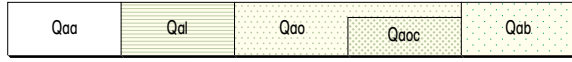


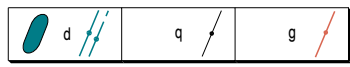
Qhm Marine mud and silt on supratidal to intertidal flats; includes intertidal deposits with mangroves
Qhms Coastal sand in beach deposits and dunes; chiefly marine sand reworked by wind, but includes some reworked alluvium near deltas; shelly sand contains Anadara granosa
Qpmb Coastal limestone - lime-cemented shelly sand, dune sand, and beach conglomerate



Qaa Alluvial sand and gravel in rivers and creeks; clay, silt, and sand in channels on floodplains
Qal Alluvial sand and gravel in levees and deltaic sandbanks
Qao Alluvial sand, silt, and clay on floodplains
Qaac Mixed floodplain deposits with numerous small claypans
Qab Alluvial sand, silt, and clay in floodplains, with gilgai surface in areas of expansive clay
Qw Low-gradient sheetwash deposits - silt, sand, and pebbles on distal outwash fans; no defined drainage
Qwb Sand, silt, and clay in distal outwash fans, with gilgai surface in areas of expansive clay
Qws Quartzfeldspathic sand
Qc Colluvium - sand, silt, and gravel in outwash fans; scree and talus; proximal mass-wasting deposits
Qrg Quartzfeldspathic eluvial sand with quartz and rock fragments; overlying and derived from granitoid rock
Qs Eolian sand - red-yellow, wind-blown sand; local ridges



Czaa Consolidated alluvial sand, silt, and clay; dissected by present-day drainage
Czag Alluvial gravel, unrelated to recent drainage; dissected by present-day drainage
Czak Alluvial calcareous, massive, nodular, and cavernous limestone; variably silicified; dissected by present-day drainage
Czc Colluvium - dissected consolidated clay, silt, and sand, and gravel deposits; derived from adjacent rock outcrop
Czrk Residual calcareous, massive, nodular, and cavernous limestone; mainly silicified
Czru Siliceous caprock over ultramafic rock
Czaf Pisolitic limonite deposits, developed over palaeodrainage lines; dissected by present-day drainage
Czrf Residual ferricrete; includes ferruginous duricrust and pisolitic ironstone; dissected by present-day drainage
Czrz Silcrete and massive nodular silica



d Dolerite and gabbro dykes; interpreted from aeromagnetic data where dashed
q Quartz vein
g Granite vein



Aqt Quartz-tourmaline vein or replacement tourmalinite



Agdy Granophyric quartz diorite

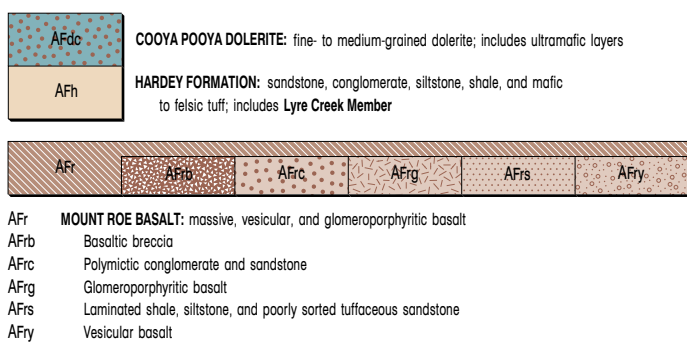


Ag Metamorphosed leucogranite; biotite (-tourmaline)-bearing; nonfoliated

c. 2760 Ma

Mount Bruce Supergroup

Fortescue Group

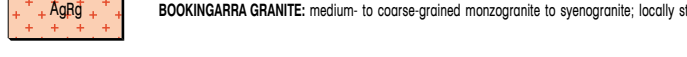


COOYA POOYA DOLERITE: fine- to medium-grained dolerite; includes ultramafic layers
HARDEY FORMATION: sandstone, conglomerate, siltstone, shale, and mafic to felsic tuff; includes Lyre Creek Member

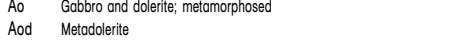
AFR MOUNT ROE BASALT: massive, vesicular, and glomeroporphyritic basalt
AFRb Basaltic breccia
AFRc Polymictic conglomerate and sandstone
AFRg Glomeroporphyritic basalt
AFRs Laminated shale, siltstone, and poorly sorted tuffaceous sandstone
AFry Vesicular basalt

