

CANADA
DEPARTMENT OF
MINES AND TECHNICAL SURVEYS
GEOLOGICAL SURVEY OF CANADA

MAP 12-1956
TO ACCOMPANY PAPER 56-6

GEOLOGICAL SKETCH MAP
OF THE
NORTHERN RICHARDSON MOUNTAINS
YUKON TERRITORY AND NORTHWEST TERRITORIES

Approximate Scale: One Inch to Six Miles = $\frac{1}{380,160}$
Miles 6 4 2 0 6 12 18

LEGEND

- MESOZOIC**
- CRETACEOUS (mainly)**
8 Buff and grey, flaggy, friable sandstone, well indurated sandstone, soft, grey and black shale
- JURASSIC (?) AND CRETACEOUS UPPER JURASSIC (?) AND LOWER CRETACEOUS (mainly)**
7 Buff and grey sandstone, flaggy sandstone, glauconitic sandstone, grey and black shale, black argillite, concretions, pebble and cobble conglomerate
- PENNSYLVANIAN AND (?) PERMIAN**
5 Grey and mauve sandstone and siltstone, argillaceous siltstone, fucoidal siltstone. Base north of Rat River marked by red weathering conglomerate and breccia
- CARBONIFEROUS (?)**
4 Blue-grey limestone, cherty limestone, chert
- DEVONIAN**
UPPER DEVONIAN (mainly)
3 Mauve and brown sandstone, shale, grit, pebble conglomerate. Cobble conglomerate on Vitrekwá River possibly marks base
- ORDOVICIAN AND SILURIAN**
2 Grey and black shale, black siltstone and chert
- CAMBRIAN (?) AND (?) ORDOVICIAN**
1 Cream to buff and blue-grey limestone, quartzite, grey chert
- PALAEOZOIC**
- A** Low-grade metamorphic rocks of unknown age (Pre-Carboniferous?). Red, black, and green argillite and slate, black, glossy phyllite, colourless and purplish quartzite
- Geological boundary (assumed)
Limit of geological mapping
Bedding, measured (inclined, vertical)
Bedding, interpreted from air photographs (dip less than 30, dip 30-60, dip greater than 60)
Slaty cleavage (inclined)
Fault (defined, approximate, assumed)
Fault (solid circle indicates downthrow side)
Anticlinal axis (arrow indicates direction of plunge)
Synclinal axis (arrow indicates direction of plunge)
Fossil collection
Mineral occurrence (tungsten)

Geology by H. Gabrielse, 1955

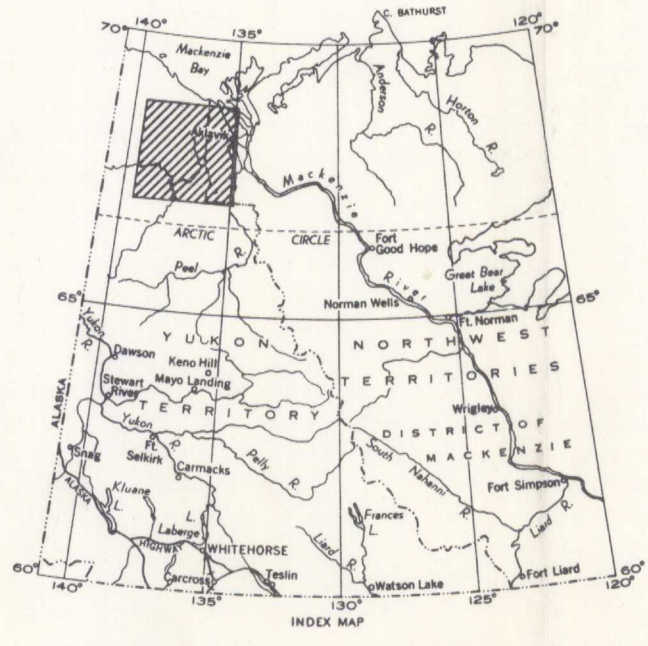
Approximate magnetic declination, 37°51' East

Cartography by the Geological Cartography Unit, 1957

Longitude and latitude positions are approximate

Air photographs covering this map-area may be obtained through the National Air Photographic Library, Topographical Survey, Ottawa, Ontario

Geographical names subject to revision



12-1956
C. 2
3401
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1950
G4
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