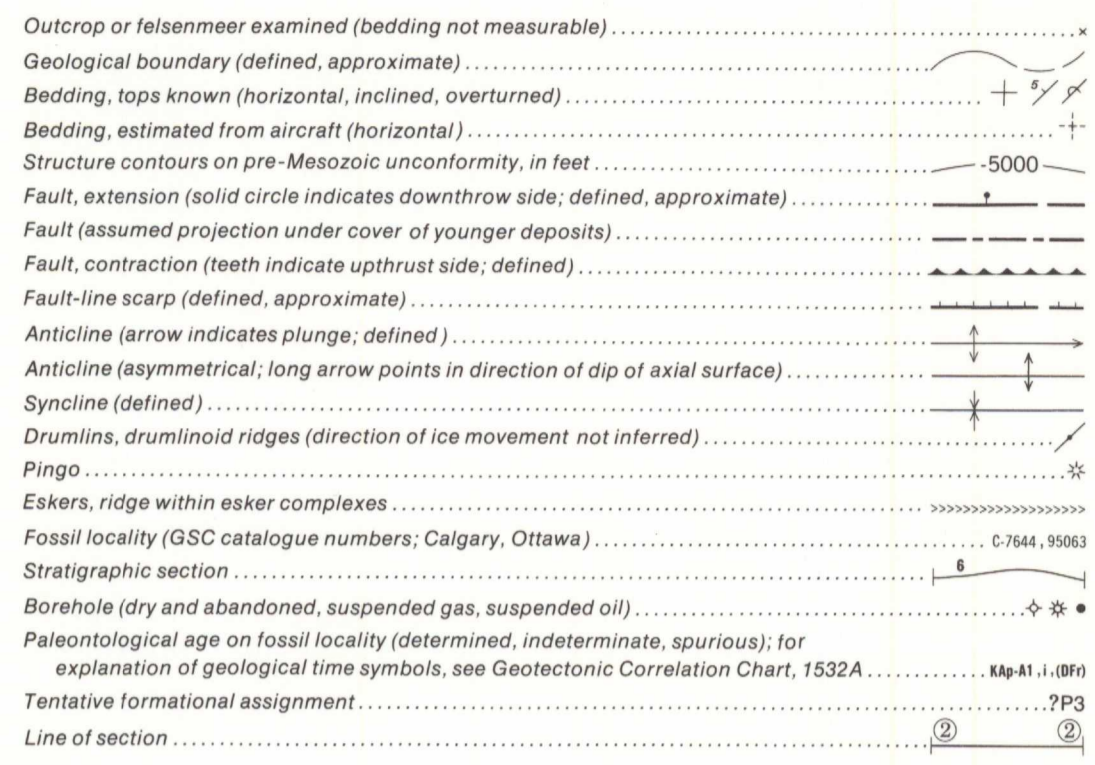


LEGEND

- QUATERNARY**
PLEISTOCENE AND HOLOCENE
 Qu Mainly hummocky or ridged moraine and lacustrine deposits with extensive organic cover; undivided; may include Beaufort Formation
 Qf Fluvial silt, sand and gravel, in part with cover of organic deposits; undivided
 Qff Fluvial deposits of fans and fan aprons; silt, sand and gravel, in part with cover of organic deposits
 Qi Lacustrine deposits and minor fluvial deposits; clay, silt, sand and gravel; mostly with cover of organic deposits
 Qg Gypsiferous intrusions along Donna River Fault
 Pingo Eskers, ridge within esker complexes
- TERTIARY**
MIOCENE AND PIOCENE
 Tb BEAUFORT FORMATION: unconsolidated gravel of chert and quartzitic sandstone and siltstone; alluvial
- Eocene**
 Ts Shale and mudstone; prodeltaic, marine; intertongues with and overlies Reindeer Formation (in structure section 3)
- PALEOCENE**
 Tr REINDEER FORMATION: sand, gravel, mudstone and coal; marine and nonmarine
- MESOCENE AND CENOZOIC**
CRETACEOUS AND TERTIARY
UPPER CRETACEOUS AND LOWER TERTIARY
 Tm2c MOOSE CHANNE Formation (Tm2c1-Tm2c2) Missisquoi Member: mudstone and sandstone; tidal-flat deposits
 Tm2c1 Lower part: sandstone, conglomerate and coal; alluvial, deltaic and prodeltaic
 Tm2c2 Upper part: sandstone, conglomerate and coal; alluvial, deltaic and prodeltaic
 KTr FISH RIVER GROUP: undivided (in structure section 3)
 Kt1 TENT ISLAND FORMATION: mudstone, conglomerate and sandstone; shallow marine
- CRETACEOUS**
UPPER CRETACEOUS
 Kbc BOUNDARY CREEK FORMATION: mudstone, bituminous, bentonitic; marine
- LOWER CRETACEOUS**
 Kbr Sandstone, conglomerate and shale; flyschoid
 Kar ARCTIC RED FM. shale and siltstone; marine
 Khr HORTON RIVER FORMATION: shale, silty; marine
