



LEGEND

SEDIMENTARY AND VOLCANIC ROCKS

- QUATERNARY**
 - 36 Surficial deposits, exclusive of glacial till, may include Pleistocene (WHITE CHANNEL and KLONDIKE GRAVELS); 36A, includes other glacial till
- TERTIARY AND QUATERNARY**
 - 33-35 Volcanic rocks (mainly late); 33, undivided (BUKUM VOLCANICS and NEWER VOLCANICS, in part); 34, Paleocene to Miocene (CARMACKS GROUP); 34A, includes sedimentary rocks (NEWER VOLCANICS, in part); 35, Miocene to recent (MILES CANYON BASALTS and SELKIRK GROUP)
- TERTIARY**
 - 32 Sedimentary rocks (non-marine); 32A, pre-Miocene, mainly Paleocene
- MESOZOIC**
 - CRETACEOUS**
 - 31 Sedimentary rocks, undifferentiated marine and non-marine
 - LOWER CRETACEOUS**
 - 30 Sedimentary rocks, marine, (SCATTEK and GARbutt FORMATIONS); 30A, marine, includes Jurassic; 30B, marine and non-marine (CASCADIAN GROUP); 30C, non-marine, may include Upper Jurassic (TANTALUS FORMATION)
 - JURASSIC**
 - 29 Lower JURASSIC AND (?) LATER Sedimentary and minor volcanic rocks; undifferentiated marine and non-marine (LABERGE GROUP)
 - TRIASSIC**
 - 28 UPPER TRIASSIC (mainly) Sedimentary rocks and volcanic rocks (LEWIS RIVER GROUP and BRAEBURN LIMESTONE); 28A, may include Permian or Carboniferous; 28B, may be partly Jurassic
 - 27 Sedimentary rocks (FOAD and GRAYLING FORMATIONS)
 - PERMIAN (MAY INCLUDE PENNSYLVANIAN)**
 - 22 Sedimentary rocks; 22A, includes volcanic rocks
 - CARBONIFEROUS AND/OR PERMIAN**
 - 20 Sedimentary rocks
 - CARBONIFEROUS PENNSYLVANIAN**
 - 19 Sedimentary rocks; 19A, may include Permian
 - MISSISSIPPIAN**
 - 18 Sedimentary rocks
 - DEVONIAN**
 - 14 UPPER DEVONIAN Sedimentary rocks (mainly) (IMPERIAL FORMATION); 14A, FORT CREEK FORMATION locally includes Mississippian
 - 13 MIDDLE DEVONIAN Sedimentary rocks (mainly) (RAMPARTS FORMATION)
 - 12 DEVONIAN Sedimentary rocks; 12A, includes volcanic rocks
 - SILURIAN**
 - 11 Sedimentary rocks (mainly) 11A, Middle Silurian and Middle Devonian
 - ORDOVICIAN**
 - 10 Sedimentary rocks; 10A, includes Cambrian; 10B, may include Silurian
 - CAMBRIAN**
 - 8 Sedimentary rocks; 8A, Cambrian(?) 8B, Cambrian and earlier
 - PRECAMBRIAN AND EARLIER**
 - 5, 6 YUKON GROUP Metamorphic rocks of sedimentary, volcanic, and uncertain origin; includes younger rocks; 5, mainly quartzite and quartz-mica schist; minor slate, amphibole, chlorite, and graphite schists, limestone, and gneiss; 6, gneiss, quartz-mica, amphibole, and chlorite schists, quartzite, limestone, mica, gneiss (NAGAIWA SERIES)
- INTRUSIVE ROCKS**
 - 4 Acidic intrusions: granite, granite porphyry, quartz porphyry, syenite porphyry, monzonite porphyry and associated extrusions (ACID VOLCANICS); 4A, mainly alkaline; Tertiary, may include Cretaceous and Quaternary
 - 3 Acidic intrusions: chiefly granodiorite, quartz diorite, and granite (COAST INTRUSIONS); 3A, syenite, monzonite. Mainly Mesozoic
 - 2 Basic rocks: gabbro, diorite, 2A, gneiss, schist, gneiss, not all of intrusive origin; 2B, hornblende-rich rocks, diorite, gabbro, amphibolite, commonly gneissic, of uncertain age
 - 1 Ultrabasic rocks (mainly: peridotite, dunite, pyroxenite, hornblende, serpentinite); 1A, basic and ultrabasic rocks; undifferentiated. May not all be of intrusive origin
 - Metamorphic rocks of intrusive origin: K_g, granite, orthogneiss (KLONDIKE GRANITES); K_h, mica, chlorite, and amphibole schists (KLONDIKE SCHIST)
- PALEOZOIC AND/OR MESOZOIC**
 - 26 Volcanic rocks (not included but partly Mesozoic) (OLDER VOLCANICS, HUTSH, LITTLE RIDGE, and MOUNT MANNEN GROUPS, SCHWATKA ANDESITES and NORDENFELD DIABASES); 26A, includes some sedimentary rocks; 26B, Cretaceous
 - 23-25 Sedimentary rocks; 23, undivided; 24, mainly Permian or Triassic, mainly volcanic rocks; 25, undivided Carboniferous to Cretaceous
 - 16, 17 Sedimentary rocks (mainly); 16, undivided (MONTAGUE GROUP); 16A, may include some Precambrian and Mississippian; 17, pre-Carboniferous (HARVEY GROUP); 17A, Cambrian and later (?)
 - 9 Sedimentary rocks (including undifferentiated sedimentary rocks); metamorphosed sedimentary and volcanic rocks, mainly pre-Middle Mississippian
 - 7 Quartzite, limestone, slate, gneiss (TINDIR GROUP)

- Surficial deposits: glacial, glaciofluvial, alluvial
- Metamorphosed rocks not otherwise differentiated
- Limestone not otherwise differentiated

NOTES
Lithological descriptions are given in the legend only for those map units of characteristic or specific composition. Throughout the legend, too, the term "undivided" applies to age and "undifferentiated" to lithology.
Geology derived mainly from published and unpublished maps and reports of the Geological Survey of Canada. The geology along the Yukon and Klondike Rivers and thence north to 67° north latitude is mainly from information supplied by the Peat Plateau Exploration Limited (R. G. Harvey).
Cartography by the Geological Cartography Unit, 1956

CANADA
DEPARTMENT OF
MINES AND TECHNICAL SURVEYS
GEOLOGICAL SURVEY OF CANADA
MAP 1048A
(PUBLISHED, 1957)

GEOLOGICAL MAP
OF
YUKON TERRITORY

SCALE: ONE INCH TO TWENTY MILES = 1:267,200
MILES 0 20 40 60 80 100
KILOMETRES 0 25 50 75 100

**ANVIL RANGE
ZINC - LEAD DISTRICT**

