



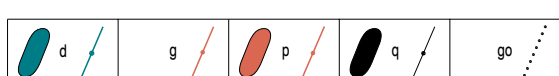
Qhmm Marine mud and silt; intertidal with mangroves
Qhms Shelly sand in coastal dunes and old beach deposits; contains Anadara granosa
Qhmu Silt and mud in supratidal to intertidal flats and lagoons
Qpmb Coastal limestone—lime-cemented shelly sand, dune sand, and beach conglomerate



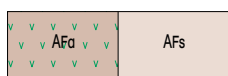
Qaa Alluvium—sand and gravel in rivers and creeks; clay, silt, and sand in channels on floodplains
Qal Alluvial sand and gravel in levees and sandbanks associated with deltas
Qac Claypan deposits on floodplains
Qao Alluvial sand, silt, and clay in floodplains
Qab Alluvial sand, silt, and clay in floodplains, with gilgai surface in areas of expansive clay
Qas Coastal sand deposits of mixed alluvial and eolian origin
Qwb Sheetwash sand, silt, and clay in distal outwash fans, with gilgai surface in areas of expansive clay
Qc Calluvium — sand, silt and gravel in outwash fans and scree
Qrg Eluvial sand over granitoid rocks
Qs Eolian sand — red-yellow wind blown sand; local sand ridges



Czag Alluvium—high-level gravel deposits, unrelated to recent drainage
Czak Calcrete—massive, nodular and cavernous limestone, variably silicified; alluvial origin
Czrf Ferricrete—includes ferruginous duricrust and pisolitic ironstone on lateritic surface
Czrk Calcrete—massive, nodular, and cavernous limestone, variably silicified; residual origin

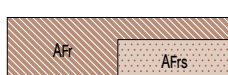


d Dolerite dyke
g Granite vein
p Pegmatite
q Quartz vein
go Gossan



AFa Unassigned basalt and andesite
AFs Unassigned sandstone and conglomerate

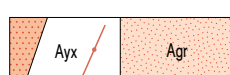
Dampier Archipelago



AFR MOUNT ROE BASALT: massive, vesicular, and glomeroporphyritic basalt
AFRs Sandstone and conglomerate; minor shale



AyG GIDLEY GRANOPHYRE: fine- to medium-grained granophyre, commonly porphyritic
AyGr Altered quartz-rich granophyre
AyGo Gabbro
AyGox Gabbro containing quench-textured acicular pyroxene crystals



Ayx Granophyric, xenolith-rich dyke; generally andesitic
Agr Partly remelted granitoid; occurs in GIDLEY GRANOPHYRE and AyGo

c. 2760 Ma

Mount Bruce Supergroup

Fortescue Group

HAMERSLEY BASIN



Agg Granodiorite, commonly with biotite or hornblende, poorly foliated

c. 3000–2900 Ma



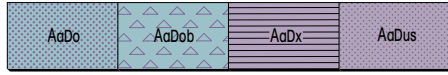
Amn Mylonite and mylonitic gneiss; derived by extreme shearing of granitoid, gneiss, and a wide range of supracrustal rock types; chiefly in Sholl Shear Zone



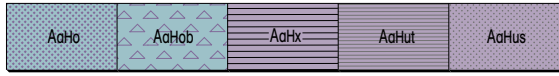
AaAo Gabbro and minor dolerite or microgabbro; local norite and anorthosite; metamorphosed
AaOb Gabbro and dolerite or microgabbro containing angular blocks of basalt; metamorphosed
AaAl Leucogabbro; metamorphosed
AaAd Dolerite or microgabbro; metamorphosed
AaAu Ultramafic rock, undivided
AaAx Pyroxenite; commonly schistose; metamorphosed



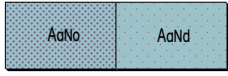
AaBo Gabbro and minor dolerite or microgabbro; local norite and anorthosite; metamorphosed
AaBob Gabbro and dolerite or microgabbro containing angular blocks of basalt; metamorphosed
AaBl Leucogabbro; metamorphosed
AaBu Ultramafic rock, undivided
AaBus Serpentinite; replacing peridotite



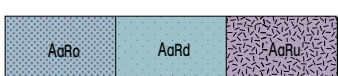
AaDo Gabbro and minor dolerite or microgabbro; local norite and anorthosite; metamorphosed
AaDob Gabbro and dolerite or microgabbro containing angular blocks of basalt; metamorphosed
AaDx Pyroxenite; commonly schistose; metamorphosed
AaDus Serpentinite; replacing peridotite



AaHo Gabbro and minor dolerite or microgabbro; local norite and anorthosite; metamorphosed
AaHob Gabbro and dolerite or microgabbro containing angular blocks of basalt; metamorphosed (Section only)
AaHx Pyroxenite; commonly schistose; metamorphosed
AaHut Talc-chlorite schist
AaHus Serpentinite; replacing peridotite



