



GEOLOGICAL SURVEY OF CANADA
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

PRELIMINARY SERIES

LEGEND

APHEBIAN

16 Gabbro, diabase, meta-gabbro, and diorite dykes

HURWITZ GROUP (9 to 15)

14 Gabbro sills

15 Upper part of Hurwitz Group undivided, includes 10-13

13 Impure quartzite, quartz-sericite schist; minor siliceous dolomite and argillite

12 Greywacke; minor siltstone

11a Dolomite, argillite, siltstone; some greywacke (12) where undivided; 11a, quartz-jasper-hematite and quartz-magnetite iron formation

10 Slate, shale, siltstone; minor greywacke

9 Orthoquartzite; minor impure quartzite, pebble conglomerate; 9a, boulder conglomerate, greywacke conglomerate, and greywacke

8 8a, dominantly quartzite; minor dolomite and argillite; 8b, dolomite with interbedded quartzite, argillite, greywacke, or phyllite

7 Grey to pinkish grey granodiorite; white to pink granite, granite pegmatite; 7a, hornblende-biotite quartz diorite; 7b, hornblende monzonite; 7c, hornblende syenite or syenodiorite; in part younger than Hurwitz Group (9-15)

6 Foliated granite, gneissic granite and granodiorite; granite and granodiorite gneiss; probably derived from 1 and 2

5 Quartz-hornblende-biotite gneiss and schist; quartz-hornblende gneiss; migmatite; paragneiss; derived from volcanic and clastic rocks (1 and 2)

4 Quartz-biotite schist and gneiss; derived from clastic rocks (2)

3 Metavolcanic schists and gneiss; amphibolite; derived primarily from volcanic rocks (1)

2c Greywacke, subgreywacke, tuff, phyllite and argillite; minor volcanic rocks (1); 2a, dolomite, phyllite and argillite; 2b, quartz-mica schist, probably derived from tuff; 2c, quartz-magnetite iron formation

1 Andesite, dacite, gabbro, quartz latite, rhyolite and agglomerate; includes minor tuff (2); 1a, gabbro and meta-gabbro sills in volcanic rocks

Drift covered area

Geological boundary (defined, approximate)

Limit of geological mapping

Bedding, tops known (horizontal, inclined, overturned)

Bedding, tops unknown (inclined, vertical, dip unknown)

Schistosity, gneissosity, cleavage, foliation (inclined, vertical, dip unknown)

Lineation (inclined, inclined but plunge unknown)

Fault (defined, assumed)

Thrust fault (teeth in direction of dip; defined, assumed)

Joint (inclined, vertical)

Anticline (defined, approximate, arrow indicates plunge)

Syncline (defined, approximate, arrow indicates plunge)

Mineral occurrence

MINERALS

Arsenopyrite.....asp Pyrite.....py

Chalcopyrite.....cp Pyrrhotite.....po

Iron oxide (gossan)Fe

Geology by K. E. Eade, 1962, 1963, 1964

Geological cartography by the Geological Survey of Canada, 1965

Horizontal control point

Marsh

Rapids

Contours (interval 100 feet)

Height in feet above mean sea-level

Base-map (Watterson Lake, East Half) compiled and drawn by the Army Survey Establishment, R. C. E., 1961

Mean magnetic declination, 10° 24' East, increasing 1.0' annually. Readings vary from 9° 12' E in the SE corner to 11° 24' E in the NW corner of the map-area



INDEX MAP

