



GEOLOGICAL SURVEY OF CANADA
DEPARTMENT OF ENERGY, MINES AND RESOURCES

PRELIMINARY SERIES



LEGEND

- PROTEROZOIC ?
- 7 Diabase (Keweenaw ?)
 - 6 Foliated and massive granite and granodiorite and associated pegmatite, minor diorite, granitic and granodioritic gneiss; 6a, massive porphyritic granite; 6b, feldspar porphyry
 - 5 5a, syenite; 5b, serpentinite (relative ages not known)
 - 4 Granodioritic and granitic gneiss, includes some of unit 6
 - 3 3a, migmatite (interlayered biotite-garnet-quartz-feldspar schist and pegmatite granite); 3b, paragneiss (biotite-quartz-feldspar schist and gneiss), minor migmatite; may be same age or older than Savant Group (2a-d)
- ARCHEAN
- SAVANT GROUP AND EQUIVALENTS ?
 - 2 2a, conglomerate, minor agglomerate, greywacke, arkose; 2b, rhyolite, dacite and greenstone agglomerate and tuff, minor conglomerate, greenstone and iron-formation; 2c, slate, greywacke, arkose, iron-formation, quartzite, biotite schist, biotite-quartz-feldspar schist; 2d, dacite and rhyolite agglomerate and tuff, greenstone, meta-siltstone, phyllite, minor greywacke and iron-formation
 - GREENSTONE
 - 1 Mafic metavolcanic rocks (greenstone), minor metagabbro, amphibolite, rhyolite, dacite, metasediments and iron-formation; 1a, rhyolite and dacite tuffs and flows; 1b, dacite and associated coarse-grained intrusive (?) phases, diorite; 1c, amphibolite

- Heavily drift-covered area
- Rock outcrop
- Geological boundary (approximate, assumed)
- Bedding, tops known (inclined, vertical, overturned, dip unknown)
- Bedding, tops unknown (inclined, vertical, dip unknown)
- Foliation, schistosity (horizontal, inclined, vertical, dip unknown)
- Gneissosity, banding (inclined, vertical, dip unknown)
- Lineation of small folds; crenulations
- Lineament from air photographs
- Aeromagnetic anomaly ridge
- Aeromagnetic anomaly trough
- Fault (approximate, assumed)
- Glacial striae (direction of ice movement known, unknown)
- Mine or mineral prospect
- Iron-formation
- Sulphides

METALS

- Copper Cu Lithium Li
- Gold Au Molybdenum Mo
- Iron Fe Silver Ag
- Lead Pb Zinc Zn

Geology by R. Skinner 1964-66, and compilation of published maps of Ontario Department of Mines and Geological Survey of Canada

Geological cartography by the Geological Survey of Canada, 1969

This preliminary edition may be subject to revision and correction

Base-map compiled and drawn by the Surveys and Mapping Branch, 1963

Magnetic declination 1969 varies from 01° 13' easterly at centre of east edge to 03° 57' easterly at centre of west edge. Mean annual change increasing 0.5'

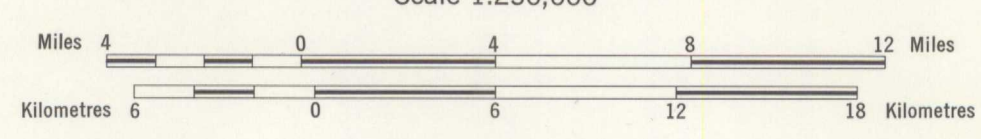
Elevations in feet above mean sea-level

Published, 1969
Copies of this map may be obtained from the Geological Survey of Canada, Ottawa



MAP 14-1968
PAPER 68-45
GEOLOGY
SIOUX LOOKOUT
ONTARIO

Scale 1:250,000



MAP LIBRARY / CARTOTHEQUE
ESIC CIST
OCT 8 1966
Earth Sciences Sector / Secteur des sciences de la Terre

DEPT. OF ENERGY, MINES & RESOURCES
OCT 17 1969
MAP LIBRARY

52 N	52 O	52 P
52 K	52 J	52 I
52 F	52 G	52 H

51-1960
14-1968
557A

NATIONAL TOPOGRAPHIC SYSTEM REFERENCE AND INDEX TO ADJOINING GEOLOGICAL SURVEY OF CANADA MAPS
SIOUX LOOKOUT
ONTARIO

G
34101
-C5
1956
G4

Printed by the Surveys and Mapping Branch

14-1968
52