

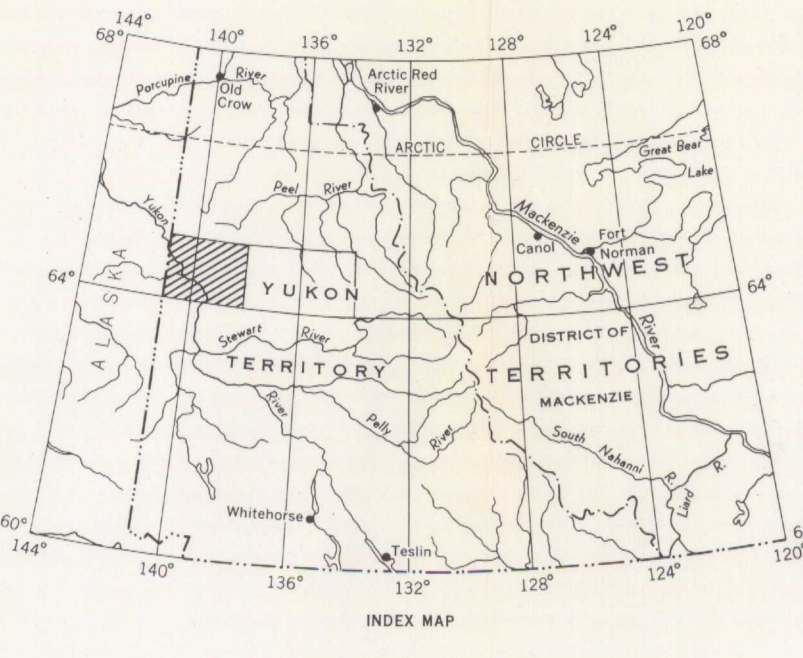
LEGEND

Note: Weighted legend blocks indicate map-units that appear on this map

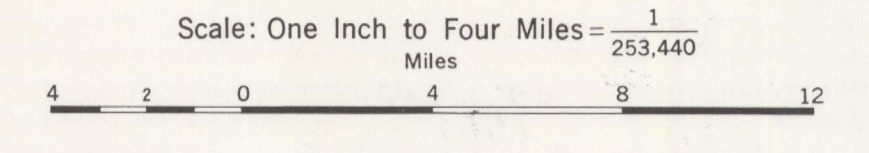
- QUATERNARY**
25 Unconsolidated glacial and alluvial deposits
- TERTIARY**
24 Dark grey and brown andesite and basalt, commonly porphyritic; minor shale, sandstone, and conglomerate
- TERTIARY (?)**
23 Quartz porphyry
- TERTIARY (?)**
22a, poorly consolidated, brown, buff, and grey, arkosic and micaceous sandstone; light and dark shale, poorly sorted conglomerate; minor lignite and agglomerate; 22b, brown weathering, thin-bedded, brown chert-grain sandstone, siltstone, shale, and fine chert-pebble conglomerate
- CRETACEOUS (?) AND TERTIARY**
UPPER CRETACEOUS (?) AND LATER
22a, poorly consolidated, brown, buff, and grey, arkosic and micaceous sandstone; light and dark shale, poorly sorted conglomerate; minor lignite and agglomerate; 22b, brown weathering, thin-bedded, brown chert-grain sandstone, siltstone, shale, and fine chert-pebble conglomerate
- CRETACEOUS (?)**
21 21a, fine- to coarse-grained, uneven textured, biotite granodiorite and biotite quartz monzonite; 21b, mainly hornblende and hornblende/biotite syenite, commonly porphyritic (potassium feldspar phenocrysts), uneven textured, mostly medium grained, locally fine or coarse grained; minor diorite
- 20 Orange to brown weathering diorite and gabbro; altered equivalents
- JURASSIC**
MIDDLE JURASSIC
19 Brown weathering, thin-bedded, brown siltstone, commonly limy; minor black shale and sandstone
- PRE-MIDDLE JURASSIC**
17 Grey and blue-grey, massive quartzite; minor slate and phyllite, commonly graphitic, argillaceous quartzite; 17a, thin-bedded and phyllitic quartzite, graphitic and chloritic slate and phyllite; minor limestone and massive quartzite
- POST DEVONIAN (?)**
14 Dark grey argillite, slate, and phyllite, commonly graphitic; thin-bedded dark grey quartzite, platy to phyllitic quartzite; minor phyllite and limy quartzite
- DEVONIAN TO CARBONIFEROUS**
MIDDLE DEVONIAN TO CARBONIFEROUS
13 Black shale, argillite, and slate, black platy limestone, chert; minor chert-pebble conglomerate and quartzite; 13a, brown weathering fine chert-pebble conglomerate and chert-grain sandstone
- DEVONIAN**
LOWER MIDDLE DEVONIAN
11 Limestone, dark grey, brown and black, massive to thin-bedded, very fine grained, buff grey weathering
- 10 Limestone and dolomite, light grey and dark brownish grey, fine to medium grained, mostly alternating dark and light beds 2 to 5 feet thick
- CAMBRIAN, ORDOVICIAN, AND SILURIAN**
8 Grey and buff weathering dolomite and limestone, mostly medium to thick bedded; minor platy black argillaceous limestone and dolomite (may include some 10 and 11); 8a, grey to dark grey weathering, dark volcanic rocks, many partly serpentinized, brown weathering grey-green limy tuff and argillite, and thin-bedded brown limestone
- CAMBRIAN**
MIDDLE (?) AND UPPER CAMBRIAN
7 Buff, brown, and grey weathering, thin- to medium-bedded, limestone, and grey weathering thin- to thick-bedded, dolomite; minor brown and green shale and orange weathering dolomite
