



LEGEND

SEDIMENTARY AND VOLCANIC ROCKS

- QUATERNARY**
36 Surficial deposits, exclusive of glacial till, may include Pleistocene (WHITE CHANNEL and KLONDIKE GRAVELS); 35, includes other glacial till
- CENOZOIC**
- 33-35 TERTIARY AND QUATERNARY**
33, undivided (SKUKUM VOLCANICS and NEWER VOLCANICS, in part); 34, Pleistocene to Miocene (CARMACKS GROUP); 35, includes sedimentary rocks (NEWER VOLCANICS, in part); 35, Miocene to Recent (MILES CANYON BASALTS and BELLEVUE GROUP)
- 32 TERTIARY**
Sedimentary rocks (non-marine) 32A, pre-Miocene, mainly Paleocene
- CRETACEOUS**
31 Sedimentary rocks, undifferentiated marine and non-marine
- LOWER CRETACEOUS**
30 Sedimentary rocks, marine (SCATTER and GARRETT FORMATIONS); 30A, marine, includes Jurassic; 30B, marine and non-marine (ISCARASH GROUP); 30C, non-marine, may include Upper Jurassic (TANTALUS FORMATION)
- JURASSIC**
29 Sedimentary and minor volcanic rocks, undifferentiated marine and non-marine (LABERGE GROUP)
- TRIASSIC**
28 Sedimentary and volcanic rocks (LEWIS RIVER GROUP and BRADBURN LIMESTONE); 28A, may include Permian or Carboniferous; 28B, may be partly Jurassic
- 27 TRIASSIC**
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 Sedimentary rocks (mainly IMPERIAL FORMATION); 14A, FORTY CREEK FORMATION, locally includes Mississippian
- MIDDLE DEVONIAN**
13 Sedimentary rocks (mainly RAMPARTS FORMATION)
- 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
- 5, 6 PRECAMBRIAN AND LATER**
YUKON GROUP
Metamorphic rocks of sedimentary, volcanic, and uncertain origin; includes younger rocks; 5, mainly quartzite and quartz-mica schist, minor siliceous, amphibole, chlorite, and graphite schists, limestone, and gneiss; 6, paragneiss, quartz-mica, amphibole, and chlorite schists, quartzite, limestone, slate, gneiss (FASINA SERIES)
- 26 PALÆZOIC AND/OR MESOZOIC**
Volcanic rocks (see unnumbered list of chiefly Mesozoic); OLDER VOLCANICS, HUTSH, LITTLE FLOOD, and MOUNT NANKEN GROUPS; SCHWATKA ANDERITES and NORDENBERG DACTITES; 26A, includes some sedimentary rocks; 26B, Cretaceous
- 23-25 CARBONIFEROUS**
Sedimentary rocks; 23, undivided; 24, mainly Permian or Triassic, mainly volcanic rocks; 25, undivided Carboniferous to Cretaceous
- 16, 17 PALÆZOIC**
Sedimentary rocks (mainly 16, undivided (MONTAGUE GROUP); 16A, may include some Precambrian and Mississippian; 17, pre-Carboniferous (HARRY GROUP); 17A, Cambrian and later (?)
- 9 PALÆZOIC AND EARLIER**
Sedimentary rocks (including undifferentiated Permian rocks); 9A, metamorphosed sedimentary and volcanic rocks, mainly pre-Middle Mississippian
- 7 PROTEROZOIC OR (?) EARLY CAMBRIAN**
Quartzite, limestone, slate, gneiss (TINDY GROUP)

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, amphibole, commonly gneiss, 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
- Kg, Ks** Metamorphic rocks of intrusive origin: Kg, granite, orthogneiss (KLONDIKE GRANITES); Ks, mica, chlorite, and amphibole schists (KLONDIKE SCHIST)

- 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 magnitudes 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 Peel Rivers and thence north to 67° north latitude is mainly from information supplied by the Peel Plateau Exploration Limited (R. G. Perry).
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 20 40 60 80 100

