



GEOLOGICAL SURVEY OF CANADA
DEPARTMENT OF ENERGY, MINES AND RESOURCES

LEGEND

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

PRELIMINARY SERIES

- QUATERNARY**
 - Q Glacial till, outwash, alluvium, etc.; mapped only where deposits are thick and continuous
 - Qm Thick moraine deposits forming prominent topography (Amundsen and Great Bear lobe moraines)
- TERTIARY and/or QUATERNARY**
 - Tb BEAUFORT FORMATION (?): unconsolidated gravel and sand; quartzite, dolomite and black chert pebbles; wood fragments
- CRETACEOUS**
 - UPPER CRETACEOUS**
 - Kps "Pale shale zone": pale grey shale and mudstone; grey brown ferruginous shale; minor ironstone concretionary beds
 - Kbt "Bituminous zone": black bituminous shale; yellow jarosite; local earthy hematite; pale grey clay; local basal ironstone-pebble and shale-chip conglomerate
 - LOWER CRETACEOUS**
 - Kb "Bentonitic zone": black, soft, plastic shale; fossiliferous orange ironstone concretionary beds
 - Ks "Silty zone": upper division - argillaceous siltstone and mudstone; lower division - light grey friable sandstone and coal
- DEVONIAN**
 - UPPER DEVONIAN**
 - DI2 IMPERIAL FORMATION: shale, brown, greenish grey, generally fissile; subordinate sandstone, brown, impure, very fine grained; minor siltstone
 - DI1 Basal unit; shale, brown, fissile, with siltstone laminae and clay ironstone concretions

- Rock outcrop
- Rock outcrop visited by helicopter
- Geological boundary (defined, approximate, assumed; includes contacts extended by air photo interpretation)
- Limit of thick continuous Quaternary cover
- Fossil locality (GSC catalogue number where collection taken)
- Stratigraphic section studied
- Abandoned well

Stratigraphic Section References

C. J. Yorath YB-21 T. P. Chamney CR-58

Geology by C. J. Yorath, H. R. Balkwill, T. P. Chamney, 1968

Compiled by C. J. Yorath, H. R. Balkwill, 1969

To accompany GSC Paper 69-9, by C. J. Yorath, H. R. Balkwill

Abandoned Well Names

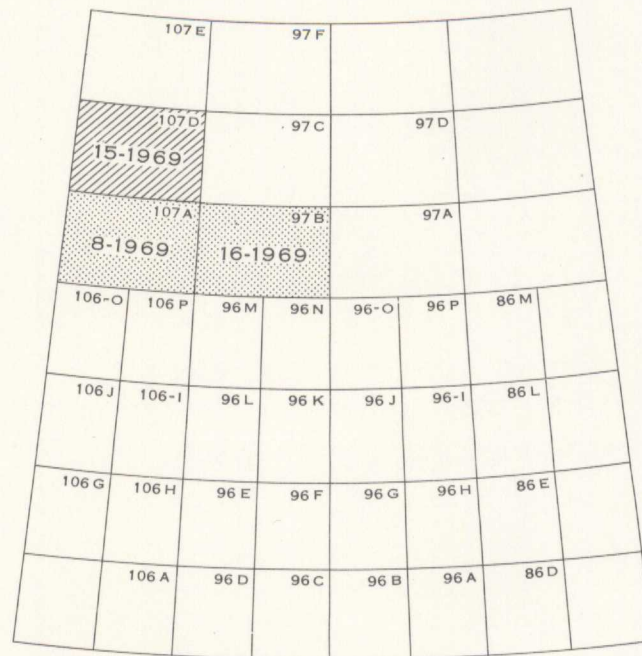
Texcan C & E Nicholson G-56 1
Texcan C & E Nicholson N-45 2

Geological cartography by the Institute of Sedimentary and Petroleum Geology, Geological Survey of Canada

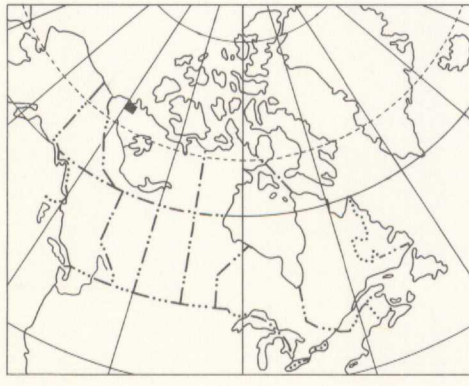
Topographic base-map at the same scale published by the Army Survey Establishment, R. C. E., 1964

Magnetic declination 1970 varies from 40° 46' easterly at centre of west edge to 42° 22' easterly at centre of east edge. Mean annual change 7.2' westerly

Elevations in feet above mean sea-level



National Topographical System designations indicate other quadrangles mapped geologically during Operation Norman



G
3401
.C5
1956
G4
omvfc

15-1969



MAP 15-1969
PAPER 69-9
GEOLOGY
STANTON
DISTRICT OF MACKENZIE
Scale 1:250,000

ESIC CIST
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Earth Sciences / Secteur des sciences de la Terre

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MAP 15-1969
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