



LEGEND

SEDIMENTARY AND VOLCANIC ROCKS

- QUATERNARY**
36 Surficial deposits, exclusive of glacial till, may include Pleistocene (WHITE CHANNEL and KLONDIKE GRAVELS); 36A, include older glacial till
- TERTIARY AND QUATERNARY**
33-35 Volcanic rocks (mostly basalt) 33, undivided (BRUKUM VOLCANICS and NEWER VOLCANICS, in part); 34, Palaeocene to Miocene (CAMRACKS GROUP); 34A, include sedimentary rocks (NEWER VOLCANICS, in part); 35, Miocene to Recent (MILES CANYON BASALTS and BELKIRK GROUP)
- TERTIARY**
32 Sedimentary rocks (non-marine) 32A, pre-Miocene, mainly Palaeocene
- 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 (DEZADASH GROUP); 30C, non-marine, may include Upper Jurassic (CANVALUS 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 (mainly) and volcanic rocks (LEWIS RIVER GROUP and BRABURN LIMESTONES 28A, may include Permian or Carboniferous; 28B, may be partly Jurassic); 27 Sedimentary rocks (ROAD and GRAYLING FORMATIONS)
- PERMIAN (MAY INCLUDE PENNSYLVANIAN)**
22 Sedimentary rocks 22A, include volcanic rocks
- CARBONIFEROUS AND/OR PERMIAN**
20 Sedimentary rocks
- CARBONIFEROUS PENNSYLVANIAN**
19 Sedimentary rocks 19A, may include Permian
- MISSISSIPPIAN**
18 Sedimentary rocks
- DEVONIAN AND (?) LATER**
15 Sedimentary rocks (mainly)
Upper Devonian and Mississippian 15A, Upper Devonian (?) and/or Mississippian
- DEVONIAN**
12 Sedimentary rocks 12A, include volcanic rocks
- 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
- PRECAMBRIAN AND LATER**
5, 6 YUKON GROUP
Metamorphic rocks of sedimentary, volcanic, and uncertain origin; includes younger rocks 5, mainly quartzite and quartz-mica schists; minor slates, amphibolites, chlorites, and graphite schists; limestone and gneissiferous
6, paragneiss, quartz-mica, amphibolite, and chlorite schists, quartzite, limestone, slate, gneissiferous (NABINA 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, granite, monzonite, Alaskian Mesozoic
2 Basic rocks: gabbro, diorite; 2A, gneiss, schist, quartzite, not all of intrusive origin; 2B, hornblende-rich rocks, diorite, gabbro, amphibolite, 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 GRANITE); Ks, mica, chlorite, and amphibolite schists (KLONDIKE SCHIST)
- PALEOZOIC AND/OR MESOZOIC**
26 Volcanic rocks (age uncertain but chiefly Mesozoic): GOLDEN VOLCANICS, MITSU, LITTLE RIVER, and MOUNT NANSSEN GROUPS, SCHWATKA ANDERITES and NORDENSKJÖLD DIACRYTES; 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
- PALEOZOIC**
16, 17 Sedimentary rocks (mainly); 16, undivided (MONTAGIE GROUP); 16A, may include Devonian; 16B, Carboniferous and Mississippian; 17, pre-Carboniferous (HARVEY GROUP); 17A, Cambrian and later (?)
- PALEOZOIC AND EARLIER**
9 Quartzite, limestone, slate, gneissiferous not otherwise differentiated; Sedimentary rocks (including undifferentiated metamorphic rocks) 9A, metamorphosed sedimentary and volcanic rocks, mainly pre-Middle Mississippian
- PROTEROZOIC OR (?) EARLY CAMBRIAN**
7 Quartzite, limestone, slate, gneissiferous (TINDIR GROUP)

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

NOTES
Lithological descriptions are given in the legend only for those 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 Peel Plateau Expedition 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

