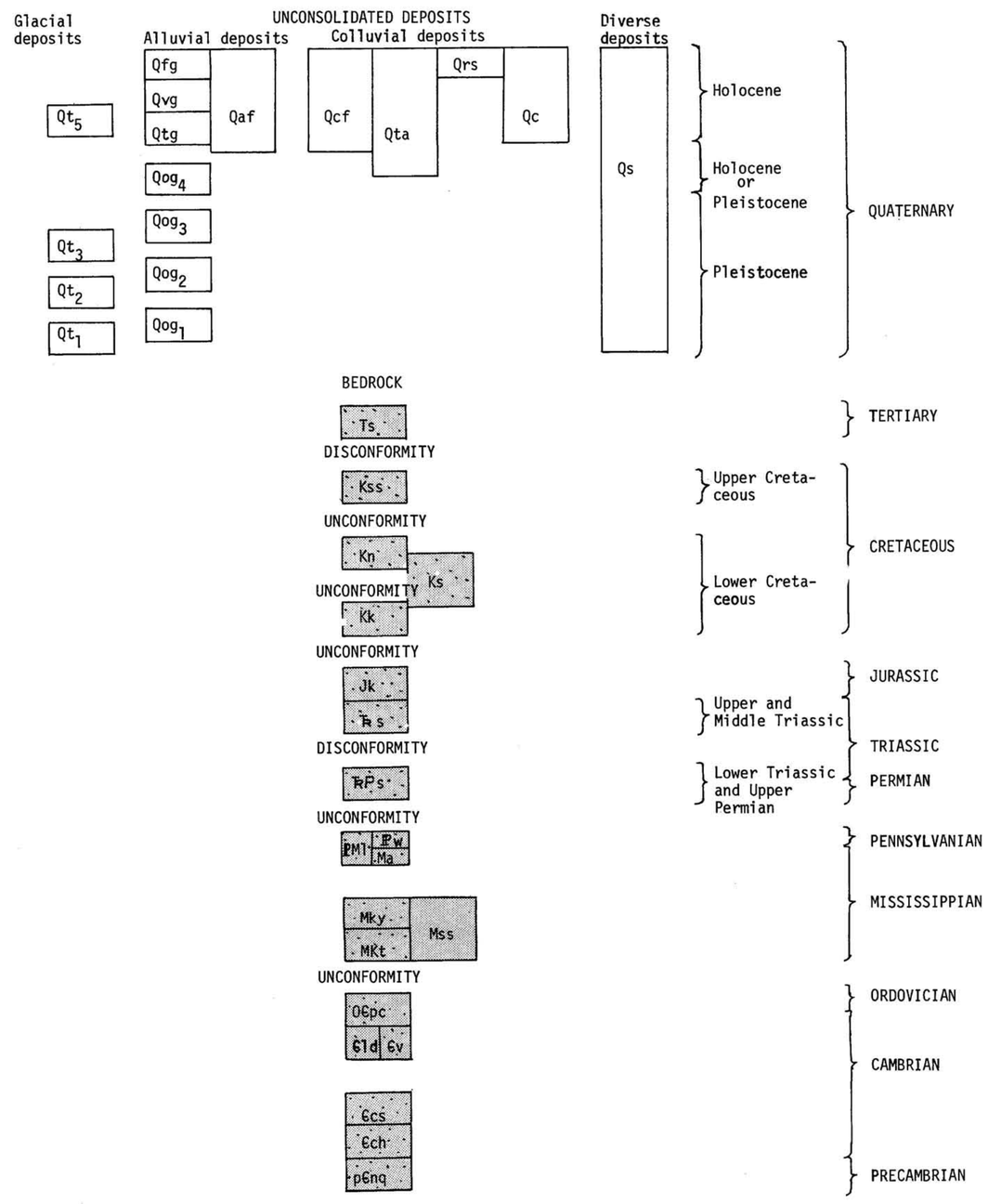
SCALE 1:125 000

2 0 2 4 6 8 10 MILES

2 0 2 4 6 8 10 KILOMETERS

CONTOUR INTERVAL 200 FEET
DASHED LINES REPRESENT 100-FOOT CONTOURS
DATUM IS MEAN SEA LEVEL

CORRELATION OF MAP UNITS



DESCRIPTION OF UNITS

UNCONSOLIDATED DEPOSITS

Qfg	Floodplain gravel
Qaf	Alluvial fan
Qcf	Colluvial fan
Qta	Talus
Qrs	Recent fan
Qc	Colluvium, undifferentiated
Qs	Sand and silt
Qvg	Vegetated gravel
Qt_5	Till, cirque
Qtg	Terrace gravel
Qog_4	Outwash gravel
Qog_3	Outwash gravel
Qt_3	Till
Qog_2	Outwash gravel
Qt_2	Till
Qog_1	Outwash gravel
Qt_1	Till

BEDROCK

Ts	Siltstone, sandstone, and conglomerate
Kss	Sandstone and shale
Kn	Nanushuk Group
Ks	Sedimentary rocks, undivided
Kk	Kemik Sandstone Member of Okpikruak Formation
Jk	Kingak Shale
Ꞧs	Shublik Formation
ꞦPs	Sadlerochit Formation
PMl	Lisburne Group
Pw	Wahoo Limestone
Ma	Alapah Limestone
Mss	Shale and sandstone
MKy	Kayak(?) Shale
MKt	Kekiktuk Conglomerate
	Neruokpuk Formation
O€cp	Chert and phyllite
€ld	Limestone and dolomite
€v	Flows, tuffs, and volcaniclastic rocks
€cs	Calcareous siltstone and sandstone
€ch	Chert and phyllite
p€nq	Quartz wacke and semischist

Contact, dashed where approximately located

Fault, U, upthrown side, D, downthrown side

Thrust fault, sawteeth on upper plate

Axis of anticline. Arrow shows direction of plunge

Overturned anticline

Overturned syncline

10°
Lineation, shows direction and amount of plunge

25 Inclined
30 Overturned
Strike and dip of beds
Arrow indicates attitude from distant view or aerial photographs

Hummocky moraine

Western boundary of National Wildlife Range

Ice wedge(?) Polygons visible at ground surface

For sale by U.S. Geological Survey, price $1.00 per set

PRELIMINARY GEOLOGIC MAP OF A PROSPECTIVE TRANSPORTATION ROUTE FROM PRUDHOE BAY, ALASKA, TO CANADIAN BORDER, PART 2, MT. MICHELSON QUADRANGLE, ALASKA

Compiled by
Warren Yeend
1973