

LEGEND

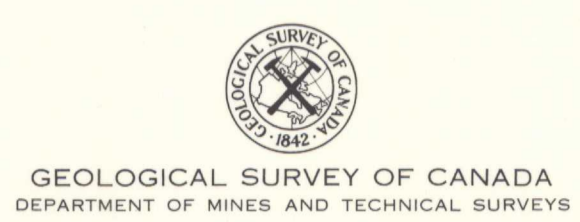
Note: Weighted legend blocks indicate map-units that appear on this map

- PLEISTOCENE AND RECENT**
- 36 Unconsolidated glacial and alluvial deposits
- MESOZOIC**
- CRETACEOUS (?)**
- 35 Quartz monzonite, granodiorite; minor granite and diorite; 35a, hornblende diorite; 35b, rusty weathering granodiorite
- DEVONIAN AND (?) MISSISSIPPIAN**
- 34 Black shale, locally pyritic; minor thin beds of black limestone; recessive weathering
- MIDDLE DEVONIAN**
- 33 NAHANNI FORMATION: resistant, fine- to medium-grained, light grey weathering limestone
 - 31 HEADLESS FORMATION: buff-brown, argillaceous, platy limestone; minor shale; highly fossiliferous; commonly recessive weathering; 31a, undivided 28, 30, and 31; includes light buff weathering calcareous slate and argillaceous limestone in lower part; 31b, undivided 30 and 31
 - 30 LANDRY FORMATION: crypto-grained to medium-grained grey limestone; commonly forms banded outcrops
 - 29 MANETOE FORMATION: coarse-grained cream and light grey dolomite; coarse-grained limestone; crypto-grained, laminated dolomite; 29a, includes crypto-grained to medium-grained, massive limestone in lower part
- MIDDLE DEVONIAN**
- 28 ARNICA FORMATION: medium and dark grey, banded dolomite; dolomite breccia; 28a, undivided 28 and 27
- LOWER DEVONIAN**
- 27 SOMBRE FORMATION: light and medium grey, banded dolomite; silver-grey dolomite; 27a, dark grey dolomite; 27b, may include some 28
- LOWER DEVONIAN (?)**
- 26 CAMSELL FORMATION: buff limestone breccia; interbedded grey and buff weathering dolomite and limestone
- SILURIAN AND DEVONIAN**
- 25 DELORE FORMATION: buff, grey, cinnamon weathering dolomite and limestone; locally limestone breccia in upper part may be correlative with 26; 25a, includes (?) 26
- ORDOVICIAN AND SILURIAN**
- UPPER ORDOVICIAN AND SILURIAN**
- 24 WHITTAKER FORMATION: dark grey dolomite, light grey limestone; commonly cherty; 24a may locally include 21 and 22
- ORDOVICIAN AND SILURIAN (Mainly)**
- 23 Black, pyritic shale, locally silty or phyllitic; thin-bedded, black, argillaceous limestone; grey and black chert; calcareous siltstone; black, cherty dolomite; 23a, hornfels; includes Devonian and (?) Mississippian
- ORDOVICIAN**
- MIDDLE AND (?) EARLY UPPER ORDOVICIAN**
- 22 Dark and light grey dolomite; pink, mottled limestone; orange-brown sandstone; 22a, vesicular mafic flow or flows; 22b, undivided 22 and 21; 22c, undivided 22 and 24; 22d, grey dolomite; 22e, buff, cream, grey dolomite and limestone; 22f, dark grey and black, cherty dolomite
- CAMBRIAN AND ORDOVICIAN**
- 21 Orange weathering, grey limestone; minor siltstone; 21a, undivided 21, 17, and 14
- CAMBRIAN AND/OR ORDOVICIAN**
- 20 20, undivided; 20a, grey, silty, argillaceous limestone; buff, calcareous slate; 20b, well-banded, buff limestone
- CAMBRIAN**
- LOWER, MIDDLE AND (?) UPPER CAMBRIAN**
- 19 Red, buff, yellow, and grey weathering dolomite, siltstone, sandstone, limestone
- MIDDLE AND (?) UPPER CAMBRIAN**
