

- Qaa Alluvial sand and gravel in rivers and creeks; clay, silt, and sand in channels on floodplains
- Qac Claypan deposits on floodplains
- Qao Alluvial sand, silt, and clay in floodplains
- Qab Alluvial sand, silt, and clay in floodplains, with gilgai surface in areas of expansive clay
- 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
- Qc Colluvium — sand, silt, and gravel in outwash fans and scree
- Qcb Colluvium derived from mafic rock, with gilgai surface in areas of expansive clay
- Qcd Scree material composed of dolerite fragments
- Qrg Eluvial sand over granitoid rocks
- Qs Eolian sand — red-yellow wind-blown sand; local sand ridges

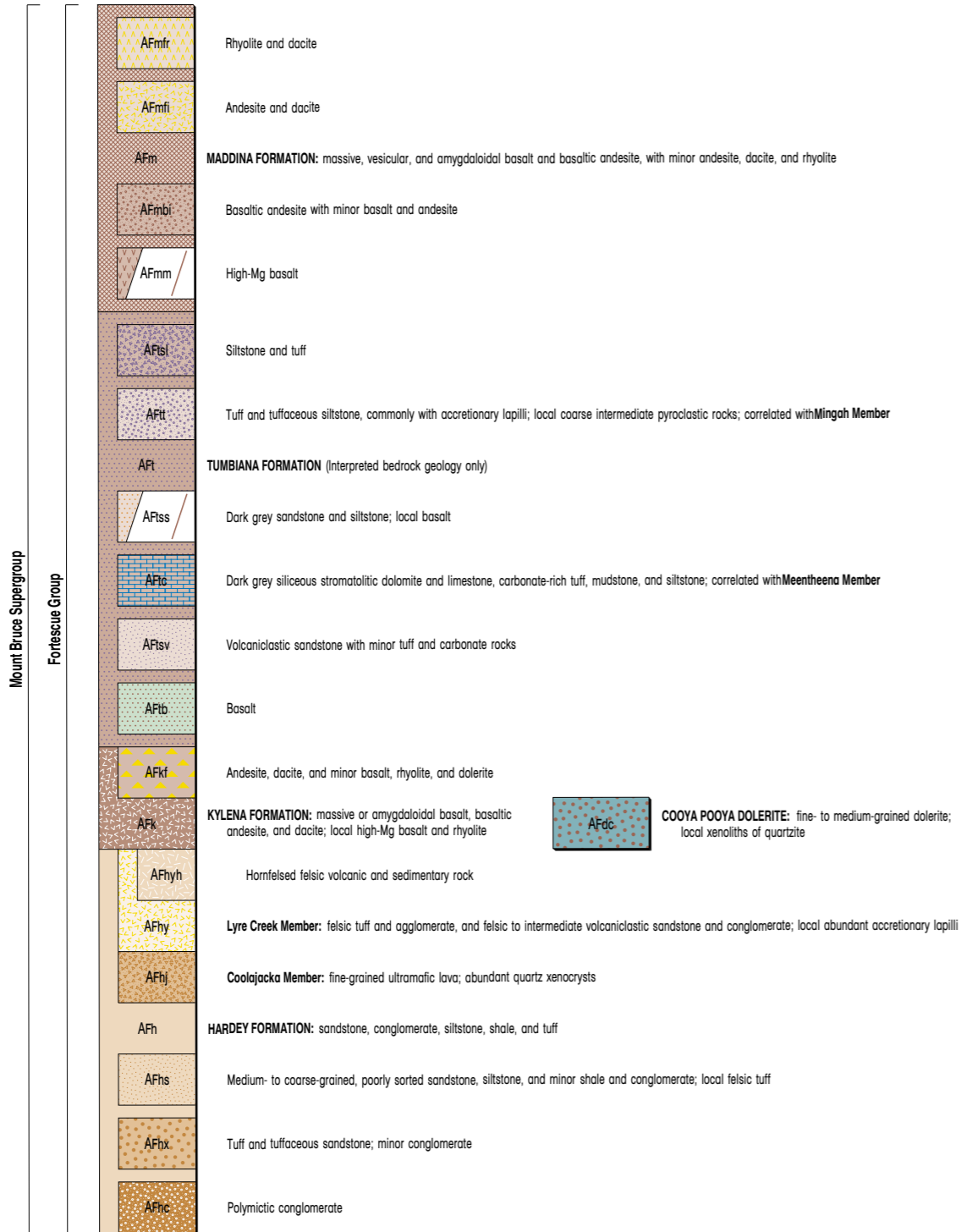


- Czag Alluvial gravel deposits; dissected by recent drainage
- Czak Alluvial calcare; massive, nodular, and cavernous limestone; variably silicified
- Czc Colluvium — dissected by recent drainage
- Czcb Colluvium; dissected by recent drainage, with gilgai surface in areas of expansive clay
- Czck Calcrete; developed on cemented colluvium derived from ultramafic rocks
- Czrb Residual clay containing rock fragments; dissected by present drainage; with gilgai surface in areas of expansive clay
- Czrf Residual ferricrete and ferruginous duricrust, and pisolitic ironstone on lateritic surface
- Czrk Residual calcare; massive, nodular, and cavernous limestone; variably silicified
- Czrw Saprolite related to weathering of a previous land surface; dissected by recent drainage