 Krr RAT RIVER FORMATION: sandstone, shale and conglomerate; marine
 Kmg MOUNT GOODENOUGH FORMATION: shale and siltstone; marine
 Kwc Sandstone, shale and coal; marine and nonmarine
 Kmc MARTIN CREEK FORMATION: sandstone and siltstone; marine and nonmarine; may include McGuire Formation and Kwc
 Kp PARSONS SANDSTONE: sandstone, shale and siltstone; marine and nonmarine; gas-bearing in Parsons Lake Field
- JURASSIC AND CRETACEOUS**
JURASSIC AND LOWER CRETACEOUS
 Jkh HUSKY FORMATION: shale, siltstone and ironstone; marine
 Jpc PORCUPINE RIVER FORMATION: sandstone; marine and nonmarine
 Jkk KINGAK FORMATION: shale and siltstone; marine
- JURASSIC**
 Jbc1 BUG CREEK GROUP: undivided
 Jbc Bug Creek Group: undivided
 Jrm RICHARDSON MOUNTAINS FORMATION: sandstone and siltstone; marine
 Jbc1 Sandstone, siltstone and shale; marine; includes Murray Ridge, Alstrom Creek and Manuel Creek Formations
- PERMIAN AND MIDDLE PERMIAN**
 P3 Shale and siltstone; marine; may include Jurassic Murray Ridge Formation
 P2 Limestone, fine-crystalline; marine
 P1 Shale and siltstone; marine
 Pu Permian clastics and carbonates; undivided
- DEVONIAN**
UPPER DEVONIAN
 Di IMPERIAL FORMATION: shale and siltstone; marine, with patches of Laurentian moraine and glacioluvial deposits; may include Canal Formation (in structure section 3)
- LOWER AND MIDDLE DEVONIAN**
 Dg GOSSAGE FORMATION: limestone and dolomite; marine
- CAMBRIAN TO DEVONIAN**
 Cdr ROAD RIVER FORMATION: shale, chert and limestone; marine
 Cdv YUNTA FORMATION: limestone and dolomite; marine; includes Yunta and Gossage Formations (in structure section 3)
 Cdd Limestone and dolomite; marine; includes Yunta and Gossage Formations (in structure section 3)
- PROTEROZOIC**
 ?Helikian Pu Argillite, algal dolomite and quartzite; marine