- 18 Wavy banded, silty limestone; platy impure limestone; siltstone; limestone; locally includes 16 and 20; 18a, may include 15; 18b, argillaceous limestone, calcareous shale
- LOWER AND/OR MIDDLE CAMBRIAN**
- 16 16a, bright yellow and orange weathering silty and sandy dolomite; grey limestone; 16b, silty and sandy dolomite; minor sandstone and shale
- LOWER CAMBRIAN**
- 15 15a, limestone, calcareous siltstone; 15b, sandstone, sandy and silty dolomite, dolomite, argillite; minor quartzite and impure limestone; 15c, dolomite and limestone; sandy dolomite and dolomitic sandstone; 15d, cherty calc-silicate rocks; may locally include metamorphosed 16 and 18; 15e, thin-bedded, dark brown to black pyritic argillite, calcareous shale; minor limestone
- CAMBRIAN (?)**
- 14 Brown and dark grey, shaly carbonate; locally orange weathering, recessive-weathering unit at base; may be in part correlative with 17b
- CAMBRIAN AND/OR EARLIER**
- 13 13a, white, pink, purple quartzite and sandstone; slate, calcareous sandstone; minor pebble conglomerate; 13b, crypto-grained, mottled, mauve, pink, banded limestone and dolomite, locally silty and sandy; minor quartzite and brick red to purple shale; 13c, deep blood red weathering, iron-flecked, grey to green, interbedded quartzite, siltstone, argillite; minor fine conglomerate; 13d, buff to red weathering, light grey dolomite
- CAMBRIAN AND/OR EARLIER**
- 12 12a, phyllite, slate, fine-grained quartzite, siltstone, argillite; 12b, agglomerate, conglomerate, tuff, vesicular volcanic rocks, green and maroon weathering; chlorite schist
 - 11 Dark shale and slate, gritty quartzite, calcarenite, quartz-pebble conglomerate; sandstone; maroon, green, and buff shale and slate; minor limestone and phyllite; 11a, rusty aureole of hornfels and slightly metamorphosed unit 11
- CAMBRIAN AND/OR EARLIER**
- 10 Orange and brown-orange weathering, platy, sandy carbonate
 - 9 Recessive weathering, dark grey shale and siltstone
 - 8 Orange weathering, dolomitic sandstone; sandy dolomite; includes mafic flow near top of unit east of Grizzly Bear Lake
 - 7 Mudstone; green and buff-brown siltstone; conglomeratic mudstone; conglomerate; maroon weathering siltstone, slate, iron-formation; undivided; 7a, maroon weathering siltstone, slate, conglomerate, iron-formation; 7b, includes siltstone, dolomite, and mafic volcanic rocks
- PROTEROZOIC**
- 6 Light grey weathering, dark grey, feldspathic limestone; black slate; buff, silty limestone; limestone conglomerate
 - 5 Pink silty siltstone; 5a, blocky, medium-grained gabbro
 - 4 Buff, grey dolomite, orange and buff-orange weathering, locally sandy and cherty; minor laminated buff and orange weathering siltstone; conglomerate; slate
 - 3 Well-bedded, grey, stromatolitic limestone, locally oolitic; light grey dolomite, in part cherty; minor slate; includes mafic sill or flow east of Keele River; 3a, mafic sill or flow; 3b, hornblende diorite
 - 2 White, pink, purple quartzite; grey, green, purple slate; minor brown weathering dolomite; 2a, includes 17c
 - 1 Grey, olive-green, purple shale, slate, phyllitic slate, quartzite; interbeds of orange dolomite

