



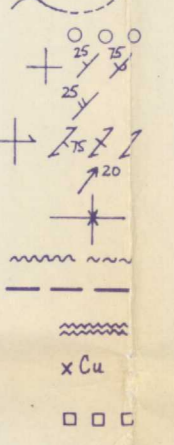
- IAN CALDER LAKE**
- Quaternary
 Q Gravel, sand, silt; unconsolidated
- Neohelikian
 Diabase (Mackenzie dyke)
- Aphebian
 Montresor Group
 AMa Meta-arkose, impure quartzite; grey or pink, medium grained, locally micaceous; medium to thick bedded, locally crossbedded; dark, fine grained biotite-(muscovite)-rich metapelitic interbeds especially abundant in lower part; calcareous quartzitic and metapelitic lenses common near base and rare elsewhere; rare quartz- and granite-pebble metaconglomerate at W end of belt
 AMm Tremolite-quartz-dolomite marble, calc-silicate rock; white, grey or buff, medium grained; grades upward into calcareous metapelite of basal AMa
 AMo Orthoquartzite; white, medium grained, recrystallized; locally muscovite- and/or feldspar-bearing
 Chantrey Group (?)
 ACm Diopside-tremolite-calcite-dolomite marble, calc-silicate rock, with quartzose layers; medium grained
 ACos Orthoquartzite; white, medium grained, highly strained, locally fuchsitic; subordinate muscovite-biotite schist, locally calcareous
 ACcs Metaconglomerate; stretched and recrystallized quartz clasts in a (chlorite-biotite)-muscovite schist matrix; subordinate muscovite-biotite schist
 Aphebian and/or Archean
 Aam Amphibolite, metagabbro; fine to coarse grained, foliated to massive; locally with biotite and/or two amphiboles
 Archean
 Ams Muscovite-biotite schist and phyllite, cordierite-andalusite-biotite-muscovite schist, actinolite-bearing orthoquartzite, calc-silicate rock, dolomite marble
 Aprp Granite; gneissic to massive, K-feldsparphyric, pink; locally magnetite-rich; contains inclusions of Aagn
 Agr Garnet-muscovite granite; white or pink; coarse grained; veined by pegmatite
 Agn Hornblende-biotite granodiorite-diorite, gneissic to massive; grey biotite gneiss; subordinate pink K-feldspar augen gneiss
 Agn Hornblende-biotite granodiorite gneiss with K-feldspar augen; pink; medium to coarse grained; locally grading into massive porphyritic granitoid rock; commonly mafic, locally mylonitic; rare schistose lenses and fragments of metasedimentary rock; subordinate layered gneiss, leucogneiss and migmatite; pegmatite veins locally abundant
 Agpn (Clinopyroxene-orthopyroxene-hornblende-biotite) tonalite gneiss, locally retrograded; garnet-biotite gneiss, (hornblende-)biotite gneiss
 Ahgn Hornblende-biotite granodiorite gneiss, biotite granodiorite-granite gneiss, amphibolite sheets and lenses (metadykes?); mainly grey; very well layered; commonly mylonitic, boudinaged and isoclinally folded; subordinate (fibrolite)-muscovite-biotite granodiorite, gneissic to massive, white; Aagn highly strained, straight gneiss equivalents of Agn

Bedrock geology by T. Frisch and assistants, 1982, 1984
 Distribution of Quaternary deposits after Geological Survey of Canada Map 10-1981
 Compiled by T. Frisch, 1988

- CAPE BARCLAY and DARBY LAKE**
- Quaternary
 Q Gravel, sand, silt; unconsolidated
- Neohelikian
 Diabase (Mackenzie dyke)
- Aphebian
 Chantrey Group
 ACc Metaconglomerate with stretched pebbles (locally boulders) of quartz and granitoid rock in a chlorite-muscovite-biotite schist matrix; gneissic quartzofeldspathic and mafic clasts in a gneissic matrix occur at the margins of the belt
 ACp Pelitic, pyritiferous, biotite-muscovite schist with porphyroblasts of biotite, andalusite and garnet; dark grey, locally rusty weathering
 ACo Orthoquartzite, quartzite, locally micaceous and hematitic; white, pink or grey, medium grained; commonly massive to thick bedded; rare cross-bedding and ripple marks; impure sandy and fibrolite-garnet-andalusite-bearing pelitic interbeds in Chantrey Inlet; includes garnet+Fe amphibole-bearing, iron-rich metasandstone in middle part of belt
 ACs Metasiltstone/mudstone ((andalusite-garnet)-muscovite-biotite schist); finely laminated
 ACq Impure quartzite, micaceous to schistose quartzite, locally fuchsitic; minor schist and schistose metaconglomerate; rare crossbedding and ripple marks
 ACm Marble, siliceous marble, calc-silicate rock; includes calcareous metamudstone/siltstone at SW end of belt; locally stromatolitic and diopside- and tremolite-rich
 Aphebian or Archean
 As Pelitic muscovite-biotite schist, commonly containing garnet and fibrolite, locally accompanied by andalusite, cordierite and/or staurolite; subordinate psammitic muscovite-biotite schist, impure quartzite and quartz-eye schist (acid metavolcanic); minor quartz- and granite-pebble metaconglomerate, metagabbro and sulphide facies magnetite-bearing iron formation
 Am Diopside-tremolite-calcite-dolomite marble, calc-silicate rock
 Archean
 Aam Amphibolite; fine to medium grained, foliated
 Agpn Orthopyroxene-garnet-biotite gneiss; garnet-orthopyroxene-biotite granite with phenocrysts of perthite; locally retrograded; subordinate (cordierite)-garnet-biotite gneiss
 Agn Biotite granodiorite gneiss; granodiorite gneiss with augen of K-feldspar, locally hornblende-biotite rich; subordinate migmatite and massive granitoid rock; locally mylonitic; pegmatite veins locally abundant

Bedrock geology by T. Frisch and assistants, 1984
 Distribution of Quaternary deposits after Geological Survey of Canada Maps 7-1981 and 8-1981
 Compiled by T. Frisch, 1988

- Geological boundary (defined, approximate)
 Geological boundary, inferred from aeromagnetic data
 Bedding, tops known (horizontal, inclined, overturned)
 Bedding, tops unknown (inclined)
 Gneissosity, foliation (horizontal, inclined, vertical, dip unknown)
 Fold axis, plunge
 Syncline
 Fault (defined, approximate)
 Major fault (zone)/aeromagnetic break (approximate)
 Mylonite (zone)
 Mineral occurrence (Cu - copper, Aprp - arsenopyrite, Fe - magnetite iron formation)
 Diabase dyke inferred from aeromagnetic data



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