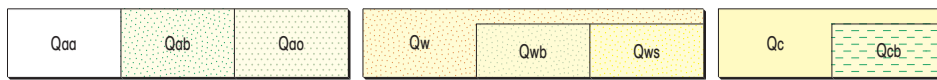


PHANEROZOIC

CENOZOIC

QUATERNARY



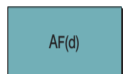
Qaa Alluvial sand and gravel in rivers and creeks; clay, silt, and sand in channels on floodplains
 Qab Alluvial sand, silt, and clay in floodplains, with gilgai surface in areas of expansive clay
 Qao Alluvial sand, silt, and clay in floodplains
 Qw Sheetwash sand, silt, and clay in distal outwash fans
 Qwb Sheetwash sand, silt, and clay in distal outwash fans, with gilgai surface in areas of expansive clay
 Qws Sheetwash quartzofeldspathic sand
 Qc Colluvium — sand, silt, and gravel in outwash fans and scree slopes
 Qcb Colluvial clay, silt, and rock fragments derived from mafic rock, with gilgai surface in areas of expansive clay



Czag Alluvial gravel deposits, dissected by recent drainage
 Czak Alluvial calcrete; includes massive, nodular, and cavernous limestone; variably silicified
 Czwb Sheetwash deposits, with gilgai surface in areas of expansive clay; dissected by recent drainage
 Czc Colluvium, dissected by recent drainage
 Czcb Colluvium, dissected by recent drainage, with gilgai surface in areas of expansive clay
 Czcd Colluvium, derived from dolerite or basalt, dissected by recent drainage
 Czcf Residual ferricrete; includes ferruginous and pisolitic ironstone; dissected by recent drainage
 Czrk Residual calcrete; includes massive, nodular, and cavernous limestone; variably silicified; dissected by recent drainage



d Dolerite and gabbro dykes; interpreted from aeromagnetic data where dashed

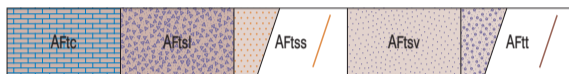


AF(d) Dolerite



AFm **MADDINA FORMATION:** massive, vesicular, and amygdaloidal basalt and basaltic andesite, with minor andesite, dacite, and rhyolite
 AFmbi Basaltic andesite with minor basalt and andesite
 AFmfi Andesite and dacite

c. 2717 Ma¹



TUMBIANA FORMATION

AFtc **Meentheena Member:** dark grey, siliceous, stromatolitic dolomite and limestone, carbonate-rich tuffaceous sedimentary rock, mudstone, and siltstone
 AFtsl Siltstone and tuff
 AFtss Sandstone and siltstone
 AFtsv Volcaniclastic sandstone with minor tuff and carbonate rock
 AFtt Tuff and tuffaceous siltstone, commonly with accretionary lapilli; local intermediate coarse tuff and agglomerate

c. 2719 Ma²

Mount Bruce Supergroup

Fortescue Group



AFkf Andesite, dacite, minor basalt, rhyolite, and dolerite



AFk **KYLENA FORMATION:** massive or amygdaloidal basalt, basaltic andesite, and dacite; local high-Mg basalt and rhyolite



AFkbm High-Mg basalt



AFhy **Lyre Creek Member:** felsic tuff and agglomerate, and volcaniclastic sandstone and conglomerate with acid to intermediate rock clasts; local abundant accretionary lapilli



AFhyr Rhyolite and rhyolitic tuff



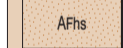
AFhj **Coolajacka Member:** fine-grained ultramafic lava; abundant quartz xenocrysts



AFhs Medium- to coarse-grained, poorly sorted sandstone, siltstone, and minor shale and conglomerate; local felsic tuff



AFhc Polymictic conglomerate



AFhtt Felsic tuff



AFh **HARDEY FORMATION:** sandstone, conglomerate, siltstone, shale, and tuff



APr **MOUNT ROE BASALT:** massive, vesicular, and glomeroporphyritic basalt

c. 2760 Ma³

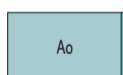
c. 2770 Ma^{3 4}

Pilbara Supergroup

De Grey Group



AD Undivided; sandstone, conglomerate, siltstone, shale, and wacke; metamorphosed (Section only)



Ao Gabbro and dolerite; metamorphosed



Aod Metadolerite



Aol Leucogabbro; metamorphosed



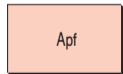
Aux Pyroxenite, metamorphosed (Section only)



AgC **CHERRATTA GRANITOID COMPLEX:** syenogranite to tonalite; locally porphyritic and typically foliated; gneissic granitoid contains mafic xenoliths (Section only)
 AgCm Syenogranite and monzogranite; locally biotite-rich, foliated

c. 3000 Ma²

Pilbara Supergroup (no stratigraphic subdivision)



Apf Quartz-feldspar porphyry, rhyolite, and dacite; chiefly intrusive; metamorphosed

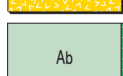


Acw Chert, grey and white banded



Aft Felsic tuff; rhyolitic to andesitic composition; metamorphosed

c. 3120 Ma^{5 6 7 8}



Ab Basaltic rock, undivided; metamorphosed
 Aba Amphibolite; after basaltic rock (Section only)



Au Ultramafic rock, undivided; metamorphosed

ARCHAEOAN

HAMERSLEY BASIN

PILBARA CRATON