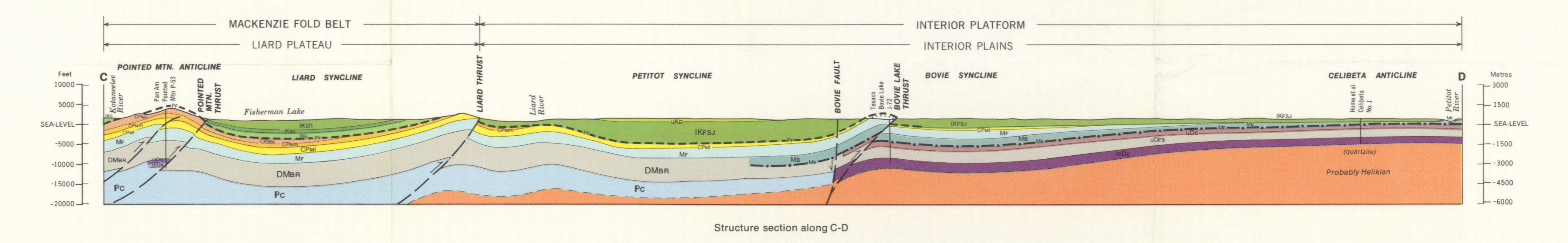
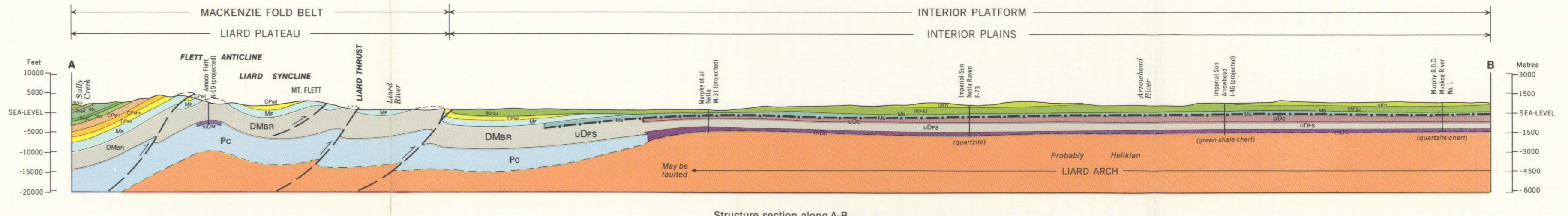


LEGEND

- CENOZOIC**
- QUATERNARY**
    - Qal Alluvial sands and silts of Laird River
  - CRETACEOUS**
    - UPPER CRETACEOUS**
      - uKw WAPITI FORMATION: banded feldspathic sandstone; coal
      - uKk KOTANELEE FORMATION: dark grey concretionary shale; mudstone; grey sandstone
      - uKd DUNVEGAN FORMATION: carbonaceous sandstone and pebble conglomerate; dark grey shale; siltstone
    - LOWER CRETACEOUS**
      - IKFSJ FORT ST. JOHN GROUP: (includes IKg to IKsu)
      - IKFSU FORT ST. JOHN GROUP, undivided: shale, siltstone
      - IKSU SULLY FORMATION: dark grey, concretionary shale, gypsiferous in part
      - IKSk SIKANNI FORMATION: greenish grey sandstone, siltstone, shale
      - IKs Sandstone, greenish grey; siltstone; shale
      - IKL LEPINE FORMATION: concretionary and rusty weathering shale
      - IKsh Shale, concretionary, gypsiferous and rusty weathering (equivalent to LEPINE and SULLY FORMATIONS)
      - IKSc SCATTER FORMATION: sandstone, greenish grey; siltstone
      - IKg GARBUTT FORMATION: shale, grey, concretionary and rusty weathering; basal pebble conglomerate and grey sandstone
  - MESOZOIC**
    - PERMIAN**
      - PF FANTASQUE FORMATION: grey, banded chert; grey sandstone; mudstone (pattern in structure sections)
    - CARBONIFEROUS AND PERMIAN**
      - MATTSON FORMATION:
        - CPMu Upper part: grey sandstone; limestone; shale
        - CPMm Middle part: massive bedded, grey to brown sandstone
        - CPMl Lower part: thinly bedded grey sandstone; shale; coal
    - MISSISSIPPIAN**
      - Mf FLETT FORMATION: grey limestone; shale
      - Mc CLAUSEN FORMATION: black shale
      - My YOHIN FORMATION: sandstone
    - DEVONIAN AND MISSISSIPPIAN**
      - DmBr BESA RIVER FORMATION: dark grey shale; siltstone
    - DEVONIAN**
      - UPPER DEVONIAN**
        - uDc Undivided TROUT RIVER, TETCHO AND KOTCHO FORMATIONS (in structure sections only)
        - uDfs FORT SIMPSON FORMATION: shale (in structure sections only)
      - MIDDLE DEVONIAN**
        - mDm MANETOE FORMATION: dolomite, coarsely crystalline, veggy
        - mDA ARNICA FORMATION: dolomite, finely crystalline
        - mDc Undivided ARNICA, MANETOE, LANDRY, HEADLESS, NAHANNI, CHINCHAGA, PINE POINT, SULPHUR POINT and HORN RIVER FORMATIONS (in structure sections only)
      - MIDDLE DEVONIAN AND OLDER**
        - Pc Undivided carbonate formations (in structure sections only)



