

PRELIMINARY SERIES

SECTIONS ALONG LINES A-B, C-D

SHEET 95 O

LEGEND

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

- MESOZOIC CENOZOIC**
- PLEISTOCENE AND RECENT**
    - 28 Alluvial sands, silts and muds of Mackenzie River
  - CRETACEOUS**
    - 27 Shale and sandstone
- DEVONIAN**
- UPPER DEVONIAN**
- 26 Shale, grey, green, red; siltstone and sandstone, fine-grained, greenish grey; limestone, fossiliferous
  - 25 Limestone, massive-bedded, reefy
  - 24 Sandstone, calcareous, fine-grained, greenish grey; shale, grey and greenish grey
  - 23 FORT SIMPSON FORMATION: shale and mudstone, grey; siltstone and sandstone (may include HORN RIVER FORMATION)
- MIDDLE DEVONIAN**
- 22 HORN RIVER FORMATION: shale, black, pyritic, sulphur-stained
  - 21 NAHANNI FORMATION: limestone, fine- to coarse-grained, grey, medium- to thick-bedded (may include HEADLESS FORMATION)
  - 20 HEADLESS FORMATION: limestone, argillaceous, grey
- DEVONIAN OR OLDER**
- 19 FUNERAL FORMATION: limestone, argillaceous, fine-grained (equivalent to parts of 15, 16, 17 and 18)
  - 18 LANDRY FORMATION: limestone, cryptocrystalline, grey
  - 17 MANTOE FORMATION: dolomite, coarse-grained, grey, porous (equivalent to parts of 16, 18 and 19)
  - 16 BEAR ROCK FORMATION: massive brecciated dolomite and limestone; anhydrite (equivalent to 15, 17, 18 and 19)
  - 15 ARNICA FORMATION: dolomite, crypto- to fine-grained, banded grey and dark grey
- DEVONIAN OR OLDER**
- 14 SOMBRE FORMATION: dolomite, crypto- to fine-grained, banded grey and light grey
  - 13 CAMSELL FORMATION: massive breccia, cryptocrystalline grey limestone; yellow and orange weathering
- ORDOVICIAN AND YOUNGER**
- 12 Dolomite, fine- to medium-grained, silty (may be equivalent to 11)
  - 11 DELORME FORMATION: limestone and dolomitic limestone, fine-grained, grey, buff weathering
  - 10 WHITTAKER FORMATION: dolomite, fine- to medium-grained, grey (may include equivalents of 8 and 9)
  - 9 MOUNT KINDLE FORMATION: dolomite, fine- to medium-grained, grey, porous
  - 8 FRANKLIN MOUNTAIN FORMATION: dolomite, fine-grained, grey to brown
- ORDOVICIAN? OR OLDER**
- 7 Dolomite, silty and sandy, fine-grained, pink to grey, reddish buff weathering
- CAMBRIAN**
- 6 MOUNT CAP AND SALINE RIVER FORMATIONS: shale, green, red and buff; salt and gypsum
  - 5 MOUNT CLARK FORMATION: sandstone, fine-grained, white, crossbedded
- PROTEROZOIC**
- 4 LONE LAND FORMATION: sandstone, fine-grained, hematitic; conglomerate; mudstone
  - 3 Shale, dusky red and olive green; siltstone and sandstone
  - 2 Shale, dusky red; siltstone, thinly bedded
  - 1 Sandstone, fine-grained, green; siltstone; dolomite, cryptocrystalline, green and brown; shale, dusky red and green

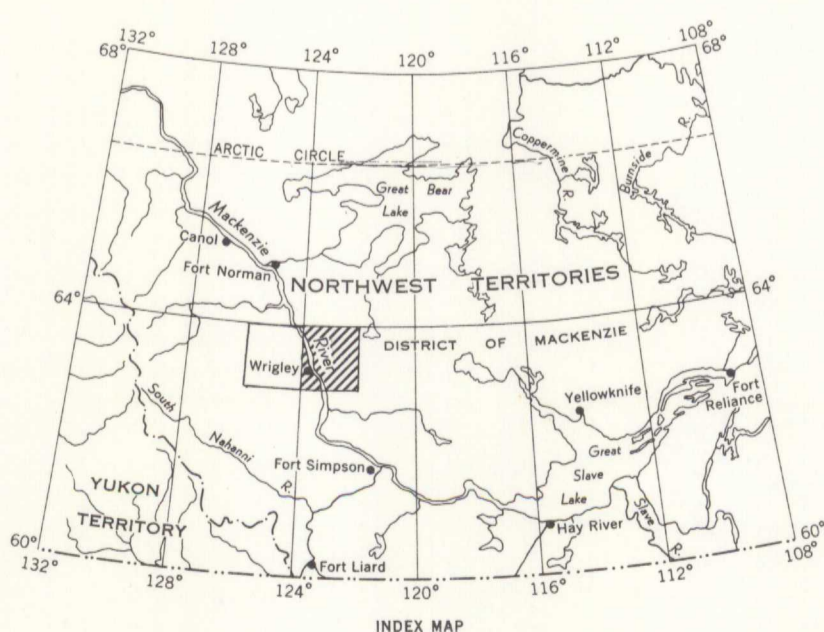
- Rock outcrop . . . . . x
- Geological boundary (approximate and assumed, uncontrolled) . . . . .
- Limit of geological mapping (Wrigley only) . . . . .
- Bedding, measured (horizontal, inclined, vertical) . . . . . + / \
- Bedding, estimated (horizontal, inclined, vertical) . . . . . + / \
- Fault (approximate, assumed, arrow indicates direction of dip) . . . . .
- Fault (downthrown side indicated) . . . . .
- Lineament or small fault . . . . .
- Anticline, plunging . . . . .
- Syncline, plunging . . . . .
- Location of measured stratigraphic sections . . . . .

Geology by W. B. Brady, R. J. W. Douglas, P. Harker, D. J. McLaren, A. W. Norris, D. K. Norris, B. R. Pelletier, D. F. Stott, 1957

Compiled by R. J. W. Douglas and D. K. Norris, 1961

Cartography by the Geological Survey of Canada, 1962

Mean magnetic declination, 36° 50' East, decreasing 5.5' annually. Readings vary from 35° 49' E in the SE corner to 37° 34' E in the NW corner of the map-area



MAP 45-1962  
TO ACCOMPANY PAPER 62-33  
**GEOLOGY**  
**WRIGLEY**  
DISTRICT OF MACKENZIE

Scale: One Inch to Four Miles =  $\frac{1}{253,440}$  Miles

4 2 0 4 8 12

- LEGEND
- Winter road . . . . .
  - Cut line . . . . .
  - Post Office . . . . . P
  - Intermittent stream . . . . .
  - Marsh . . . . .
  - Contours (interval 100 feet) . . . . .
  - Height in feet above mean sea-level . . . . . 4385

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Base-map by the Army Survey Establishment, R. C. E., Dept. of National Defence-1952-59  
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MAP 45-1962  
WRIGLEY  
DISTRICT OF MACKENZIE  
SHEET 95 O

612 CAG C

G  
3401  
05  
1956  
24  
45-1962  
C.2  
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