

**EXPLANATION**

**Unconsolidated deposits**

Qac Alluvium and colluvium (includes some glacial material and terraces above present floodplains)

Qc Colluvium

Qg<sub>1</sub> through Qg<sub>5</sub> Glacial and glaciofluvial deposits (Subscripts 1 through 5 represent First through Fifth advances)

Approximate outer limits of glacial moraines (Best exposures indicate direction from which ice moved)

**Sedimentary and Metasedimentary rocks**

Ki Ignak Formation (Sandstone, shale, coaly shale)

Jk Kingak Formation (Black shale and siltstone)

Rs Shublik Formation (Limestone, shale, sandstone)

Psq quartzite member

Pss shale member

Psf ferruginous sandstone member

Ml Lisburne Group undivided (Wahoo(?) and Alapah Limestones)

Nk Kayak(?) Shale and Kekiktuk Conglomerate

Sc Schistose rocks (Kekiktuk Conglomerate and/or Neruokpuk Formation equivalents)

**Mafic and Granitic rocks**

ma Mafic rocks (includes volcanic(?) rocks along Wulashala River and dikes)

rgv, ryp, rvy, ryc Remnants of granites (quartz monzonite and granite; ryp, porphyritic facies; rvy, variable facies; ryc, coarse facies)

qm Quartz monzonite dikes (Age relative to mafic rocks uncertain)

**Miscellaneous units**

cm Contact metamorphic and metasomatic rocks (Tactite and hornfels)

Jago River

nkg, nkp, nkb, nkl nkg, quartzite unit (position relative to other units uncertain); nkp, phyllite-chert-limestone unit; nkb, brown-weathering quartzite unit; nkl, limestone unit

Estak Glacier (Relative positions of units uncertain)

nks<sub>1</sub>, nks, nkpq nks<sub>1</sub>, sandy limestone unit; nks, silicified carbonate unit; nkpq, phyllite-quartzite unit

Old Man Creek and Wulashala River

nks, nkpq nks, silicified carbonate unit; nkpq, phyllite-quartzite unit

**Contact** (Dashed where approximate, short dashed where inferred)

**Strike and dip of beds** (Includes generalized strike and dip component of moderately contorted beds)

**Fault** (Dashed where approximate, short dashed where inferred, dotted where concealed, U, upthrown side, D, downthrown side)

