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## BERESFORD GEOLOGICAL AND MINING SYMBOLS Geological boundary. —— Fault. \_\_\_\_ Lineament. ..... Colour boundary. Producing mine. O Past producing mine. REELMAN ▲ Mineral occurrence. The letter "G" preceding a rock unit number, for example G18, indicates interpretation from geophysical data. PRODUCING MINES AND QUARRIES 1. Copperfields Mining Corporation Ltd. . . . . . . Cu Falconbridge Nickel Mines Ltd. . . . . . . . Ni, Cu, etc 2. Falconbridge mine East mine International Nickel Company of Canada, Ltd., The.. Ni, Cu, etc Garson mine McLennan open pit MACKELCAN Stobie mine MCCARTHY 7. Stonefields Industrial Minerals, Ltd. . . . . st PAST-PRODUCING MINES 8. Falconbridge Nickel Mines Ltd.-Mount Nickel mine. . Ni, Cu, etc International Nickel Company of Canada, Ltd., The . Ni, Cu, etc Blezard mine Kirkwood mine Sheppard mine 12. Victor mine 13. Jonsmith Mines Itd . . . . . . . . . . . . . Ni, Cu, etc 14. New Golden Rose mine . MINERAL OCCURRENCES 17. Abex Mining Ltd. . . . . . . . . . . . . . . . Cu, Au, Ag, Co 18. Alwyn Porcupine Mines Ltd. . . . . . . . . 19. Andover Mining and Exploration Ltd . . . . . 21. Copper Prince Mines Ltd . . . . . . . . . . . . . . . . . Cu, Au 22. Dana township occurrence. . . . . . . . gt 23. Davis township, concession II, lot 2. . . . . WANAPITEI 24. Davis township, concession II, lot 13 25. Davis township, concession III, lot 7 26. Falconbridge township, concession IV, lots 7 and 8 Ni, Cu LAKE0. Norstar Lake mine . . 31. P.C.E. Explorations Ltd . . . 32. Rathbun township, concession IV, lot 2 . . . . 33. Skead mine . . Tomrose Mines Ltd . . . . SOURCES OF INFORMATION G.S.C. Map 155 A, Lake Huron " " 179 A, Onaping " " 872 A, Falconbridge " " 1363 , Sudbury O.D.M. " 41 e, Moose Mountain-Wanapitei Area 41 f, Janes, McNish, Pardo, Dana townships " 1955-1, Sudbury Basin Area ' 1957-6, Southeast Part of the Sudbury Area " 2009 , McLennan and Scadding townships " 2017 , Broder-Dryden townships Area " 2037 , Kelly and Davis townships " 2048 , Vogt-Hobbs Area " 2057 , Northwestern Timagami Area O.D.M. Vol. 45, pt.6, 1936: Geology of the Afton-Scholes Area O.D.M. Geological Report No.1, 1960: Uranium and Thorium Deposits at the Base of the Huronian System in the District of Sudbury. G.S.C. - O.D.M. Aeromagnetic Maps GIBBONS LOUGHRIN No. 1501G - Glen Afton No. 1502G - Lake Timagami No. 1511G - Capreol No. 1512G-- Milnet Unpublished maps by The International Nickel Company of Canada Ltd. Assessment work data on file at the Resident Geologist's offices at Sudbury and Kirkland Lake. Geological Compilation: by H.D. Meyn. 1956. Issued 1966.

ONTARIO DEPARTMENT OF MINES

PRELIMINARY GEOLOGICAL MAP No.P.367

# CAPREOL SHEET

DISTRICTS OF SUDBURY AND NIPISSING

Geological Compilation Series

Scale 1 inch to 2 miles

N.T.S. Reference 41 1/NE

G.S.C. Aeromagnetic Maps: 1501G, 1502G, 1511G, 1512G

### LEGEND

Sudbury-Cobalt Compilation Series

PLEISTOCENE AND RECENT Sand, gravel, clay (larger areas only)

UNCONFORMITY

PALEOZOIC ORDOVICIAN AND SILURIAN

Guelph, Lockport-Amabel Clinton, Cataract Queenston; Wekwemikonsing Dolomite, limestone, shale

PRECAMBRIAN

KEWEENAWAN AND MATACHEWAN

Diabase a

INTRUSIVE CONTACT

KILLARNEAN (GRENVILLE) Gneiss, granite, pegmatite, amphibolite, diorite-amphibolite, migmatite, metasediments

Granophyre

Quartz diorite

INTRUSIVE CONTACT (?)

METAMORPHIC AND INTRUSIVE CONTACT

Gabbro, diabase (Nipissing diabase) Metagabbro, amphibolite (Sudbury gabbro) INTRUSIVE CONTACT (?)

MAFIC INTRUSIVE ROCKS b

HURONIAN SYSTEM

Lorrain Formation

Quartzite, arkose, siltstone, conglomerate Gowganda Formation

12 Conglomerate, argillite, arkose

BRUCE GROUP

Serpent Formation

Quartzite, conglomerate Espanola Formation

Limestone, greywacke

Bruce Formation

Conglomerate, greywacke

Mississagi Formation

Quartzite, arkose, argillite, conglomerate

UNCONFORMITY (?)

UNCLASSIFIED ROCKS (SUDBURY GROUP, WHITEWATER GROUP)

10

O Red Cedar 5

BADGEROW

Conglomerate, (Ramsay Lake) Greywacke, slate, schist (McKim, Chelmsford, Onwatin) Limestone

Volcanics (Onaping Tuff)

UNCONFORMITY

SILICIC INTRUSIVE ROCKS (ALGOMAN) C

Undifferentiated

Granite, syenite Quartz monzonite, granodiorite

Migmatite, quartzo-feldspathic gneiss

MAFIC AND ULTRAMAFIC INTRUSIVE ROCKS (HAILEYBURTAN)

Undifferentiated Gabbro, diorite

Peridotite, dunite, pyroxenite, altered equivalents

INTRUSIVE CONTACT

SEDIMENTARY ROCKS (TIMISKAMING) Conglomerate, greywacke, slate

UNCONFORMITY

SEDIMENTARY ROCKS (KEEWATIN) Conglomerate, greywacke, tuff, amphibolite

Iron Formation

MAFIC VOLCANIC ROCKS (KEEWATIN) Undifferentiated Andesite, basalt

Interflow sedimentary rocks

Iron Formation

SILICIC AND INTERMEDIATE VOLCANIC ROCKS (KEEWATIN)

Rhyolite, trachyte, pyroclastic rocks

Not shown.

May include some Archean mafic intrusions.

May include some post-nickel irruptive intrusions.

All rock units are not shown on this sheet.