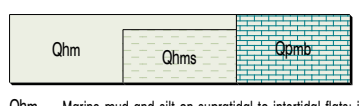
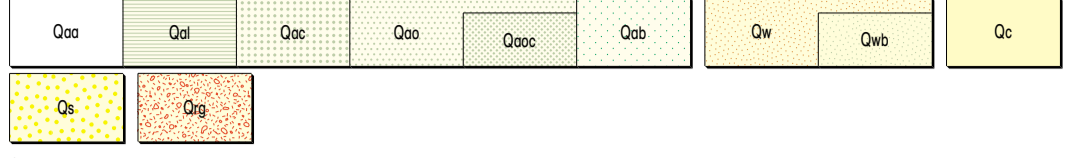


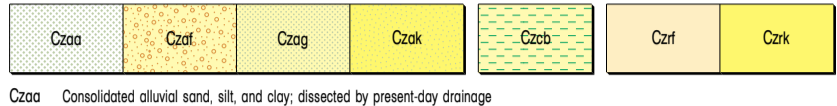
QUATERNARY



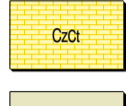
Qhm Marine mud and silt on supratidal to intertidal flats; includes intertidal deposits with mangroves; Holocene
Qhms Coastal sand in beach deposits and dunes; marine sand reworked by wind; includes reworked alluvium near deltas; shelly sand; Holocene
Qpmb Coastal limestone, lime-cemented shelly sand,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



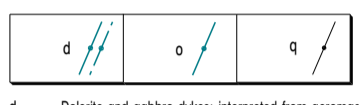
Qaa Alluvium; sand and gravel in rivers and creeks; clay, silt, and sand in channels on floodplains
Qal Alluvial sand and gravel in levees and sandbanks associated with deltas
Qac Clay and silt in claypans on floodplains, and in coastal lacustrine deposits
Qao Alluvial sand, silt, and clay on floodplains
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 Sheetwash deposits - silt, sand, and pebbles in distal outwash fans
Qwb 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; scree and talus; proximal mass-wasting deposits
Qs Eolian sand - red-yellow, wind-blown sand; local sand ridges
Qrg Quartzfeldspathic eluvial sand with quartz and rock fragments; overlying and derived from granitoid rock



Czaa Consolidated alluvial sand, silt, and clay; dissected by present-day drainage
Czaf Pisolitic limonite deposits, developed over palaeodrainage lines; dissected by present-day drainage
Czag High-level gravel deposits unrelated to recent drainage; dissected
Czak Alluvial calcrete; massive, nodular, and cavernous limestone; variably silicified; dissected by present-day drainage
Czcb Colluvium, dissected by recent drainage, with gilgai surface in areas of expansive clay
Czrf Ferricrete; includes ferruginous and pisolitic ironstone; residual origin; dissected by present-day drainage
Czrk Residual calcrete; massive, nodular, and cavernous limestone, mainly silicified

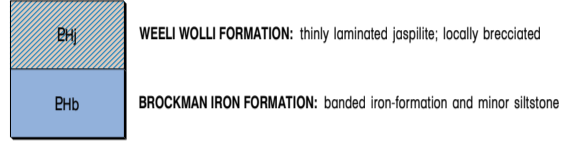


Czcl TREALLA LIMESTONE: calcirudite, calcarenite, and calcisiltite; moderate- to high-energy shelf, and minor lagoonal deposits; highly fossiliferous; Miocene
Czg GIRALIA CALCARENITE: coarse foraminiferal calcarenite packstone; minor calcirudite; high-energy shallow marine deposit; highly fossiliferous; Eocene