c. 2925 Ma

Pilbara Supergroup



Ao Gabbro and dolerite; metamorphosed
Aod Metadolerite



Amm Mylonite and mylonitic gneiss; chiefly in Sholl Shear Zone

c. 2946 Ma

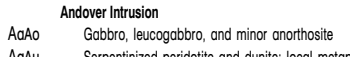
Pilbara Supergroup



AaS Sherlock Intrusion: fine- to coarse-grained mafic intrusive rock; includes gabbro, olivine gabbro, leucogabbro, and granophyric gabbro; metamorphosed
AaSy Granophyre; weakly metamorphosed
AaO Opaline Well Intrusion: fine- to coarse-grained, mafic intrusive rock; includes olivine gabbro and minor pyroxenite and dunite; minor extrusive mafic rock; metamorphosed
Andover Intrusion
AaAo Gabbro, leucogabbro, and minor anorthosite
AaAu Serpentinized peridotite and dunite; local metapyroxenite
AaAy Granophyre and granophyric fine-grained monzogranite

c. 2946 Ma

Pilbara Supergroup



PORTREE GRANITOID COMPLEX
AgP Alkali granite; metamorphosed
AgPac Alkali granite, coarse-grained; massive
AgPam Alkali granite, medium-grained; pyroxene-bearing; foliated to massive

c. 2950-2945 Ma

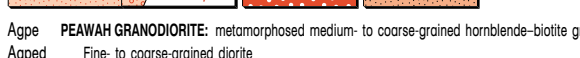
Pilbara Supergroup



Agpe PEAWAH GRANODIORITE: metamorphosed medium- to coarse-grained hornblende-biotite granodiorite and tonalite
Agped Fine- to coarse-grained diorite
Apto TOWERANNA PORPHYRY: metamorphosed porphyritic granodiorite; possibly equivalent to PEAWAH GRANODIORITE
Agg Metamorphosed medium- to coarse-grained hornblende-biotite granodiorite and tonalite; possibly equivalent to PEAWAH GRANODIORITE

c. 3015-2970 Ma

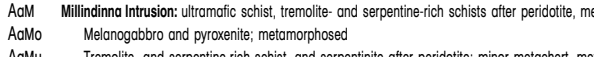
Pilbara Supergroup



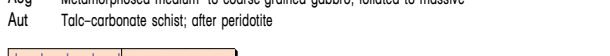
AaM Millindinna Intrusion: ultramafic schist, tremolite- and serpentine-rich schists after peridotite, metamorphosed pyroxenite, and actinolite-chlorite schist after pyroxenite
AaMo Melanogabbro and pyroxenite; metamorphosed
AaMu Tremolite- and serpentine-rich schist, and serpentinite after peridotite; minor metachert, metasedimentary rock, and serpentinized high-Mg basalt
Aag Metamorphosed medium- to coarse-grained gabbro; foliated to massive
Aut Talc-carbonate schist; after peridotite

2972 Ma

De Grey Group



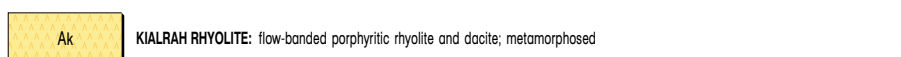
AKIALRAH RHYOLITE: flow-banded porphyritic rhyolite and dacite; metamorphosed



At MOUNT NEGRI VOLCANICS: metamorphosed variolitic and vesicular basalt; undivided
Ae LOUDEN VOLCANICS: undivided basalt and high-Mg basalt; interbedded clastic units and chert; metamorphosed
Aes Sandstone; fine- to coarse-grained; poorly sorted, arkosic; locally interbedded subarkose, polymictic conglomerate, and chert

<2990 Ma

De Grey Group

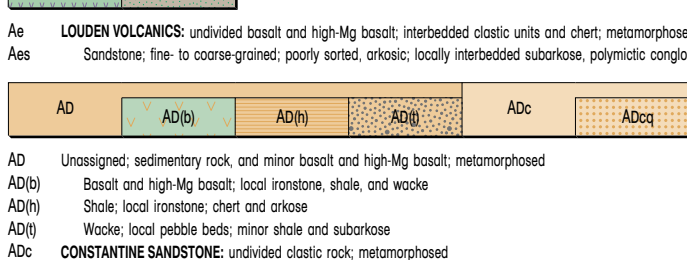


AD Unassigned; sedimentary rock, and minor basalt and high-Mg basalt; metamorphosed
AD(b) Basalt and high-Mg basalt; local ironstone, shale, and wacke
AD(h) Shale; local ironstone; chert and arkose
AD(t) Wacke; local pebble beds; minor shale and subarkose
ADc CONSTANTINE SANDSTONE: undivided clastic rock; metamorphosed
ADcq Quartzite; medium- to coarse-grained; minor graded beds
ADcs Poorly sorted sandstone and shale; minor graded beds
ADm MALLINA FORMATION: metamorphosed shale, siltstone, and wacke; minor chert

