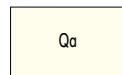


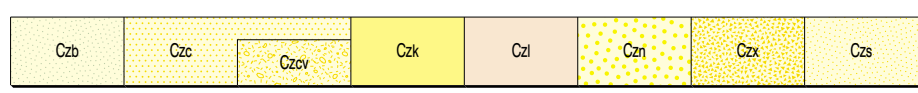
PHANEROZOIC

CAINOZOIC

QUATERNARY



Qa Alluvium — unconsolidated silt, sand, and gravel



Czb Black soil — clay and silt; includes swelling clay soil on basalt  
 Czc Colluvium and rubble — sand, gravel, conglomerate, and sedimentary breccia forming sheetwash fans and scree slopes  
 Czcv Colluvium and alluvium — clay, silt, sand, and gravel forming dissected valley-fill deposits  
 Czkl Calcrete — sheet carbonate associated with alluvium, and colluvium  
 Czl Laterite — massive and pisolitic ferruginous duricrust  
 Czn Unconsolidated and partly consolidated sandplain deposits  
 Czx Landslip breccia  
 Czs Colluvium and alluvium — partly consolidated clay, silt, sand, and gravel; adjacent to drainage; includes calcrete locally



q Quartz vein

PALAEZOIC

LATE DEVONIAN

FRASNIAN

BOOMERANGIAN-TEMPLETONIAN

MIDDLE CAMBRIAN

ORDIAN

EARLY CAMBRIAN

Maahony Group

Elder Subgroup

Goose Hole Group

Negri Subgroup



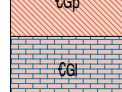
DMg GLASS HILL SANDSTONE: medium- to fine-grained quartz arenite; minor pebbly sandstone, conglomerate, and siltstone



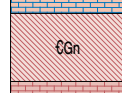
CGo OVERLAND SANDSTONE: white, fine- to medium-grained lithic arkose



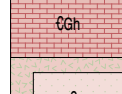
CGe EAGLE HAWK SANDSTONE: fine-grained, micaceous, feldspathic sandstone; minor siltstone



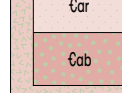
CGp PANTON FORMATION: siltstone and mudstone; minor feldspathic sandstone, and limestone



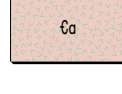
CGI LINNEKAR LIMESTONE: laminated micritic limestone, shale, and calcareous shale; contains chert, stromatolites, and microfossils locally



CGn NELSON SHALE: purple siltstone and mudstone; minor feldspathic sandstone



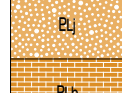
CGh HEADLEYS LIMESTONE: grey massive to laminated limestone; contains minor chert and stromatolites locally



Car Blackfella Rockhole Member: fine-grained basalt and basaltic breccia



Cab Bingy Bingy Member: glomeroporphyritic basalt



Ca ANTRIM PLATEAU VOLCANICS: massive or amygdaloidal, locally porphyritic basalt and basaltic breccia; includes thin interbeds of sandstone, siltstone, and stromatolitic chert

PROTEROZOIC

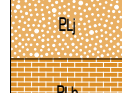
Albert Edward Group

Duerdin Group

Ruby Plains Group



ELy NYULESS SANDSTONE: quartz sandstone and lithic sandstone; minor siltstone and conglomerate



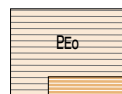
ELj TIMPERLEY SHALE: grey-green mudstone and siltstone; minor sandstone



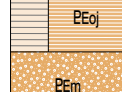
ELb BOONALL DOLOMITE: yellow or grey laminated dolomite, dolorudite, and argillite



ELe ELVIRE FORMATION: thin-bedded argillite; minor quartz sandstone



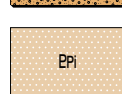
ELo MOUNT FORSTER SANDSTONE: fine- to medium-grained quartz sandstone; minor pebbly sandstone and conglomerate



EEO RANFORD FORMATION: thin-bedded siltstone and mudstone, and thin- to thick-bedded greywacke, lithic sandstone, quartz sandstone, dolomitic quartz sandstone, and dolomite



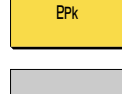
Jarrad Sandstone Member: thin- to thick-bedded, fine- to medium-grained, dolomitic sandstone and quartz sandstone; siltstone and mudstone



EEm MOONLIGHT VALLEY TILLITE: massive, matrix-supported, polymictic pebble- to boulder-conglomerate, and poorly sorted, massive sandstone; larger clasts in conglomerate are polished and striated locally



EEI FARGOO TILLITE: matrix-supported, polymictic pebble- to boulder-conglomerate, and sandstone; clasts in conglomerate are polished and striated locally



