

PRELIMINARY SERIES

- LEGEND**
- EOCENE OR YOUNGER**
- TLR LITTLE RIDGE VOLCANICS: brown, purple and green basalt and flow breccia
 - eCv CARMACKS GROUP: brown-weathering, brown augite olivine basalt and flow breccia
 - Tv UNDIFFERENTIATED VOLCANICS: brown and green feldspar porphyry dyke and flow rocks of intermediate composition
 - Tvr VARIOLOURED ACID TUFF: brightly coloured, light-weathering acid vitric crystal tuff, lapilli tuff and welded tuff; includes plugs and necks that are feeders to these extrusive rocks
- EOCENE**
- TMN MOUNT NANSEN GROUP: dark grey to black weathering (blocky talus), dark greenish-grey, aphanitic, intermediate to acid, massive, tuff and tuff-breccia
 - Tfp FELDSPAR PORPHYRY: orange and buff weathering light-coloured feldspar porphyry dyke and flow rocks of intermediate to acid composition; may include Nisling Range Alaskite (Tgal) undifferentiated. Where these rocks are represented by intrusive phases this is indicated by a lined pattern defining the trend of dykes, where they are extrusive this pattern is not shown
 - Tgal NISLING RANGE ALASKITE: fine-grained, microlitic, buff-weathering leucogranite or alaskite; may include Coffee Creek (Tg) and feldspar porphyry (Tfp) undifferentiated
 - Tg COFFEE CREEK GRANITE: coarse-grained, equigranular, buff-weathering, homogeneous biotite granite and quartz monzonite; includes Nisling Range Alaskite undifferentiated
- LOWER CRETACEOUS AND/OR UPPER JURASSIC**
- LMdm HORNBLENDE DIORITE: melanocratic fine-grained equigranular biotite hornblende diorite; may include Ruby Range granodiorite (Rgd) undifferentiated
- LOWER AND MIDDLE JURASSIC**
- LKt TANTALUS FORMATION: chert pebble conglomerate with minor interbedded sandstone and shale
 - J LabERGE GROUP: poorly sorted, white and buff weathering, medium bedded to massive sandstone with interbedded pebble and boulder conglomerate and minor shale
- TRIASSIC (?)**
- Mqmp PORPHYRITIC QUARTZ MONZONITE: porphyritic (pink K-feldspar) medium-grained, hornblende biotite quartz monzonite; includes minor pink quartz monzonite (Rqm) and hornblende granodiorite (Rgdm) undifferentiated
 - Rqm PINK QUARTZ MONZONITE: pink coarse-grained leucocratic quartz monzonite and porphyritic pink quartz monzonite; may include porphyritic quartz monzonite (Mqmp) undifferentiated
 - Rgdm HORNBLENDE GRANODIORITE: dark grey weathering, coarse-grained, equigranular biotite hornblende granodiorite to quartz diorite; commonly shows layering or foliation by alignment of mafics; includes pink quartz monzonite (Rqm) and porphyritic quartz monzonite (Mqmp) undifferentiated
 - Rgd RUBY RANGE GRANODIORITE: medium-grained, equigranular, grey, hornblende biotite granodiorite; includes undifferentiated diorite (LMdm); may include biotite granite (Tg)
 - kvb MASSIVE GREEN VOLCANICS: massive dark green epidotized basalt; minor tuff breccia
- PROTEROZOIC AND/OR PALEOZOIC**
- EPm AMPHIBOLITE: dark green fine-grained amphibolite; includes interfoliated schist and gneiss
 - EPsqr HORNFELSED SCHIST: dark purplish brown staurolite cordierite biotite hornfels with relict schistose texture
 - EPc MARBLE: light grey and white coarsely crystalline, locally finely laminated foliated marble
 - EPsbq BIOTITE SCHIST: brown grey weathering, recessive, chlorite muscovite biotite quartz schist and micaceous quartzite; garnetiferous; minor amphibolite, marble and skarn

- Geological boundary (defined, approximate, assumed)
- Bedding tops known (horizontal, inclined, vertical)
- Foliation (inclined, vertical)
- Lineation (horizontal, inclined)
- Trend of dykes (from air photographs)
- Fault (defined, inferred)
- Jointing (inclined, vertical)
- Antiform (location approximate)
- Synform (location approximate)
- Mineral occurrence

- METALS AND MINERALS**
- Chalcopyrite...cp
 - Scheelite...sh
 - Magnetite...mag
 - Sphalerite...sp

Geology by D.J. Tempelman-Kluit 1970, 1971, 1972

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This preliminary edition may be subject to revision and correction

Geological cartography by the Geological Survey of Canada

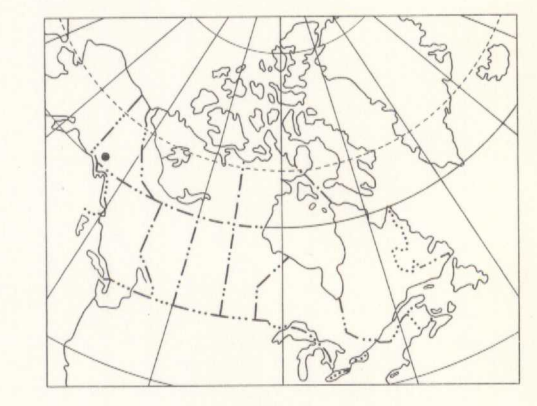
Any revisions or additional geological information known to the user would be welcomed by the Geological Survey of Canada

Base-map at the same scale published by the Surveys and Mapping Branch, Department of Energy, Mines and Resources in 1971

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 1973 varies from 30°22' easterly at centre of west edge to 31°10' easterly at centre of east edge. Mean annual change 3.7' westerly

Elevations in feet above mean sea-level



MAP 17-1973
PAPER 73-41
GEOLOGY
AISHIHIK LAKE
YUKON TERRITORY
Scale 1:250,000

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

Universal Transverse Mercator Projection
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Handwritten notes:
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3401
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