LEGEND

SEDIMENTARY AND VOLCANIC ROCKS

CENOZOIC

QUATERNARY

36 — Surficial deposits: *exclusive of glacial till, may include Pliocene (WHITE CHANNEL and KLONDIKE GRAVELS);* **36a**, *includes older glacial till*

TERTIARY AND QUATERNARY

33-35 — Volcanic rocks (mainly basic): **33**, *undivided (SKUKUM 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, (SCATTER and GARBUTT FORMATIONS);* **30A**, *marine, includes Jurassic;* **30B**, *marine and non-marine (DEZADEASH 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

UPPER TRIASSIC (mainly)

28 — Sedimentary (mainly) and volcanic rocks: *(LEWES RIVER GROUP and BRAEBURN LIMESTONE);* **28A**, *may include Permian or Carboniferous;* **28B**, *may be partly Jurassic*

TRIASSIC

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

CARBONIFEROUS

21 — Sedimentary rocks (undivided): **21A**, *possibly includes Permian;* **21B**, *Carboniferous and/or earlier*

PALÆOZOIC

DEVONIAN

UPPER DEVONIAN

14 — Sedimentary rocks (marine): *(IMPERIAL FORMATION);* **14a**, *(FORT CREEK FORMATION) locally includes Mississippian*

MIDDLE DEVONIAN

13 — Sedimentary rocks (marine): *(RAMPARTS FORMATION)*

IDEVONIAN AND (?) LATER

15 — Sedimentary rocks: *Upper Devonian and Mississippian;* **15a**, *Upper Devonian (?) and/or Mississippian*

IDEVONIAN

12 — Sedimentary rocks: **12a**, *includes volcanic rocks*

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**
Metamorphic rocks of sedimentary, volcanic, and uncertain origins; includes younger rocks **5**, *mainly quartzite and quartz-mica schist; minor slate, amphibole, chlorite, and graphite schists, limestone, and greenstone*
6, *paragneiss, quartz-mica, amphibole, and chlorite schists, quartzite, limestone, slate, greenstone (NASINA SERIES)*

PALÆOZOIC AND/OR MESOZOIC

26 — Volcanic rocks (age uncertain but chiefly Mesozoic): *(OLDER VOLCANICS, HUTSHI, LITTLE RIDGE, and MOUNT NANSEN GROUPS, SCHWATKA ANDESITES and NORDENSKIÖLD DACITES);* **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*

PALÆOZOIC

16, 17 — Sedimentary rocks (mainly): **16**, *undivided (MONTAGUE GROUP);* **16A**, *may include some Precambrian and Mesozoic;* **17**, *pre-Carboniferous (HARVEY GROUP);* **17A**, *Cambrian and later (?)*

PALÆOZOIC AND EARLIER

9 — Sedimentary rocks (including undifferentiated metamorphic rocks): **9a**, *metamorphosed sedimentary and volcanic rocks, mainly pre-Middle Mississippian*

PROTEROZOIC OR (?) EARLY CAMBRIAN

7 — *Quartzite, limestone, slate, greenstone (TINDIR GROUP)*

INTRUSIVE ROCKS

MESOZOIC (MAINLY)

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**, *greenstone, 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, hornblendite, serpentine;* **1A**, *basic and ultrabasic rocks; undifferentiated. May not all be of intrusive origin*

PALÆOZOIC (?)

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 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 Snake and upper 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

N.T.S. 95, 96, 105, 106, 115, 116

SCALE: ONE INCH TO TWENTY MILES = 1/1,267,200

MILES 20 0 20 40 60 80 100 MILES
KILOMETRES 25 0 25 50 75 100 KILOMETRES

inches 0 1 2
centimetres 0 1 2 3 4 5

YUKON GEOLOGICAL SURVEY

This reference scale bar has been added to the original map. It is at the same scale as the image, therefore it can be used as a reference for the original size.