- CAMBRIAN (?)**
5 Mainly brick red, thick-bedded to massive sandstone and red to buff massive conglomerate; minor red shale; local andesitic or basaltic flows and sills
- PRECAMBRIAN**
2 Orange weathering, platy, grey-green dolomite, dark slate; minor phyllite and quartzite; 2a, mainly black shale and slate, and platy sandstone; minor black limestone, quartzite, orange weathering dolomite and grey dolomite; 2b, buff weathering dolomite-boulder conglomerate; 2c, massive, cherty and quartzose, grey dolomite; thin-bedded, buff-weathering grey dolomite; minor black shale and white quartzite; 2d, buff, orange and pink dolomite, black shale; minor black limestone, red dolomite, green argillite, maroon quartzite and shale, and greenstone; 2e, dark grey, thinly laminated dolomite; minor black chert
- 1 Mainly dark grey, grey-green, and black, thin-bedded argillite, slate, and phyllite; minor grey quartzite, orange weathering dolomite, and conglomerate; 1a, grey weathering, thinly laminated, siliceous limestone
- METAMORPHIC ROCKS SOUTHWEST OF TINTINA TRENCH**
- A Reddish brown-weathering dark green serpentinized ultrabasic rocks
- B Mainly buff weathering, light pale green quartz-muscovite-chlorite schist, and schistose, chloritic quartzite, with all intermediate rock types also present; minor silvery muscovite schist, fine-grained quartz-biotite gneiss, thinly laminated quartz-graphite-sericite schist and quartzite, and sheared igneous rocks, primarily quartz-feldspar porphyries
- C Grey and grey-green, micaceous quartzite; dark grey, light grey and silvery quartz-mica schist; minor fine-grained quartz-biotite gneiss, graphitic schist and quartz-muscovite-chlorite schist, Ca, coarsely crystalline, whitish limestone
- D Dark weathering greenstone and banded amphibolite gneiss; minor chloritic quartz-mica schist, graphitic quartz-mica schist, quartzite, and limestone
- E Fine- to medium-grained, granitic textured, quartz-biotite gneiss; minor quartzite, quartz-mica and biotite-chlorite schist, and quartz-feldspar pegmatite
- MINERAL SYMBOLS**
- Antimony Sb Lead Pb
Asbestos asb Silver Ag
Gold placer Au Zinc Zn
Iron Fe
- Geology by L. H. Green and J. A. Roddick, 1961
Cartography by the Geological Survey of Canada, 1962
- Mean magnetic declination, 33° 27' East, decreasing 3' annually. Readings vary from 31° 53' E in the SW corner to 35° 07' E in the NE corner of the map area.



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MAP 13-1962
TO ACCOMPANY PAPER 62-7
GEOLOGY
DAWSON
YUKON TERRITORY



- LEGEND**
- Road, loose surface, all weather, dry weather
- Cart track
- Trail
- International boundary
- Power transmission line
- Building
- Horizontal control point
- Aerodrome
- Landing ground
- Seaplane base
- Intermittent stream
- Marsh
- Contours (interval 500 feet)
- Height in feet above mean sea-level
- Base-map by the Surveys and Mapping Branch, 1958
- Geographical names subject to revision

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JUL 31 1962
G. S. C.