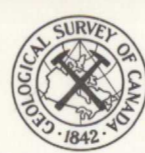
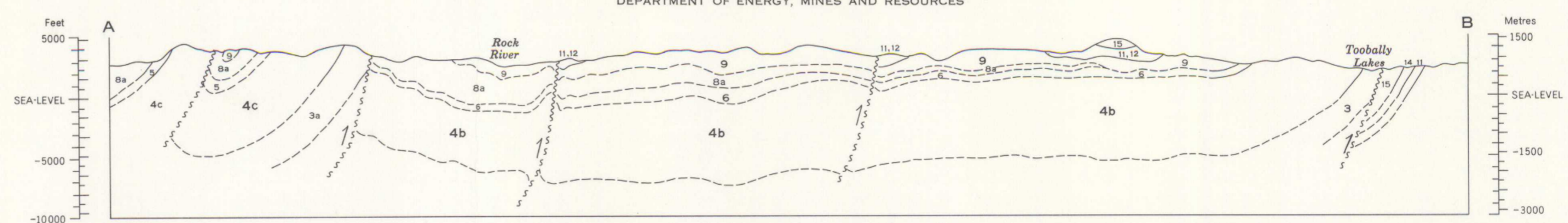


11-1968

G
3401
.C5
1956
G4
omvsc



GEOLOGICAL SURVEY OF CANADA
DEPARTMENT OF ENERGY, MINES AND RESOURCES



Diagrammatic section along line A-B
Vertical scale approximately 1 inch to 2 miles

LEGEND

- PLEISTOCENE AND RECENT**
- 17 Unconsolidated glacial and alluvial deposits
- CRETACEOUS (?)**
- 16 Biotite-hornblende granodiorite, quartz monzonite, porphyritic hornblende-quartz diorite
- CARBONIFEROUS**
- 15 MATTSON FORMATION: grey, massive, even-grained sandstone; interbedded sandstone and dark grey shale; 15a, black slate and argillite, ribbon-banded black cherty argillite and porcellanite, bright green argillite
- DEVONIAN AND MISSISSIPPIAN**
- MIDDLE AND UPPER DEVONIAN AND MISSISSIPPIAN
- 14 BESA RIVER FORMATION: black shale and argillite; brown and green shale and argillite; cherty argillite
- SILURIAN AND DEVONIAN**
- SILURIAN, LOWER AND MIDDLE DEVONIAN (COUVINIAN)
- 13 Well-bedded, laminated grey dolomite; black, fetid dolomite; dolomite breccia; 13a, fine-grained, grey limestone; well-bedded dolomite; dolomite breccia; coarse-grained, vuggy, bioclastic dolomite; locally includes 12
- SILURIAN**
- LOWER SILURIAN
- 12 NONDA FORMATION: black, fetid dolomite, in part cherty; grey dolomite; basal dolomitic siltstone and sandstone
- ORDOVICIAN, SILURIAN, AND DEVONIAN**
- UPPER ORDOVICIAN (?) SILURIAN AND LOWER DEVONIAN
- 11 ROAD RIVER FORMATION: black shale and siltstone; thin-bedded, black, argillaceous limestone; grey and black chert
- ORDOVICIAN**
- MIDDLE AND/OR UPPER ORDOVICIAN
- 10 Well-bedded siltstone, sandstone, dolomite and shale; may include 9
- MIDDLE ORDOVICIAN**
- 9 SUNBLOOD FORMATION: dark and light grey dolomite; pink, mottled limestone, in part silty; 9a, massive, green, amygdaloidal volcanics
- CAMBRIAN AND ORDOVICIAN**
- MIDDLE (?) AND UPPER CAMBRIAN AND LOWER ORDOVICIAN
- 8 Wavy banded, silty limestone; argillaceous limestone; 8a, calcareous phyllite and phyllitic limestone
- CAMBRIAN**
- LOWER CAMBRIAN
- 7 Vesicular, blocky, green volcanic flows and breccias
- 6 Buff, orange and grey weathering dolomite; sandy dolomite; dolomitic sandstone
- 5 Grey, fine-grained, fossiliferous, silty limestone; argillaceous limestone; white, crypto-grained limestone; brown and grey siltstone and calcareous siltstone; minor white and brown, fine-grained sandstone in upper part; includes map-unit 6 west of Rock River
- 4 4a, purple, maroon, white, and cream, locally feldspathic, quartzitic sandstone; maroon, tan, grey, and green, platy siltstone and shale; 4b, varicoloured quartzitic sandstone; arkosic, gritty sandstone; silty dolomite; dolomite; bioclastic limestone; feldspar-quartz-pebble conglomerate; 4c, dull grey and green siltstone, argillite, and phyllite; minor gritty sandstone and conglomeratic sandstone
- HADRYNIAN AND/OR LOWER CAMBRIAN**
- 3 Vesicular and amygdaloidal, blocky, green, purple, volcanic flows and breccias; minor buff dolomite; 3a, amygdaloidal, green volcanic rocks; 3b, maroon shale
- 2 2a, phyllite, slate, fine-grained quartzite, siltstone, argillite; 2b, laminated dark grey slate and argillite; 2c, platy, black, argillaceous limestone, grey slate; 2d, limestone; locally includes fine-grained biotite schist
- HADRYNIAN**
- 1 Dark shale, slate, and siltstone; gritty quartzite, limestone, quartz-pebble and feldspar-quartz-pebble conglomerate, sandstone; maroon, green, and buff shale and slate; phyllite; may locally include 2; 1a, crystalline limestone, may be in part Lower Cambrian; 1b, garnet-staurolite-biotite-muscovite schist

- Limit of drift-covered areas
- Geological boundary (defined, approximate or assumed)
- Bedding (horizontal, inclined, vertical, overturned)
- Foliation (inclined, vertical)
- Lineation (arrow indicates plunge)
- Fault (defined, approximate - assumed)
- Anticline (defined or approximate, arrow indicates plunge)
- Syncline (defined or approximate, arrow indicates plunge)
- Syncline (overturned)
- Drumlinoid ridges
- Glacial striae
- Fossil locality
- Mineral locality or prospect
- Spring (cold)

MINERALS

Barite ba Silver Ag
Copper Cu Zinc Zn
Lead Pb

Geology by E.F. Roots, 1953, H. Gabrielse, 1965-1967,
S.L. Blusson, 1966, 1967

To accompany Paper 68-38 by H. Gabrielse and S.L. Blusson

Geological cartography by the Geological Survey of Canada, 1969



Base-map compiled and drawn by the Army Survey Establishment, R.C.E. 1948-50

Magnetic declination 1968 varies from 32°03' easterly at center of west edge to 32°08' easterly at center of east edge. Mean annual change -5.4'

All elevations in feet above mean sea-level



ESIC CIST
OCT 8 1996
Earth Sciences Secteur des sciences
Sector de la Terre

MAP 11-1968
PAPER 68-38
GEOLOGY
COAL RIVER
YUKON TERRITORY - DISTRICT OF MACKENZIE