- d Dolerite dyke
- dx Pyroxene-rich dolerite dyke
- q Quartz vein
- g Granite vein

2717 Ma

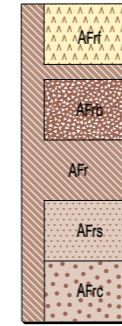


AFdc COOYA POOYA DOLERITE: fine- to medium-grained dolerite; local xenoliths of quartzite

c. 2760 Ma

c. 2770 Ma

Mount Bruce Supergroup
Fortescue Group



- AFri Andesite and dacite
- AFrb Basaltic breccia
- AFr **MOUNT ROE BASALT:** massive, vesicular, and glomeroporphyritic basalt
- AFrs Laminated shale, siltstone, and poorly sorted tuffaceous sandstone
- AFrc Polymictic conglomerate and sandstone

c. 2925 Ma

Pilbara Supergroup



- Ao Gabbro and dolerite; metamorphosed
- Aod Metadolomite
- Aog Unassigned gabbro; metamorphosed medium- to coarse-grained gabbro; foliated to massive
- Aoi Leucogabbro; metamorphosed
- Aoz Silicified gabbro
- Aus Serpentine; after peridotite
- Aux Pyroxenite; metamorphosed



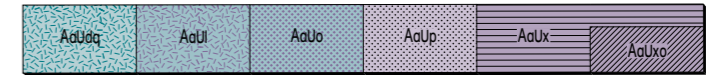
- Agi Granitoid dyke; monzogranite to quartz diorite; intrusive into **Munni Munni Intrusion**
- Agm Monzogranite and granodiorite; locally foliated
- Agya **YANNERY GRANITE:** fine- to medium-grained, nonfoliated monzogranite; amphibole replaced by chlorite; anomalously magnetic

c. 2925 Ma

Pilbara Supergroup



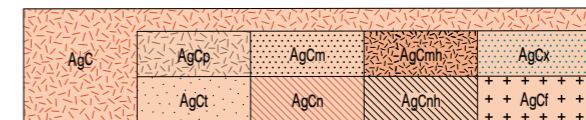
- Maitland Intrusion**
- Aald Metadolomite
 - Aall Leucogabbro; metamorphosed
 - Aalo Gabbro, and minor dolerite and leucogabbro; metamorphosed
 - Aalx Pyroxenite; metamorphosed
 - Aalus Serpentine; after peridotite



- Munni Munni Intrusion**
- AaUdq Quartz diorite and amphibole syenogranite; metamorphosed
 - AaUl Leucogabbro; metamorphosed
 - AaUo Gabbro, and minor dolerite and leucogabbro; metamorphosed
 - AaUp Peridotite; serpentinized
 - AaUx Pyroxenite, including websterite; metamorphosed
 - AaUxo Pyroxenite and pyroxene-rich gabbro; locally sulfidic; metamorphosed



- North Whundo Intrusion**
- AaNd Metadolomite
 - AaNo Gabbro, and minor dolerite and microgabbro; local norite and anorthosite; metamorphosed
- Radio Hill Intrusion**
- AaRo Gabbro, and minor dolerite and microgabbro; local norite and anorthosite; metamorphosed



- CHERRATTA GRANITOID COMPLEX:** syenogranite to tonalite; locally porphyritic and generally foliated; gneissic granitoid contains mafic xenoliths
- AgC Porphyritic syenogranite and monzogranite; metamorphosed
 - AgCp Syenogranite and monzogranite; locally biotite-rich, foliated
 - AgCm Hornblende- and biotite-rich monzogranite; foliated
 - AgCmh Mixed granitoid rock and greenstone: magmatic injection and tectonic interleaving
 - AgCx Tonalite; metamorphosed
 - AgCt Banded grey monzogranite-granodiorite gneiss with xenoliths of mafic gneiss and sheets of leucocratic gneiss
 - AgCn Hornblende- and biotite-rich granitoid gneiss
 - AgCf Hornblende-biotite tonalite to granite; foliated

2994 Ma

3068–2988 Ma

3114 Ma

3130 Ma

3236 Ma

Pilbara Supergroup (no stratigraphic subdivision)



- Ac Chert, massive, minor chlorite, and opaque minerals
- Acw Grey and white banded chert
- Asv Quartzofeldspathic schist; derived from volcanogenic sedimentary rock
- Alas Scapolite-bearing calc-silicate schist
- Alf Quartz-feldspar rock



- Af Felsic volcanic rock, undivided; metamorphosed
- Afd Dacite to andesite; local pyroclastic units; metamorphosed
- Afr Rhyolite; commonly schistose
- Afs Rhyolite to andesite schist; includes sheared felsic volcanic and clastic sedimentary rocks
- Aft Felsic tuff; rhyolite to andesite composition; metamorphosed



- Ab Basaltic rock, undivided; metamorphosed
- Aba Strongly foliated amphibolite; metamorphosed basalt
- Abp Plagioclase-phyric metabasalt
- Abgp Foliated and sheared metabasalt with sheared veins and sheets of microgranite and pegmatite



- Au Ultramafic rock, undivided; metamorphosed
- Aur Tremolite-chlorite schist
- Auz Silicified ultramafic rock