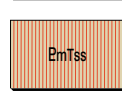
EPI ILLJARRA SANDSTONE: lithic sandstone; minor siltstone and dolomite (section only)



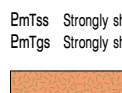
EPE ELIOT RANGE DOLOMITE: dolomitic mudstone, siltstone, and sandstone



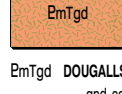
EPK MOUNT KINAHAN SANDSTONE: quartz sandstone



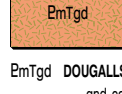
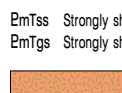
EK RED ROCK FORMATION: fine- to coarse-grained lithic quartz-sandstone, pink feldspathic quartz sandstone, pebbly sandstone, conglomerate, siltstone, mudstone, basalt flows, and basaltic breccia.



EKc Carbonate rock

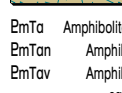
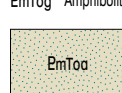
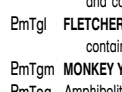


EKb Massive to amygdaloidal basalt flows and basaltic breccia



EmTss Strongly sheared rocks; mylonitized

EmTgs Strongly sheared granitoid rock; mylonitized

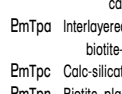


EmTgd DOUGALLS TONALITE: foliated and metamorphosed hypersthene-hornblende-biotite tonalite; abundant pyroxene amphibolite and country rock inclusions

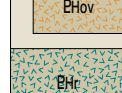
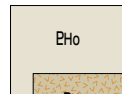
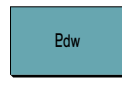
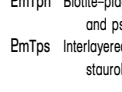
EmTgl FLETCHER CREEK MONZOGRANITE: foliated and metamorphosed, leucocratic, biotite-muscovite(-garnet-magnetite) monzogranite; contains rounded- to angular-inclusions of amphibolite and country rock

EmTgm MONKEY YARD TONALITE: foliated and metamorphosed hornblende-biotite(-epidote) tonalite; epidote amphibolite inclusions

EmTog Amphibolite and dioritic to gabbroic granulite; cut by abundant veins of metatonalite and metatrandhjemite



EmToa Amphibolite; garnet- or clinopyroxene-bearing; relict primary layering and gabbroic textures



EmTa Amphibolite; epidote-, garnet-, or clinopyroxene-bearing

EmTan Amphibolite; interlayered with migmatitic pelitic, psammitic, and calc-silicate gneiss, includes epidote, garnet, or clinopyroxene

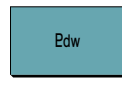
EmTav Amphibolite; containing local pillows and fragmental volcanic textures with interstitial carbonate; interlayered with pelite, psammitic, calc-silicate rock, and marble

EmTpa Interlayered pelite and psammitic, with banded iron-formation, calc-silicate rock, and marble; minor amphibolite; includes crenulated garnet-biotite-muscovite-quartz schist and garnet-chlorite-muscovite-quartz schist

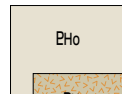
EmTpc Calc-silicate and marble; minor banded iron-formation, quartzite, and amphibolite

EmTpn Biotite-plagioclase-quartz(-K-feldspar-sillimanite-garnet-cordierite) migmatitic pelitic gneiss; numerous layers and pods of amphibolite and psammitic gneiss

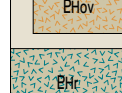
EmTps Interlayered pelite and psammitic, with banded iron-formation, calc-silicate rock, and marble; minor amphibolite; includes sillimanite-garnet-staurolite-biotite-plagioclase-quartz schist and sillimanite-biotite-muscovite-quartz schist



Edw WOODWARD DOLERITE: medium- to coarse-grained metadolerite



EHo OLYMPIO FORMATION: metamorphosed (low- to medium-grade) thin- to very thick-bedded, fine- to coarse-grained, turbiditic, lithic sandstone, greywacke, quartz wacke, and arkosic sandstone; siltstone and mudstone; minor pebbly sandstone



Maude Headley Member: metamorphosed andesitic to trachytic volcanic and volcanoclastic rock with carbonate-rich matrix; minor ferruginous chert



EHC BISCAVY FORMATION: metamorphosed (low- to medium-grade) basaltic volcanic rock and sedimentary rock; minor metadolerite sills



EHCb Metamorphosed basaltic volcanic and volcanoclastic rock; minor pelite and metadolerite; carbonate and chert lenses

(all units may be extensively veined by granitoid material)

Central zone

Lambao Complex

Eastern zone

ORD BASIN

WOLFE CREEK BASIN

RED ROCK BASIN