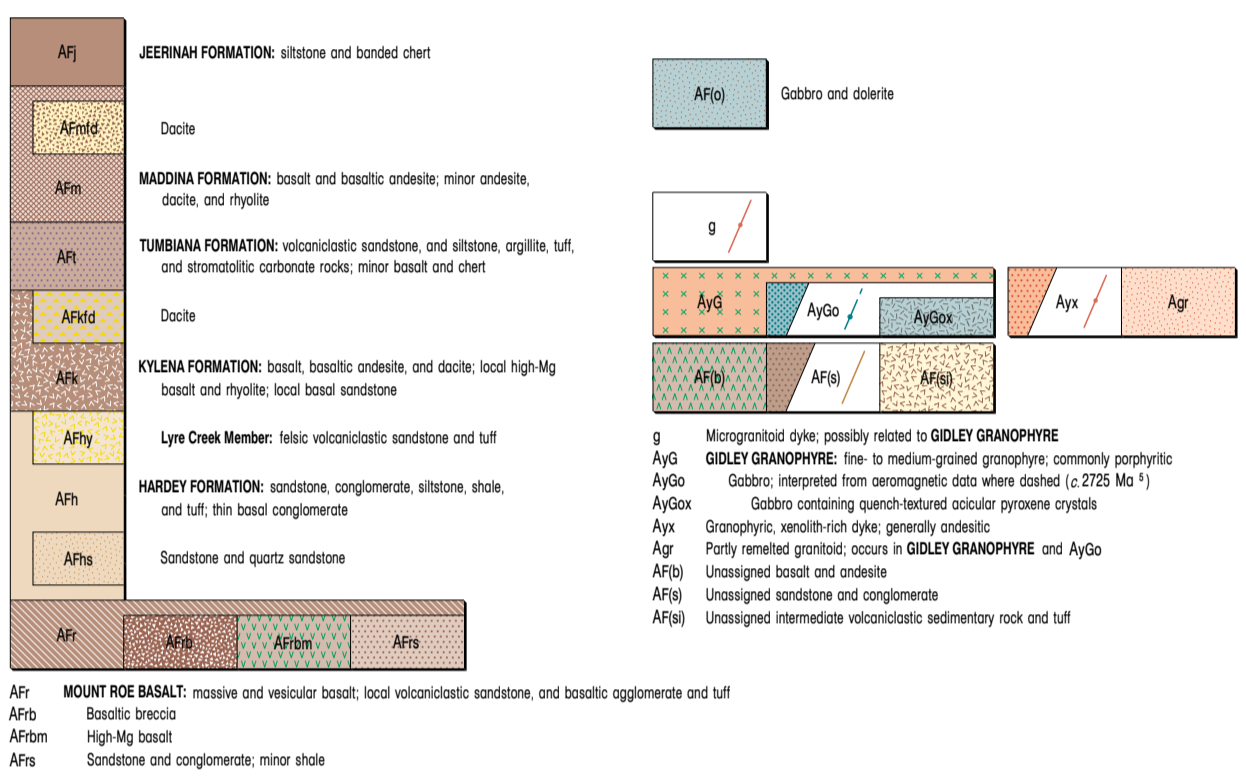


d Dolerite and gabbro dykes; interpreted from aeromagnetic data where dashed
o Gabbroic dyke; intrudes Fortescue Group in Cape Preston area
q Quartz vein

Pinjarra Orogeny? (1100-1000Ma)

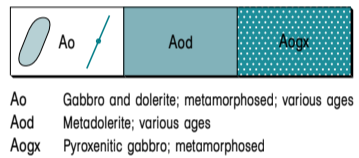


Bhj WEELI WOLLU FORMATION: thinly laminated jaspilite; locally brecciated
Bhb BROCKMAN IRON FORMATION: banded iron-formation and minor siltstone

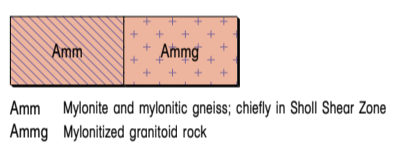


AFr MOUNT ROE BASALT: massive and vesicular basalt; local volcanoclastic sandstone, and basaltic agglomerate and tuff
AFrb Basaltic breccia
AFrbm High-Mg basalt
AFrs Sandstone and conglomerate; minor shale

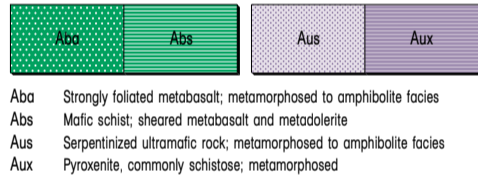
g Microgranitoid dyke; possibly related to GIDLEY GRANOPHYRE
yG GIDLEY GRANOPHYRE: fine- to medium-grained granophyre; commonly porphyritic
yGo Gabbro; interpreted from aeromagnetic data where dashed (c.2725 Ma ±)
yGox Gabbro containing quench-textured acicular pyroxene crystals
yx Granophyric, xenolith-rich dyke; generally andesitic
g Partly remelted granitoid; occurs in GIDLEY GRANOPHYRE and yGo
(b) Unassigned basalt and andesite
(s) Unassigned sandstone and conglomerate
(s) Unassigned intermediate volcanoclastic sedimentary rock and tuff



