A50/

GEOLOGICAL SURVEY OF CANADA
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

PRELIMINARY SERIES

SHEET 105 J

LEGEND

Map-units A, 2, 6, 7, 8, 9, 10, and 12 appear on Map 13-1961, "Tay River" only

CENOZOIC

QUATERNARY

15 — 15a, modern unconsolidated alluvial deposits; 15b, unconsolidated glacial and alluvial deposits

TERTIARY

14 — Grey and dark grey andesite, dacite, and basalt, commonly massive and porphyritic; minor pyroclastic material

13 — Granodioritic quartz and feldspar porphyry, probably plutonic equivalent of 14

PALEOCENE

12 — Brown-weathering, brown, impure sandstone with plant remains, grey and brown conglomerate, and brown shale; 12a, rusty weathering conglomerate; minor sandstone and shale, may be equivalent to 12 but age not established, locally interbedded with part of 14

MESOZOIC

CRETACEOUS (?)

11 — Medium-to coarse-grained quartz monzonite and granodiorite, commonly porphyritic; minor diorite and gneiss

TRIASSIC

10 — Interbedded, dark grey to black, friable, micaceous sandstone, and shale; minor conglomerate and concretionary shale

MISSISSIPPIAN (?) AND/OR LATER (?)

9 — 9a, greenish grey quartzite, commonly thin-bedded; micaceous and silvery graphitic schists; minor dark grey siliceous slate, silty limestone, and grey micaceous quartzite; 9b, conglomerate with pebbles of chert, andesite, quartzite, chlorite schist, and limestone

8 — Altered, dark green andesite and basalt flows and tuffs, commonly schistose, rarely porphyritic; minor phyllite, dark argillite, and light grey quartzite

7 — Banded quartzose granulite, green and purplish banded skarn, quartz-sericite schist, hornfels and phyllite; chlorite schist and thin altered andesite (8) common in upper part; minor crystalline limestone

MISSISSIPPIAN

6 — Dark grey massive limestone

PALAEOZOIC

DEVONIAN AND MISSISSIPPIAN
UPPER DEVONIAN AND LOWER (?) MISSISSIPPIAN

5 — 5a, chert-pebble conglomerate; 5b, black and grey chert, shale, quartzite; minor conglomerate and limestone, 5c, black slate, black and brown siliceous shales, sandstone, greywacke, phyllite; minor conglomerate

SILURIAN AND DEVONIAN

4 — Grey and buff-weathering, thick-bedded dolomite, buff to reddish weathering, sandy and silty, dolomite and siltstone; buff, grey, and white quartzites

ORDOVICIAN AND SILURIAN

3 — Black and varicoloured cherts, black, grey, and greenish grey shales; minor chert-pebble conglomerate, quartzite, limestone, and phyllite; 3a, massive chert-pebble conglomerate

CAMBRIAN (?)
MIDDLE AND UPPER CAMBRIAN (?)

2 — Buff-and grey-weathering, grey, green, and black shales, slates, and phyllites; silty limestone and siltstone

PROTEROZOIC

1 — 1a, light grey and whitish quartzite, banded hornfels and granulite, grey quartzite, skarn; minor chert and crystalline limestone; 1b, crystalline limestone; 1c, green and maroon shale, slate, phyllite, quartzite; minor andesite; 1d, gritty massive, quartz-pebble quartzite, medium-grained, grey quartzite, and dark slate

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A — Quartz-biotite schist, micaceous quartzite, banded, altered, sedimentary and volcanic rocks, hornfels; minor gneiss and crystalline limestone

Geological boundary (defined, approximate, assumed)
Bedding (horizontal, inclined, vertical)
Foliation (inclined)
Fault (assumed)
Syncline
Fossil locality (F)
Mineral occurrence or prospect (barite, ba) ba ×
Rock altered to hornfels

Geology by J.A. Roddick, 1958, 1960, and L.H. Green, 1960

Cartography by the Geological Survey of Canada, 1961

Air photographs covering this area may be obtained through the National Air Photographic Library, Topographical Survey, Ottawa

In response to public demand for earlier publication, Preliminary Series maps are issued in this simplified form and will be clearer to read if all or some of the map-units are hand-coloured

Adjoins Map 13-1961, "Tay River"

Adjoins Map 8-1960, "Finlayson Lake"

PUBLISHED, 1961
COPIES OF THIS MAP MAY BE OBTAINED FROM THE DIRECTOR, GEOLOGICAL SURVEY OF CANADA, OTTAWA

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INDEX MAP

MAP 12-1961
GEOLOGY
SHELDON LAKE
YUKON TERRITORY

Scale: One Inch to Four Miles = 1/253,440
Miles 4 2 0 4 8 12

inches 0 1 2
centimetres 0 1 2 3 4 5

YUKON GEOLOGICAL SURVEY

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

LEGEND

Road (abandoned)
Horizontal control point
Intermittent stream
Marsh
Contours (interval 500 feet)
Height in feet above mean sea-level

Base-map prepared by the Army Survey Establishment, R.C.E., Department of National Defence 1949-1951

Approximate magnetic declination, 34° 36' East

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