AaNu Gabbro and minor dolerite or microgabbro; local norite and anorthosite; metamorphosed
AaNd Metadolerite

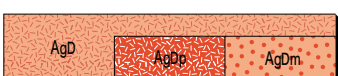


AaRo Gabbro and minor dolerite or microgabbro; local norite and anorthosite; metamorphosed
AaRd Metadolerite
AaRu Ultramafic rock, undivided

Layered mafic intrusions c. 2925 Ma



AgC CHERRATTA GRANITOID COMPLEX: granite to tonalite, locally porphyritic and generally foliated; gneissic granitoid contains xenoliths of amphibolite-facies mafic gneiss (Simplified Geology only)
AgCp Porphyritic granite; metamorphosed
AgCn Banded grey granite-tonalite gneiss with xenoliths of amphibolite-facies mafic gneiss, and sheets of leucocratic gneiss
AgCg Granite, partly seriate and moderately foliated
AgCm Granite to granodiorite, foliated
AgCmh Hornblende- and biotite-rich granite, foliated



AgD DAMPIER GRANITOID COMPLEX: granite to granodiorite, well foliated, commonly porphyritic, and includes local banded gneiss (Simplified Geology only)
AgDp Porphyritic granite to granodiorite, well foliated
AgDm Granite to granodiorite, locally seriate; includes biotite-rich phases, leucocratic syenogranite, and pegmatite veins; metamorphosed



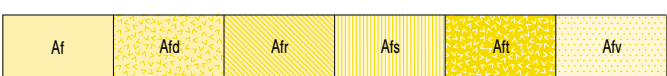
Ag Granitoid rock, undivided; metamorphosed; includes weathered rock and airphoto interpreted outcrop
Agp Porphyritic granite to tonalite, foliated
Agm Monzogranite and granodiorite, foliated
Agx Mixed granitoid-greenstone assemblages related to intrusive contacts; metamorphosed
Agka KARRATHA GRANODIORITE: weakly foliated granodiorite to tonalite (c. 3260 Ma)
Apf Quartz-feldspar porphyry, intrusive; foliated and metamorphosed



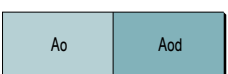
Ac Chert, undivided
Acb Black chert
Acc Grey and brown chert, chiefly replacing sheared clastic sedimentary rocks
Acf Ferruginous chert, banded iron-formation, and metamorphosed intercalated fine-grained clastic sedimentary rocks
Acg Green chert, commonly occurs close to ultramafic rocks
Aci Banded-iron formation; minor ferruginous chert
Acj Jaspilite
Acw Grey-white banded chert, locally associated with quartzite



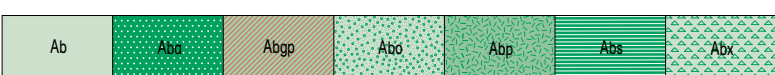
As Sedimentary rocks, undivided; metamorphosed
Asc Metaconglomerate
Asi Ferruginous clastic sedimentary rocks, dominantly pelitic; includes minor chert beds; metamorphosed
Asq Quartzite
Ass Schistose metasandstone and metasilstone
Ast Sandstone; minor conglomerate and siltstone; metamorphosed
Alm Quartz-sericite schist and chert; includes metamorphosed siltstone; chert may be grey-white banded, grey, or green; chiefly represents silicified shale



Af Felsic volcanic rock, undivided; chiefly dacite; metamorphosed
Afd Dacite to andesite; local pyroclastic units; metamorphosed
Afr Rhyolite; metamorphosed
Afs Rhyolite to andesite schist; includes sheared felsic volcanic and clastic sedimentary rocks
Aft Rhyolite to dacite tuff; metamorphosed
Afv Rhyolite to dacite volcanoclastic rock, includes volcanogenic sedimentary rocks; metamorphosed



Ao Gabbro and minor dolerite; local units of norite and anorthosite; metamorphosed
Aod Metadolerite



Ab Basaltic rock, undivided; metamorphosed to greenschist facies
Aba Strongly foliated basalt; generally metamorphosed to amphibolite facies
Abgp Foliated and sheared metabasalt with sheared veins and sheets of microgranite and pegmatite; metamorphosed to amphibolite facies
Abo Variolitic-textured basalt; metamorphosed
Abp Plagioclase-phyric basalt; metamorphosed
Abs Mafic schist
Abx Fragmental basaltic rock; metamorphosed



Au Ultramafic rock, undivided; includes schist; local silicification
Aub Intercalated ultramafic and mafic lava with thin chert units (silicified interflow sedimentary rocks); metamorphosed
Auk Komatiite; characterized by olivine spinifex textures; metamorphosed
Aus Serpentinite; replacing peridotite
Aut Talc-chlorite schist
Auv Ultramafic lava; fine-grained peridotite to high-Mg basalt; metamorphosed
Aux Pyroxenite, commonly schistose; metamorphosed

Pilbara Supergroup (no stratigraphic subdivision)