Geology by D.K. Norris, 1975

SCHEDULE OF WELLS

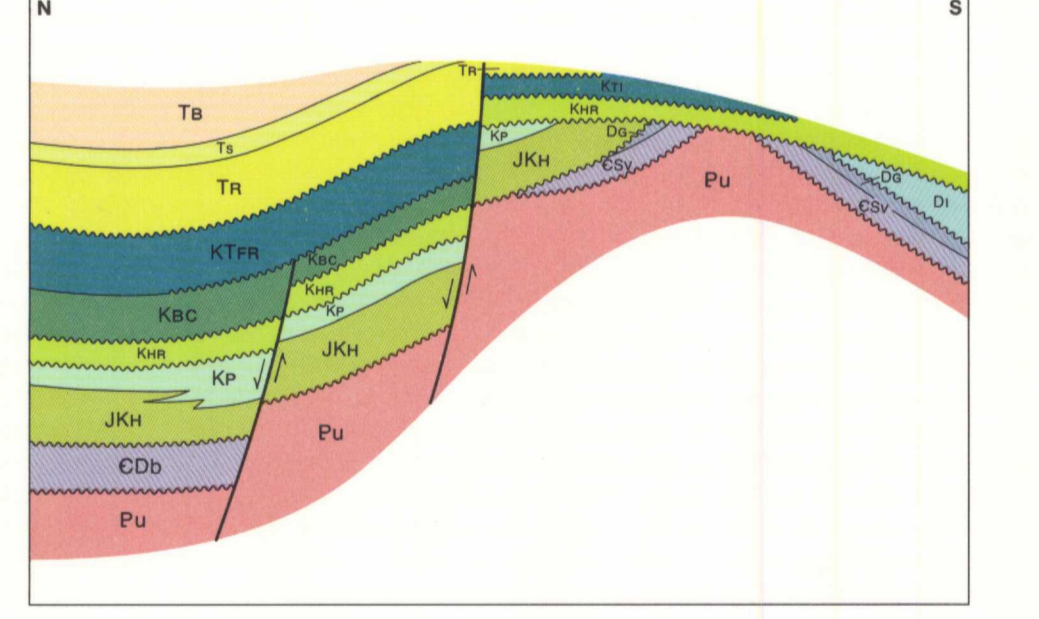
- IOE BA Shell Tununuk K-10; T.D. 3757 m
- Amoco Uster Soury Inuvik D-54; T.D. 1562 m
- Gulf East Reindeer P-60; T.D. 1920 m
- Gulf East Reindeer C-38; T.D. 2994 m
- Shell Aklavik A-37; T.D. 2584 m
- Shell Beaverhouse Creek K-13; T.D. 3748 m
- Gulf Mobil East Reindeer G-04; T.D. 3734 m
- Gulf Mobil East Reindeer A-01; T.D. 2954 m
- Gulf Mobil Parsons F-09; T.D. 3547 m
- Union Aklavik F-17; T.D. 893 m
- Gulf Mobil Parsons N-10; T.D. 3205 m
- Union Aklavik F-38; T.D. 2056 m
- Shell Kuguk O-13; T.D. 3668 m
- Gulf Mobil Inuvik I-37; T.D. 4704 m
- Shell Unak B-11; T.D. 3345 m
- Gulf Mobil Parsons P-53; T.D. 3435 m
- Gulf Mobil Atig O-48; T.D. 1981 m
- Gulf Mobil Parsons O-27; T.D. 3270 m
- Shell Napoik F-31; T.D. 1529 m
- Shell Kipnik O-20; T.D. 3556 m
- Gulf Mobil Kamik D-58; T.D. 3191 m
- Shell Kuguk L-24; T.D. 2817 m
- Gulf Mobil Ogozoq J-06; T.D. 1839 m
- Gulf Mobil Kamik L-60; T.D. 3207 m
- Gulf Mobil Parsons A-44; T.D. 3536 m
- Gulf Mobil Parsons L-43; T.D. 3305 m
- Gulf Mobil Parsons N-17; T.D. 3295 m
- Gulf Mobil Kamik D-48; T.D. 3235 m
- Shell Ulu A-35; T.D. 3919 m
- Gulf Imperial Shell Tununuk F-30; T.D. 3642 m
- Gulf Mobil Parsons D-20; T.D. 4130 m
- Shell Tullugak K-31; T.D. 2928 m
- Gulf Mobil Kamik F-38; T.D. 3568 m
- Gulf Mobil Parsons L-27; T.D. 3381 m
- Gulf Mobil Parsons P-41; T.D. 3555 m
- Gulf Mobil Ogruknang M-31; T.D. 4429 m