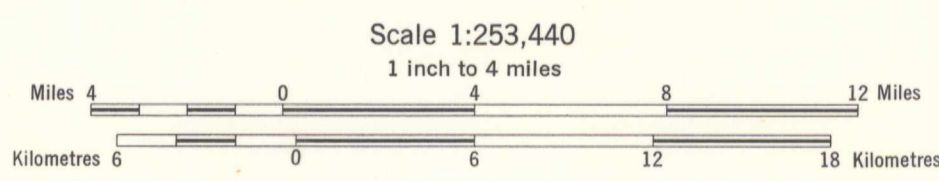
Mineral Symbols

- Copper Cu
- Lead Pb
- Silver Ag
- Tin Sn
- Tungsten W
- Zinc Zn

- Geological boundary (defined, approximate and assumed)
- Drift boundary
- Limit of geological mapping
- Bedding (horizontal, inclined, vertical, overturned)
- Foliation inclined, vertical)
- Plunge of lineation
- Fault (defined, approximate, assumed); solid circle indicates downthrow side
- Thrust fault (defined, approximate, assumed; arrow indicates direction of plunge)
- Anticline (defined, approximate) arrow indicates direction of plunge
- Syncline (defined, approximate) arrow indicates direction of plunge
- Anticline, syncline (overturned)
- Location of measured section
- Fossil locality
- Mineral prospect or occurrence Cu X
- Springs (hot, cold)



MAP 36-1964
PAPER 64-52
GEOLOGY
GLACIER LAKE
DISTRICT OF MACKENZIE

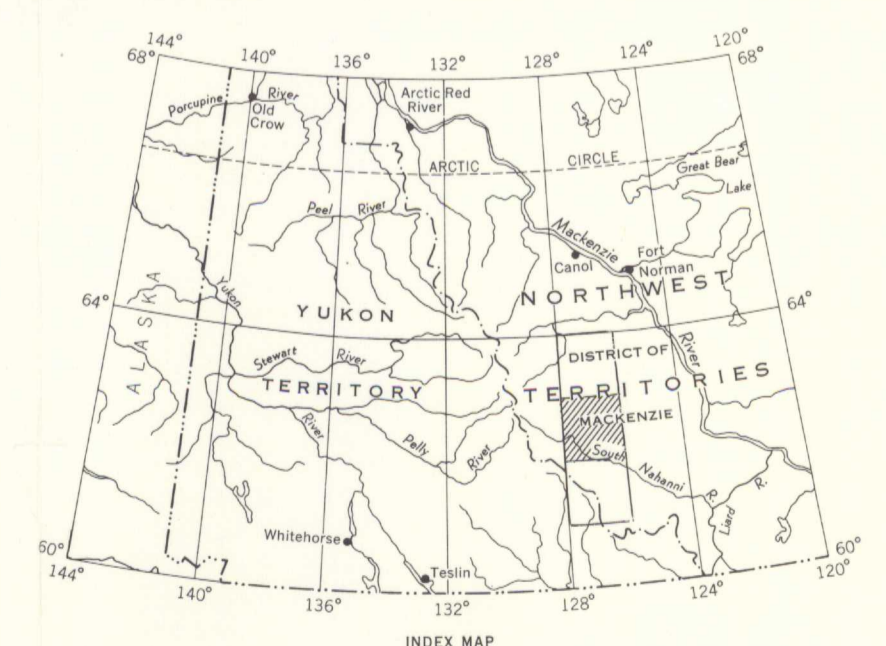


Mean magnetic declination, 34° 58' East, decreasing 4.6' annually. Readings vary from 34° 20' in the SE corner to 35° 35' in the NW corner of the map-area

ESIC CIST
OCT 8 1966
Earth Sciences - Secteur des sciences
Secteur de la Terre

- Intermittent stream
- Marsh
- Glacier
- Contours (interval 500 feet)
- Height in feet above mean sea-level

Base-map compiled and drawn by the Army Survey Establishment, R. C. E., 1958-1960



OCT 13 1965
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