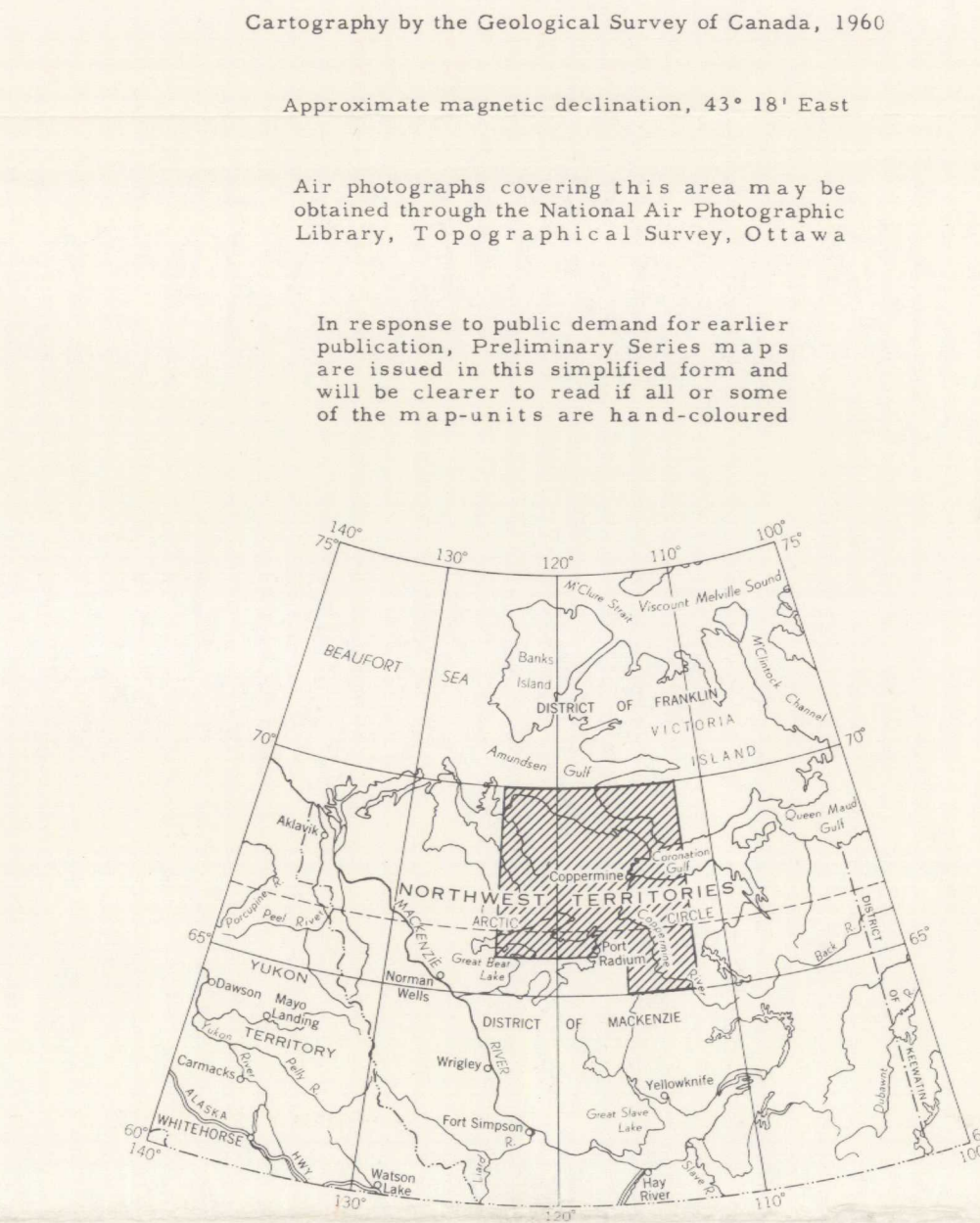


- LEGEND**
- MESOZOIC**
- 25 Soft grey and black shale; minor siltstone, grey limestone; thin coal seams
 - 24 Chert pebble conglomerate, pebbly sandstone
- PALAEZOIC**
- 22 Buff, grey, brown or mottled, vuggy dolomite; minor shale; 22a, dolomite with chert; 22b, petroliciferous dolomite; 22c, dolomite with intercalated red or green shale
 - 21 Red and green shale; minor black shale; may include some dolomite
 - 20 White, friable, gritty sandstone
 - 19 Muskox Complex: dunite, peridotite, pyroxenite, gabbro, granophyre
- COPPERMINE RIVER SERIES (12-17)**
- 17 Sandstone, quartzite, shale, dolomite, limestone (may include map-units 13, 14, 15, 16); 17a, sandstone, quartzite; 17b, shale; 17c, dolomite; 17d, limestone
 - 16 White, grey, or buff quartzite and sandstone; in part may include sandstone and quartzite of map-units 13 and 20
 - 15 Buff, grey, brown and red dolomite; minor limestone, shale; 15a, black or grey limestone; 15b, dolomite with interbedded shale
 - 14 Black and grey shale and argillite; red and green shale; commonly with intercalated dolomite; in part younger than 15, older than 13
 - 13 Red, white, and grey sandstone and quartzite
 - 12 Dark brown to purplish basaltic flows, commonly amygdaloidal
- HORNBY BAY GROUP (10-11)**
- 11 Buff, grey, brown, and red dolomite; stromatolites abundant in some strata; minor shaly dolomite in lower part
 - 10 Intercalated sandstone, quartzite, conglomerate
- CAMERON BAY GROUP**
- 9 Loosely consolidated conglomerate; argillite, impure quartzite, tuff, age relative to 8 uncertain
- EPWORTH FORMATION (5-8)**
- 8 Thick-bedded greywacke; black and red argillite, slate, phyllite; minor quartzite; 8a, slate, phyllite
 - 7 Buff, grey, and brown dolomite; stromatolites abundant in some strata
 - 6 White, grey, and reddish quartzite and sandstone; conglomeratic sandstone, dark red siltstone; 6a, red sandstone; may in part be younger than 8
 - 5 Massive and porphyritic dacite
- YELLOWKNIFE GROUP (1-2)**
- 4a, quartz-feldspar porphyry; near Great Bear Lake includes flows of Cameron Bay Group and flows and sediments of Echo Bay Group; 4b, sheared quartz-feldspar porphyry, augen-gneiss