- Rock outcrop** ..... x
- Geological boundary (approximate, assumed)** ..... - - - - -
- Bedding, measured (horizontal, inclined, vertical)** ..... / / /
- Bedding estimated (horizontal, inclined, vertical)** ..... / / /
- Fault** ..... - - - - -
- Normal fault (hachures on hanging wall)** ..... / / /
- Thrust, reverse fault (teeth on hanging wall)** ..... / / /
- Anticline (arrow indicates plunge)** ..... / / /
- Syncline (arrow indicates plunge)** ..... / / /
- Location of measured section** ..... x
- Well: gas, abandoned** ..... x

Geology by W. B. Brady, R. J. W. Douglas, P. Harker, D. K. Norris, D. F. Stott, 1957; C. O. Hage, 1945; D. F. Stott, 1972

Compilation by R. J. W. Douglas and D. K. Norris, 1959, 1974

Geological cartography by G. W. Fouchard Geological Survey of Canada

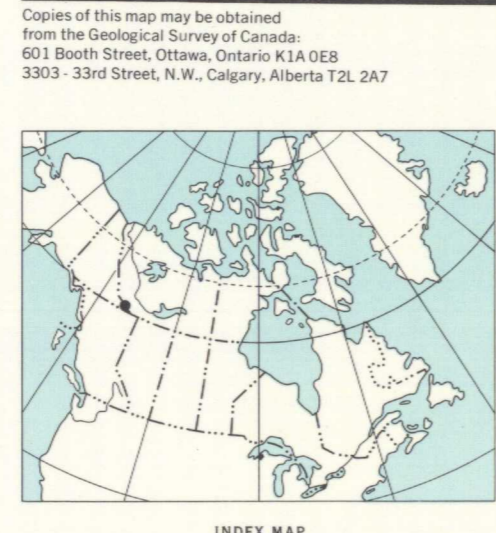
Any revisions or additional geological information known to the user would be welcomed by the Geological Survey of Canada

Base-map at the same scale published by the Army Survey Establishment in 1952-58

Copies of the topographical edition of this map may be obtained from the Canada Map Office, Department of Energy, Mines and Resources, Ottawa

Magnetic declination 1975 varies from 32°20' easterly at centre of west edge to 32°08' easterly at centre of east edge. Mean annual change 5.6' westerly

Elevations in feet above mean sea-level



MAP 1379A  
GEOLOGY  
**FORT LIARD**  
DISTRICT OF MACKENZIE  
Scale 1:250,000

Kilometres 6 0 6 12 18 Kilometres  
Miles 4 0 4 8 Miles

Universal Transverse Mercator Projection  
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