3009 Ma

Pilbara Supergroup

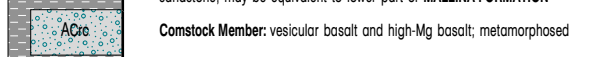
Whim Creek Group



ACr RUSHALL SLATE: metamorphosed well-laminated shale and siltstone; locally graphitic; minor sandstone; may be equivalent to lower part of MALLINA FORMATION
ACc Comstock Member: vesicular basalt and high-Mg basalt; metamorphosed
ACf CISTERN FORMATION: metamorphosed clastic and volcanoclastic rocks, fine- to coarse-grained wacke, siltstone, and volcanolithic sandstone; includes polymictic cobble conglomerate
MONS CUPRI VOLCANICS: metamorphosed felsic volcanic and volcanoclastic rocks; lavas and pyroclastic rock, with feldspar and quartz phenocrysts; dacite to rhyolite composition; locally spherulitic and flow-banded
ACw WARAMBIE BASALT: metamorphosed basalt and minor coarse-grained sedimentary rock
ACws Sandstone, conglomerate, and semipelite rock; metamorphosed

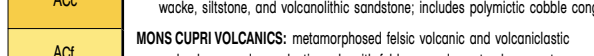
c. 3015 Ma

Gorge Creek Group



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

c. 3020 Ma

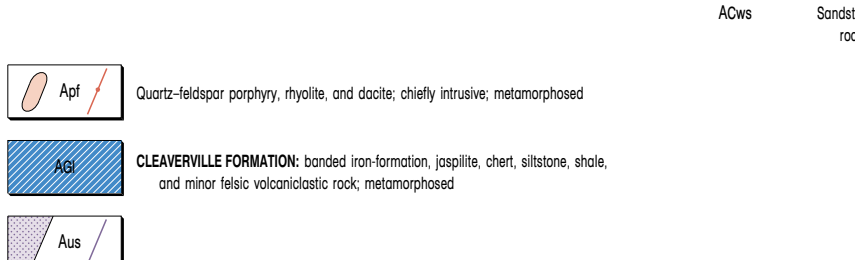


Agl CLEAVERVILLE FORMATION: banded iron-formation, jaspilite, chert, siltstone, shale, and minor felsic volcanoclastic rock; metamorphosed
Aus Serpentinized ultramafic rocks; metamorphosed to amphibolite facies

c. 3115 Ma

Pilbara Supergroup

Whundoo Group

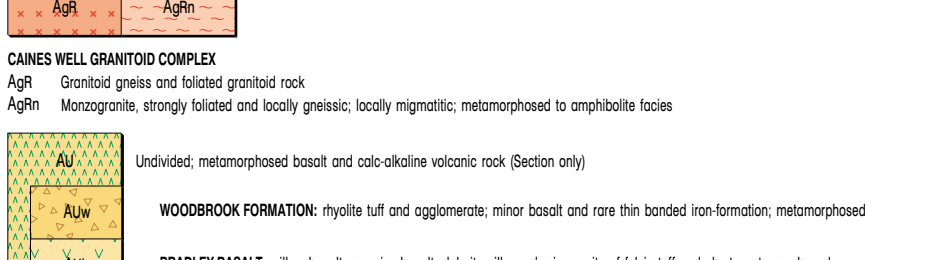


AU Undivided; metamorphosed basalt and calc-alkaline volcanic rock (Section only)
AUw WOODBROOK FORMATION: rhyolite tuff and agglomerate; minor basalt and rare thin banded iron-formation; metamorphosed
AUb BRADLEY BASALT: pillow basalt, massive basalt, dolerite sills, and minor units of felsic tuff and chert; metamorphosed
AUbf Felsic tuff and minor chert; metamorphosed
AUt TOZER FORMATION: calc-alkaline volcanic rock, including basalt, andesite, and felsic pyroclastic rock; metamorphosed
AUrn NALLANA FORMATION: metabasalt, with minor metamorphosed ultramafic, felsic, and sedimentary units

c. 3270-3260 Ma

Pilbara Supergroup

Rebourne Group



ARrt Basaltic tuff; well bedded; metamorphosed
ARr REGAL FORMATION: pillowed and massive basalt, with a basal unit of peridotitic komatiite; minor chert; metamorphosed
ARrg Foliated and sheared metabasalt with sheared veins and sheets of microgranite and pegmatite; metamorphosed to amphibolite facies
ARru Serpentinized peridotite; locally peridotitic komatiite with olivine spinifex texture; metamorphosed
ARrx Brecciated chert and silicified mafic rock
ARn NICKOL RIVER FORMATION: chert, banded iron-formation, ferruginous clastic sedimentary rock, carbonate rocks, quartzite, conglomerate, felsic volcanic and intrusive rocks, and felsic volcanogenic sedimentary rock; metamorphosed
ARnc Chert
ARw RUTH WELL FORMATION: metabasalt and serpentinized peridotite, and thin chert units
ARwc Chert, gray and white banded or ferruginous; minor quartzite; metamorphosed
ARwu Serpentinized peridotite; locally peridotitic komatiite with olivine spinifex texture; metamorphosed