 - 3 Massive and gneissic granitic rocks, possibly of more than one age; 3a, massive granite; 3b, porphyritic granite; 3c, hornblende granite, granodiorite; minor quartz diorite; 3d, granite-gneiss, migmatite; 3e, biotite-muscovite pegmatite; 3f, augen-gneiss, mylonite
 - 2 2a, greywacke; minor slate, phyllite, conglomerate; derived mica-quartz schist, hornblende-biotite schist, knotted schist; in part may include undifferentiated rocks of volcanic origin; 2b, slate, phyllite
 - 1 Intermediate to basic volcanic rocks and derived amphibolite; hornblende schist
- ARCHAICAN**
- A Meta-gabbro and massive amphibolite of uncertain origin; in part probably derived from sedimentary and volcanic rocks

- Geological boundary (defined or approximate, assumed)
- Limit of geological mapping
- Bedding (horizontal, inclined, overturned, vertical)
- Bedding (inclined, tops unknown)
- Schistosity, gneissosity, foliation (inclined, vertical, dip unknown)
- Lineation (inclined, plunge known, unknown; horizontal)
- Drag-fold (arrow indicates plunge)
- Fault (defined, approximate, assumed)
- Anticline
- Syncline
- Esker
- Fossil locality
- Mine
- Mineral prospect or occurrence
- Quartz vein or stockwork
- Symbols for Metals and Minerals**
- | | | | |
|---------------------|------|-----------|----|
| Coal | coal | Manganese | Mn |
| Copper | Cu | Nickel | Ni |
| Graphite | gf | Radium | Ra |
| Gypsum | gyp | Silver | Ag |
| Iron Oxide (gossan) | Fe | Uranium | U |
- Geology by B. G. Craig, W. L. Davison, J. A. Fraser, R. J. Fulton, W. W. Heywood, T. N. Irvine, 1959
- Descriptive Notes by J. A. Fraser
- Geological compilation of region bordering east side of Great Bear Lake includes data from published maps, references 1 and 2
- Cabin
- Falls and rapids
- Marsh
- Sand
- Height in feet above mean sea-level



GSC/CGC OTTAWA

00G 03017472

18-1960
E1/2
C12

DEPARTMENT OF MINES AND TECHNICAL SURVEYS

MAP 18-1960
GEOLOGY
NORTH-CENTRAL
DISTRICT OF MACKENZIE
NORTHWEST TERRITORIES

Scale: One Inch to Eight Miles = 1/506,880 Miles

8 4 0 8 16 24

G
3401
.C5
1956
G4
OMVSC