Note: Well listing is chronological in order of spudding date

ACKNOWLEDGMENTS

Geological synthesis based on field observations and/or paleontological determinations made by the following geologists and industry geological departments, listed alphabetically, with corresponding years of field activity where applicable: Geological Survey of Canada - W.W. Bidaux; T.P. Chamney; L.D. Dyke; 1974; W.S. Hopkins; O.L. Hughes; 1962; J.A. Jelezky; 1955; 1958; D.C. McTaggart; E.W. Mountjoy; 1962; A.W. Norris; 1962; 1970; D.K. Norris; 1962; 1970, 1973, 1975; R.A. Price; 1962; R.M. Procter; 1962; A.R. Sweet; G.R. Turnquist; 1962; J.H. Wall; industry geological departments - Gulf Oil Canada Ltd.; Texaco Exploration Ltd.; 1959; Peico-Canada Exploration Inc.; 1977.

SCHEMATIC STRATIGRAPHIC RELATIONSHIPS



Geological cartography by G.S. Whitman, Institute of Sedimentary and Petroleum Geology, Geological Survey of Canada

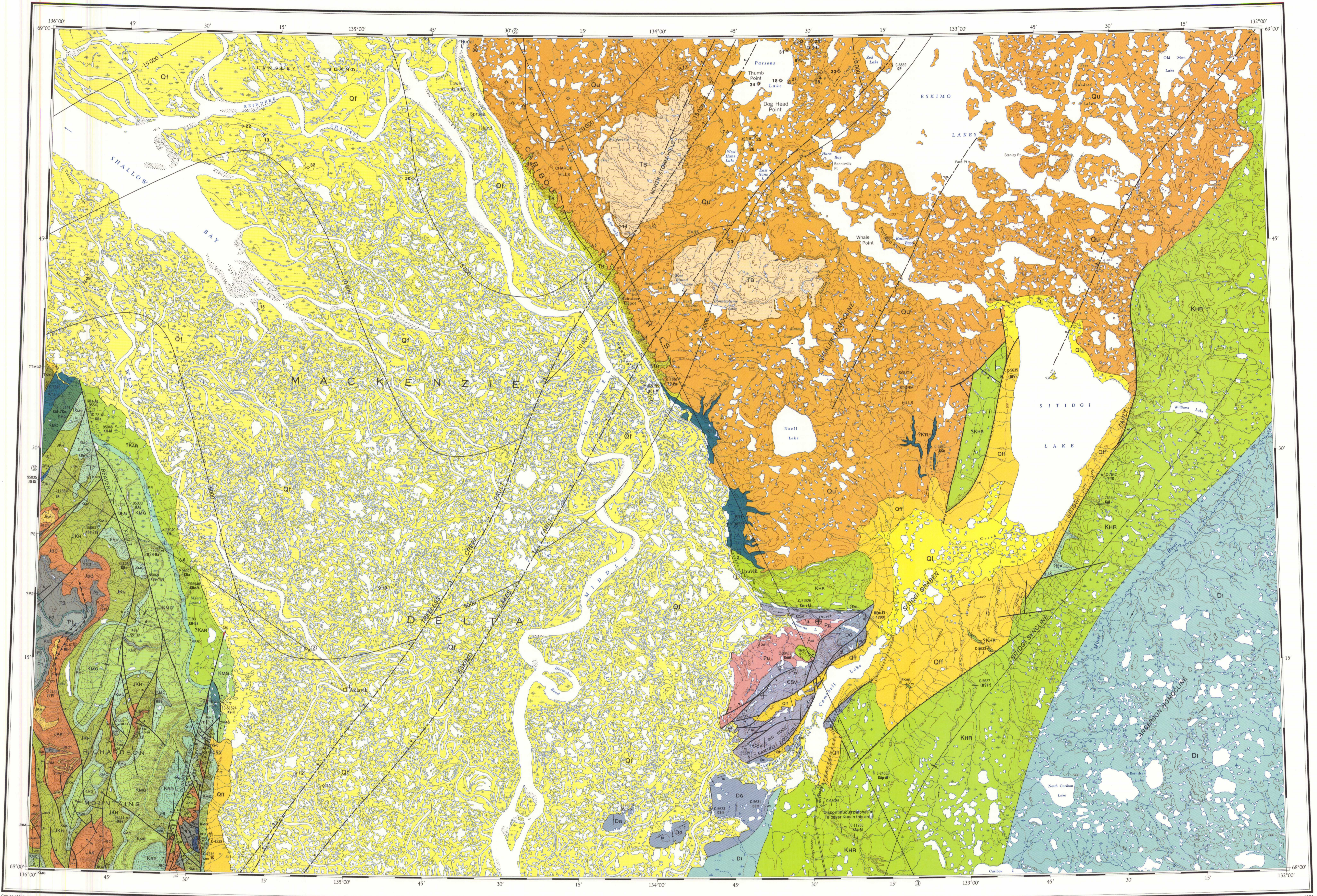
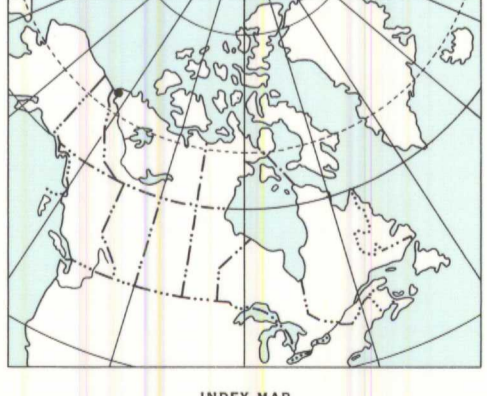
Any revisions or additional geological information known to the user would be welcomed by the Geological Survey of Canada

