GEOLOGICAL SURVEY OF CANADA
DEPARTMENT OF ENERGY, MINES AND RESOURCES

PRELIMINARY SERIES

LEGEND

Map units 4, 5 and 6 not present in map-area.
For complete legend see Map 1285A, 1970

HELIKIAN OR LATER

- Hd — Diabase

APHEBIAN

- 8 — Coarse-grained biotite granite, pegmatite; /8, cut by dykes of granite, pegmatite *
- 7 — Quartz-feldspar-mica gneiss, minor hornblende-plagioclase gneiss
- Ah — HURWITZ GROUP (Ah) Orthoquartzite, in part ripple-marked; biotitic phyllite, minor amphibolite; impure, feldspathic and micaceous quartzite, minor conglomerate with granitic and quartz pebbles, sericite phyllite; Ah', glassy quartzite, mica schist, muscovite-feldspar-quartz schist
- Ad — Porphyritic diabase

PRECAMBRIAN

- 3 — Biotite adamellite, minor granodiorite, granite; commonly with microcline megacrysts
- 2 — Hornblende and biotite-hornblende tonalite, hornblende-biotite granodiorite; 2a, tonalite with numerous diorite inclusions; 2b, foliated or gneissic tonalite; 2ab, foliated impure tonalite with schlieren, lenses, and layers of amphibolitic or biotitic schist and gneiss; 2c, multicomponent tonalitic migmatite; predominantly (2ab) with numerous crosscutting granitoid veins and dykes; /2, cut by tonalite stockwork *
- 1 — Hornblende gabbro and diorite; 1a, mafic agmatite; contains numerous amphibolitic inclusions; 1c, layered norite, leucogabbro

ARCHEAN

- As — KAMINAK GROUP (Am, Ag, Av, Af, At, As) Slate, greywacke-siltstone, tuffaceous greywacke, subgreywacke, iron-formation; Asf, sediments (As) with minor intercalated felsic volcanic rocks (Af); As, biotitic phyllite, schist, derived from (As)
- Af, At — Predominantly felsic volcanic rocks; dacite, quartz latite flows, breccias, tuffs, derived phyllonite (Af), or predominantly tuff and agglomerate of intermediate composition (At)
- Am — Mafic volcanic rocks; basalt, andesite flows, in part pillowed; minor mafic tuff, agglomerate, pillow breccia; chloritic greenstone; Ag, gabbro intrusions, in part related to above; Av, undivided, or intimately intercalated, mafic, intermediate, and felsic flows and pyroclastic rocks (Am and Af and/or At); Avs, undivided, or intimately intercalated, volcanic and sedimentary rocks (Av and As); Am', predominantly amphibolitic greenstone, amphibolite, amphibole schist; in places intercalated with quartzofeldspathic schist (Av') and/or pelitic schist (Avs')

* For example: Am'/3 indicates hornblende schist and amphibolite of unit Am' cut by adamellite dykes of unit 3

- Drift
- Geological boundary (defined and approximate, assumed, gradational)
- Bedding, tops known (inclined, vertical, overturned, dip unknown)
- Bedding, tops unknown (inclined, vertical, dip unknown)
- Primary igneous layering
- Schistosity, cleavage, foliation (inclined, vertical, dip unknown)
- Gneissosity (inclined, dip unknown)
- Plunge of mineral lineation
- Plunge of minor fold axis
- Topographic lineament
- Fault (defined, assumed)
- Magnetite iron-formation (observed, deduced from aeromagnetic data)
- Carbonate iron-formation
- Axial trace of syncline
- Site of trenching and/or drilling
- Metallic mineral occurrence (chalcopyrite – cp, pyrite-pyrrhotite gossan – G)

Geology by A. Davidson, 1969

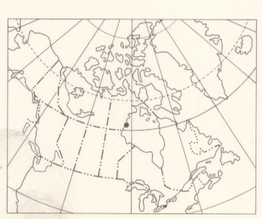
To accompany Paper 70-27 by A. Davidson

Geological cartography by the Geological Survey of Canada

Base-map produced by the Army Survey Establishment, R. C. E., 1963

Magnetic declination 1970, varies from 00° 31' easterly at the centre of the west edge to 04° 53' westerly at the centre of the west edge. Mean annual change decreasing 6.8'

Published, 1970



INDEX MAP

MAP 10-1970
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GEOLOGY

DAWSON INLET

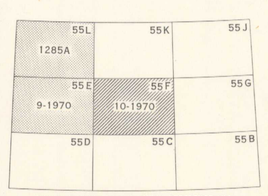
DISTRICT OF KEEWATIN

Scale 1:250,000

Miles 4 0 4 8 12 Miles

Kilometres 6 0 6 12 18 Kilometres

Printed by the Surveys and Mapping Branch



NATIONAL TOPOGRAPHIC SYSTEM REFERENCE AND INDEX TO GEOLOGICAL SURVEY OF CANADA MAPS

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