Topographic Features

supra-glacial till — Hts

blue ice — ice — snow & ice

water — water (seasonal)

sea — sea

ice shelf — Ice shelf

? — area known to be outcropping rock or cover deposits, exact nature of which is unknown

Cover deposits

Qc — colluvium and scree

Local tills
local alpine and valley tills

Holocene local glacier till — Htl

undifferentiated local glacier till — Qtl

Qt — undifferentiated till of uncertain origin (Qt)

Ice Sheet deposits
tills on ice sheet margins

Holocene ice sheet margin till — Hti

undifferentiated ice sheet margin till — Qti

Volcanics

Pb — basalt and basanite (Pb) dikes, cinder cones and lava flows, in scattered volcanic centres

Mt Avers (basanite)
Mt Perkins (basalt)
Recess Nunatak (basanite)

REGIONAL UNCONFORMITY

Fosdick granite-migmatite complex

METAMORPHISM & DEFORMATION
Core Complex

Kgs — Sheeted leucogranites (Kgs) within the Fosdick Mountains, genetically related to the Byrd Coast Granite

Kgm — Undifferentiated migmatite

Kgf — Migmatitic garnet-bearing granodiorite orthogneiss, granulite facies

Ksp — Migmatitic cordierite-sillimanite-garnet gneiss and biotite-quartz-feldspar gneiss, granulite facies, Swanson Formation protolith

Early Cretaceous A-type plutonism

Kgb — Byrd Coast Granite (Kgb). Alkalic to calc-alkaline granites and mafic dikes within the Ross Province

Kvr — Rhyolite flows and felsic dikes (Kvr)

Ruppert Coast Volcanics

Dvd — Andesite dacite rhyolite tuff, lava, agglomerate volcaniclastics (Dvr)

FORD GRANODIORITE SUITE

Paleozoic calc-alkaline metaluminous to peraluminous plutonic rocks (Dgf) within the Ross Province

Ford Granodiorite (Dgg)
Plutons of grey, or black and white, coarse equigranular, biotite-bearing granodiorite, monzogranite and rare tonalite with accessory apatite, zircon, allanite, and rare tourmaline

Dgf
Dgg

METAMORPHISM & DEFORMATION

Wilkins Formation

Dws — Quartzofeldspathic sandstone-siltstone containing carbonized plant fossils

Sandstone erratics with Middle to early Late Devonian plant fossils

FOLDING & REGIONAL METAMORPHISM (450-421Ma)

Swanson Formation

Osg — Metagreywacke and siltstone, with lesser amounts of quartzite, biotite schist. Turbidite flysch sequences, folded and metamorphosed to subgreenschist-greenschist facies.

HOLOCENE
PLEISTOCENE
QUATERNARY
PLIOCENE
MIOCENE
OLIGOCENE
EOCENE
PALEOCENE
CRETACEOUS
JURASSIC
TRIASSIC
PERMIAN
CARBONIFEROUS
DEVONIAN
SILURIAN
ORDOVICIAN
CAMBRIAN & PROTEROZOIC