

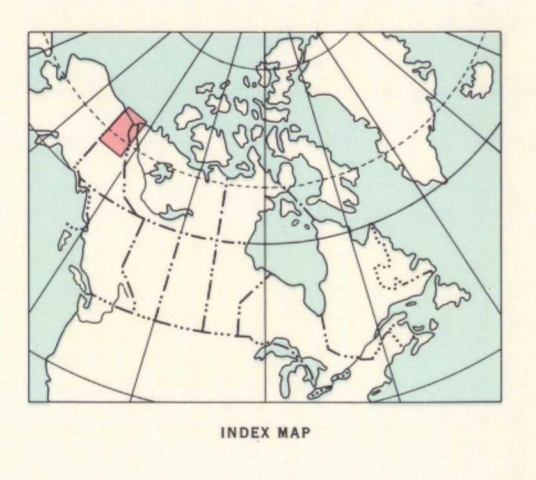
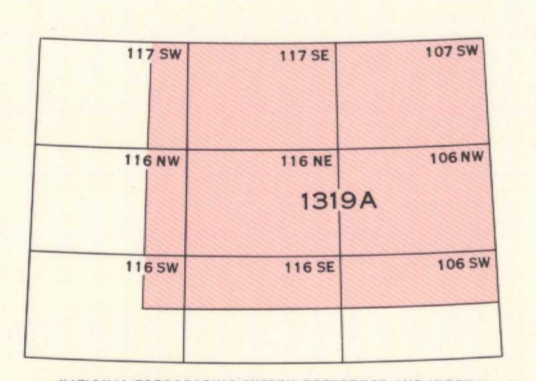
GEOLOGICAL SURVEY OF CANADA
Department of Indian Affairs and Northern Development

LEGEND

- Qm1 Alluvium or ridge moraine in area of Laurentide glaciation (limited down to include more subdued topography west of 138°W. Long J. glacial till in part with cover of all and/or organic deposits. Locally deposits west of 138°W. Long J. glacial till in part with cover of all and/or organic deposits having thick cover of all and/or organic deposits)
- Qm2 Alluvium or ridge moraine in area of Laurentide glaciation (limited down to include more subdued topography west of 138°W. Long J. glacial till in part with cover of all and/or organic deposits)
- Qz1 Glaciofluvial deposits, sand and gravel, in part with cover of all and/or organic deposits
- Q10 Fluvial deposits of modern floodplains and low terraces, includes deposits of modern Mackenzie Delta, silt, sand, gravel, in part with cover of organic deposits
- Q11 Fluvial deposits of fans and fan aprons, silt, sand, gravel, in part with cover of organic deposits
- Q12 Fluvial deposits of terraces, in part arbitrarily distinguished from Q10, silt, sand, gravel, in part with cover of organic deposits
- Q1 Lacustrine deposits and minor fluvial deposits, silt, sand, gravel, in part with cover of organic deposits
- Qe Marine and estuarine deposits, mainly silt, sand, includes gravel of certain aprons and fan aprons
- B Pediment surfaces, bedrock, gravel, mostly with thin cover of colluvium and/or organic deposits
- A Bedrock, differentiated in vicinity of Campbell Lake (southeast of Inuvik) only

- Geological boundary (defined, approximate)
- Moraine ridge of valley glacier, presumed late Wisconsinan
- Inferred limit of valley glacier, presumed late Wisconsinan
- Glacial cirque, active in late Wisconsinan
- Glacial cirque, not active in late Wisconsinan
- Moraine ridge of valley glacier, presumed older than late Wisconsinan
- Inferred limit of valley glacier, presumed older than late Wisconsinan
- Inferred limit of valley glacier, presumed pre-Wisconsinan
- Maximum extent of Laurentide ice (defined, approximate)
- Limit of Wisconsinan Laurentide ice (defined, approximate)
- Glacial erratics related to Laurentide glaciation, shown only near limit of Laurentide glaciation
- Race glacier
- Debris covered glacier
- Lateral moraine or same terrace
- Drumline and drumlinoid ridges, ice direction inferred, not inferred, from feature
- Ridges in areas of moraine topography, or individual moraine ridges
- Eskers, ridges within esker complexes
- Anomalous channels, major and minor, with flow direction where inferred from feature
- Erosional scarp (continuous, interrupted)
- Shoreline, abandoned
- Gorge or deeply entrenched channel
- Slope, open part of cirque indicates top of slope (rock slides, flow slides)

Compiled by O.L. Hughes, V.N. Rampton, C.W. Beecher, C.W. Moutrey, R.S. Norford, A.W. North, D.A. Noffs, R.A. Price, R.M. Proctor, G.C. Taylor, 1962-1968
To accompany GSC Paper 69-36 by O.L. Hughes
Physiographic names after H.S. Blackock (Geol. Surv. Canada, Mem. 247, 1948 and Paper 64-35, 1964)
Air photo interpretation and compilation by O.L. Hughes, assisted by V.N. Rampton
Geological cartography by the Institute of Sedimentary and Petrological Geology, Geological Survey of Canada, 1977
Base map from parts of 1:500,000 scale maps "Mackenzie Mountains", "Arctic Red River", "Fort Reliance", "Narvik" and 1:500,000 scale maps "Porcupine River" and "Kluane" published by the Survey and Mapping Branch, in 1957, 1958, 1960, 1962 and 1965
Geographical names subject to revision
Mean magnetic declination 1977, 30°-40' east, increasing 1" annually. Readings vary from 30°12' in the S.E. corner to 30°30' in the N.W. corner of the map area
Elevation in feet above mean sea level
Contour interval varies from 500 ft on east half to 1000 ft on west half

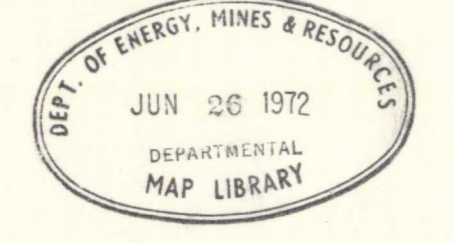


MAP 1319A
SURFICIAL GEOLOGY
NORTHERN YUKON TERRITORY, AND
NORTHWESTERN DISTRICT OF MACKENZIE

Scale 1:500,000
Miles 0 5 10 15 20 25 30
Kilometers 0 5 10 15 20 25 30

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