**Thrust fault** (T on upper plate)

**Anticline**, showing trace of axial plane and plunge of axis (Dashed where approximate, short dashed where inferred)

**Syncline**, showing trace of axial plane and plunge of axis (Dashed where approximate, short dashed where inferred)

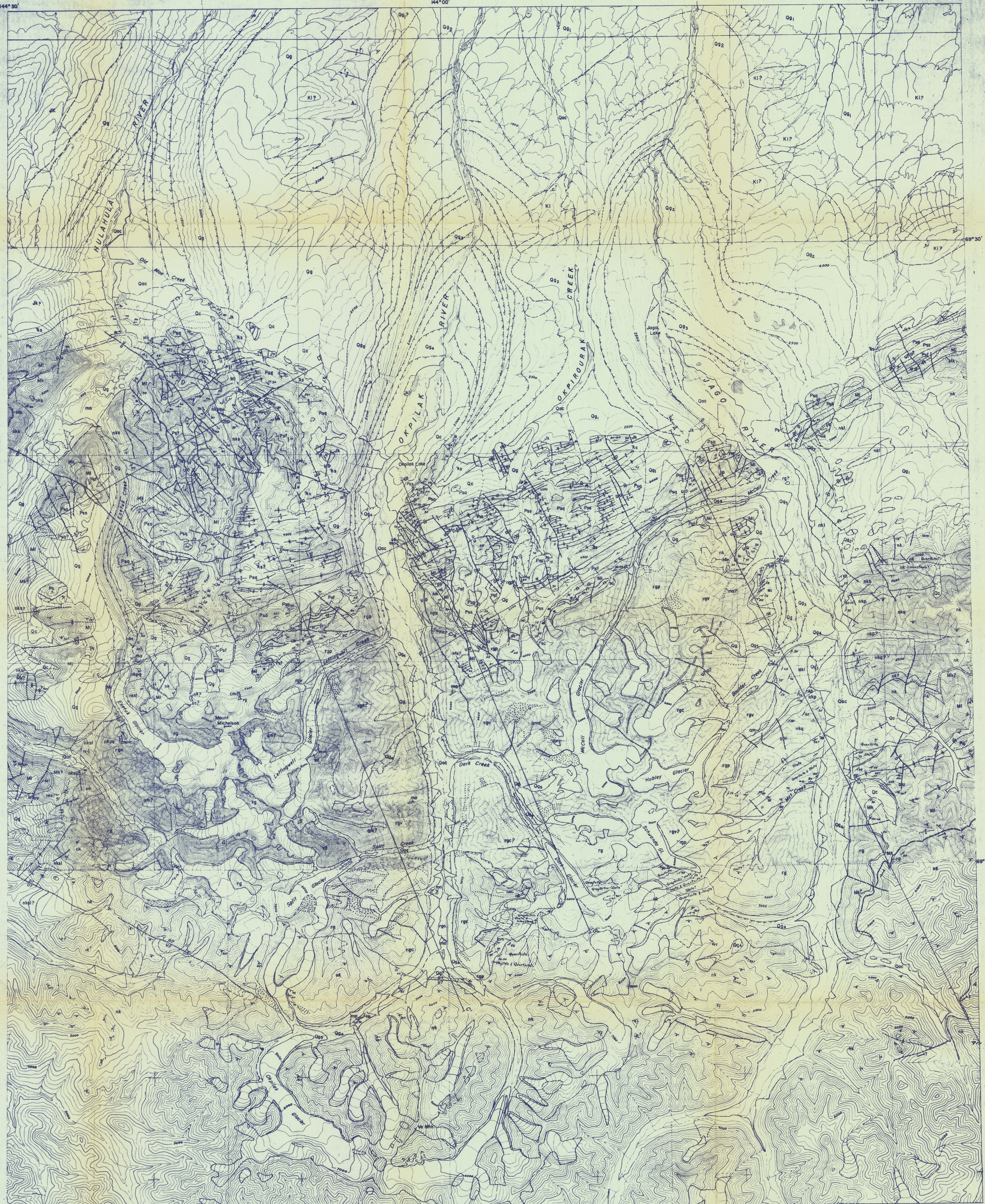
**Overturned or recumbent anticline**

**Overturned or recumbent syncline**

**Fold axes**, showing trace of axial planes

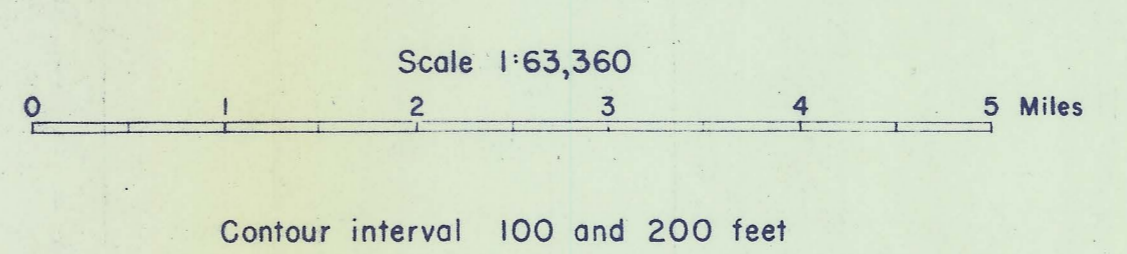
**Magnetic declination 1951**

**INDEX MAP**



Base compiled by U. S. Geological Survey

**GEOLOGIC MAP OF THE ROMANZOF MOUNTAINS, ALASKA**



Geology by E. G. Sable, R. S. Bunnell, and G. R. Kunkle, 1957-1958  
 Geology west of Wulashala River by C. L. Whittington, E. G. Sable, and A. H. Lachenbruch, 1948

Geologic map of the Romanzof Mountains  
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