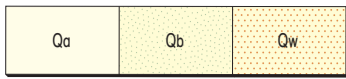


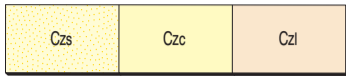
PHANEROZOIC

CAINOZOIC

QUATERNARY



Qa Alluvium — unconsolidated silt, sand, and gravel  
 Qb Black soil — clay and silt  
 Qw Alluvium and colluvium — sheet wash deposits, red-brown sandy and clayey soil



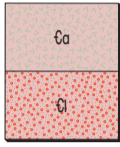
Czs Colluvium and alluvium — partly consolidated silt, sand, and gravel; adjacent to drainage; sand plain on laterite surface  
 Czc Colluvium — partly consolidated scree and valley-fill deposits  
 Czl Laterite — massive and pisolitic ferruginous duricrust; forms plateaus overlying weathered rock (Eg—granitoid); steep breakaways commonly form at the margins



Quartz veins, of various ages; youngest generation postdates Cambrian units

PALAEZOIC

CAMBRIAN



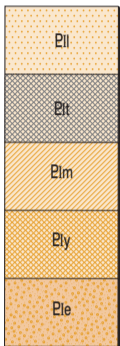
ANTRIM PLATEAU VOLCANICS: dark grey vesicular and amygdaloidal basalt; generally deeply weathered

LALLY CONGLOMERATE: medium- to coarse-grained quartz sandstone and cobble conglomerate

PROTEROZOIC

c. 670 Ma

Louisa Downs Group



LUBBOCK FORMATION: grey, green, or purple siltstone and shale; interbedded with fine- to medium-grained quartz wacke

TEAN FORMATION: feldspathic sandstone, quartz wacke, quartz sandstone, pebble conglomerate, siltstone, and shale; minor dolomite

McALLY SHALE: black, grey, and green shale; minor siltstone and fine- to very fine-grained sandstone

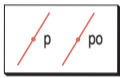
YURABI FORMATION: flaggy to blocky quartz sandstone and feldspathic sandstone; grey and purple siltstone, shale, dolomitic siltstone, and sandy dolomite

EGAN FORMATION: tillite, arkose, dolomite, limestone, sandstone, siltstone, and shale



Dolerite dyke

c. 1740 Ma



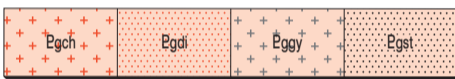
Veins and dykes: p—pegmatite; po—rhyolite porphyry

c. 1780 Ma

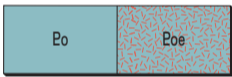


SAN SOU MONZOGRANITE: medium- to fine-grained biotite monzogranite; scattered fine-grained mafic inclusions

c. 1820 Ma



Egch MOUNT CHRISTINE GRANITOID: coarsely porphyritic to medium-grained biotite monzogranite; hornblende-biotite granodiorite and tonalite; locally foliated  
 Egd DILLINGER MONZOGRANITE: medium- to fine-grained, leucocratic biotite monzogranite; abundant mafic inclusions adjacent to contacts with gabbro  
 Eggy GRIMPY MONZOGRANITE: weakly porphyritic, fine-grained biotite monzogranite  
 Egst LOADSTONE MONZOGRANITE: weakly porphyritic biotite monzogranite and syenogranite; minor microgranodiorite



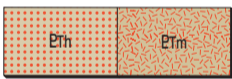
Eo Undivided porphyritic to even-grained, medium- to fine-grained gabbro, tonalite, pyroxenite, and hornblende; extensively veined by granitoid rocks locally  
 Eoe EMULL GABBRO: medium- to fine-grained gabbro and tonalite extensively veined by DILLINGER MONZOGRANITE, aplite, quartz-feldspar porphyry, and pegmatite

c. 1840 Ma



KOONGIE PARK FORMATION: metamorphosed laminated fine sandstone; felsic volcanoclastic rocks, and minor carbonate

Tickalara Metamorphics



ETh Quartz-muscovite-biotite-cordierite hornfels  
 ETm Migmatitic quartz-plagioclase-muscovite-biotite-(sillimanite)-andalusite-cordierite-(chlorite) pelite and amphibolite



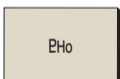
WOODWARD DOLERITE: fine- to medium-grained metadolerite



Quartz-K-feldspar-biotite-cordierite-sillimanite pelitic hornfels; locally retrogressed to quartz-muscovite-biotite-chlorite-(sillimanite) pelitic schist

c. 1855 Ma

Halls Creek Group



OLYMPIO FORMATION: low- to medium-grade metamorphosed, thin- to medium-bedded quartz-muscovite (-biotite-chlorite-andalusite-garnet) pelitic rocks and turbiditic quartz wacke, greywacke, and arkosic psammitic rocks



Metamorphosed thick-bedded, turbiditic quartzitic sandstone, and minor pelite



Butchers Gully Member: metamorphosed and altered alkaline volcanic and volcanoclastic rock, chloritic with carbonate-rich matrix, ferruginous chert



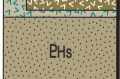
Metamorphosed chert, locally ferruginous



BISCAY FORMATION: metamorphosed basaltic volcanic and volcanoclastic rock; minor dolerite sills, and interbedded pelite; carbonate and chert lenses



Metamorphosed interbedded sandstone and argillite



Metamorphosed basaltic volcanic and volcanoclastic rock with carbonate-rich matrix



SAUNDERS CREEK FORMATION: metamorphosed quartz sandstone, feldspathic sandstone, and quartz pebble conglomerate

c. 1910 Ma



Egju JUNDA MICROGRANITE: partly recrystallized, fine-grained leucocratic monzogranite  
 Eges ESAW MONZOGRANITE: partly recrystallized, garnet-muscovite granite



DING DONG DOWNS VOLCANICS: amygdaloidal metabasalt and amphibolite; minor pelite and metagabbro



Pelite and cordierite-bearing quartzo-feldspathic rock



Metagabbro; minor meta-anorthosite