Base map at the same scale published by the Surveys and Mapping Branch in 1962

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

Magnetic declination 1980 varies from 37°51' easterly at centre of west edge to 39°34' easterly at centre of east edge. Mean annual change 7.9' westerly

Elevations in feet above mean sea level



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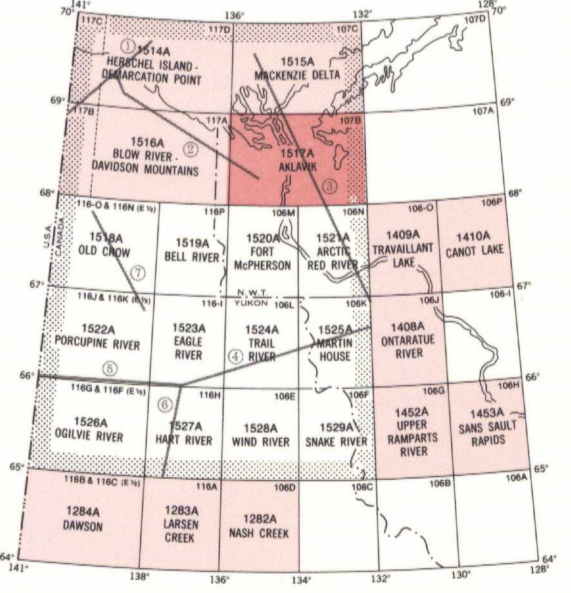
MAP 1517A
 GEOLOGY
AKLAVIK
 DISTRICT OF MACKENZIE
 Scale 1:250,000

Kilometres 0 6 12 18
 Miles 0 4 8

Transverse Mercator Projection
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THE STRUCTURE SECTION DIAGRAM AND GEOTECTONIC CORRELATION CHART FOR THE AREA COVERED BY MAPS 1514A TO 1529A ARE AVAILABLE SEPARATELY AS SHEETS 1530A AND 1532A

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