



LEGEND

SEDIMENTARY AND VOLCANIC ROCKS

- QUATERNARY**
 - 36 Surficial deposits, exclusive of glacial fill, may include Pleistocene (WHITE CHANNEL) and KLONDIKE GRAVELS; 36a, includes older glacial fill
- TERTIARY AND QUATERNARY**
 - 33-35 Volcanic rocks (mainly basic); 33, undivided (SILKUM VOLCANICS and NEWER VOLCANICS, in part); 34, Pleistocene to Miocene (CAMACKS 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
- CRETACEOUS**
 - 31 Sedimentary rocks, undifferentiated marine and non-marine
- LOWER CRETACEOUS**
 - 30 Sedimentary rocks, marine (SCATTEN and GARRETT FORMATIONS); 30a, marine, includes Jurassic; 30b, marine and non-marine (DEZADASH GROUP); 30c, non-marine, may include Upper Jurassic (TANTALUS FORMATION)
- JURASSIC LOWER JURASSIC AND (?) LATER**
 - 29 Sedimentary and minor volcanic rocks, undifferentiated marine and non-marine (LABERGE GROUP)
- TRIASSIC**
 - 28 Sedimentary and volcanic rocks (LEWIS RIVER GROUP and WALKER Limestones); 28a, may include Permian or Carboniferous; 28b, may be partly Jurassic
 - 27 Sedimentary rocks (TOAD 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**
 - 15 Sedimentary rocks (Upper Devonian and Mississippian); 15a, Upper Devonian (?) and/or Mississippian
- UPPER DEVONIAN**
 - 14 Sedimentary rocks (mainly IMPERIAL FORMATION); 14a, (FORT CREEK FORMATION) locally includes Mississippian
- MIDDLE DEVONIAN**
 - 13 Sedimentary rocks (mainly RAMPARTS FORMATION)
- SILURIAN**
 - 11 Sedimentary rocks (marine); 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 Metasedimentary 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 gneissites; 6, paragneiss, quartz-mica, amphibole, and chlorite schists, quartzite, limestone, slate, gneissite (NASINA SERIES)

INTRUSIVE ROCKS

- 4 Acidic intrusions: granite, granite porphyry, quartz porphyry, syenite porphyry, monzonite porphyry and associated intrusions (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, gneissite, schist, gneiss, not all of intrusive origin; 2b, hornblende-rich rocks, diorite, gabbro, amphibolite, orthopyroxene gneiss, of uncertain age
- 1 Ultrabasic rocks (mainly): peridotite, dunite, pyroxenite, hornblende, serpentine; 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)

- 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 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 Stikine and upper Peel Rivers and thence north to 67° north latitude is mainly from information supplied by the Peel Plateau Exploration Limited (R. G. Terry).
Cartography by the Geological Cartography Unit, 1956

CANADA
DEPARTMENT
OF
MINES AND TECHNICAL SURVEYS
GEOLOGICAL SURVEY OF CANADA
MAP 1048A
(PUBLISHED, 1952)

GEOLOGICAL MAP
OF
YUKON TERRITORY

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