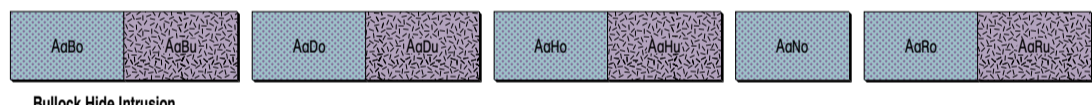
Ao Gabbro and dolerite; metamorphosed; various ages
Aod Metadolerite; various ages
Aogx Pyroxenitic gabbro; metamorphosed



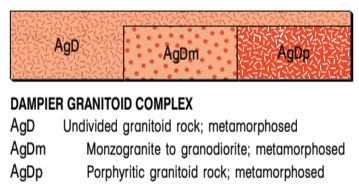
Amm Mylonite and mylonitic gneiss; chiefly in Shall Shear Zone
Ammg Mylonitized granitoid rock



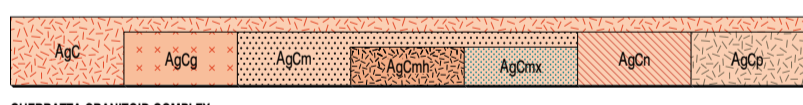
Aba Strongly foliated metabasalt; metamorphosed to amphibolite facies
Abs Mafic schist; sheared metabasalt and metadolerite
Aus Serpentinized ultramafic rock; metamorphosed to amphibolite facies
Aux Pyroxenite, commonly schistose; metamorphosed



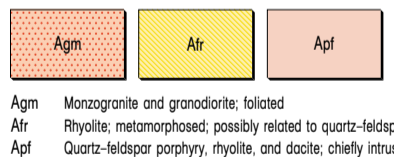
Bullock Hide Intrusion
AaBo Gabbro, leucogabbro, and minor anorthosite; metamorphosed
AaBu Serpentinized peridotite
Dingo Intrusion
AaDo Gabbro and minor anorthosite; metamorphosed
AaDu Serpentinized peridotite and metapyroxenite
Mount Shall Intrusion
AaHo Gabbro and minor anorthosite; metamorphosed
AaHu Serpentinized peridotite, talc-chlorite schist, and metapyroxenite
North Whundo Intrusion
AaNo Gabbro, and dolerite, and minor anorthosite; metamorphosed
Radio Hill Intrusion
AaRo Gabbro, dolerite and minor anorthosite; metamorphosed
AaRu Ultramafic rock, undivided



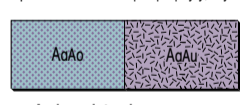
DAMPIER GRANITOID COMPLEX
AgD Undivided granitoid rock; metamorphosed
AgDm Monzogranite to granodiorite; metamorphosed
AgDp Porphyritic granitoid rock; metamorphosed



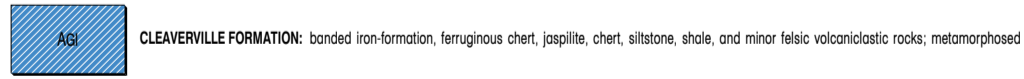
CHERRATTA GRANITOID COMPLEX
AgC Undivided granitoid rock; metamorphosed
AgCg Syenogranite and monzogranite; partly seriate and moderately foliated
AgCm Monzogranite to granodiorite; locally foliated
AgCmh Hornblende- and biotite-rich monzogranite; foliated
AgCmx Foliated monzogranite containing xenoliths of amphibolite
AgCn Banded grey monzogranite-tonalite gneiss with xenoliths of amphibolite-facies mafic gneiss, and sheets of leucocratic gneiss
AgCp Porphyritic monzogranite-granodiorite; metamorphosed



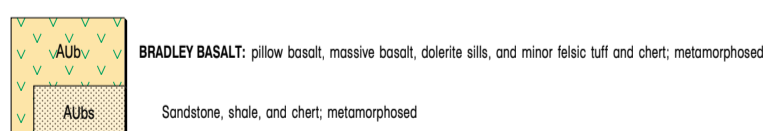
Agm Monzogranite and granodiorite; foliated
Afr Rhyolite; metamorphosed; possibly related to quartz-feldspar porphyry (Apf)
Apf Quartz-feldspar porphyry, rhyolite, and dacite; chiefly intrusive; metamorphosed



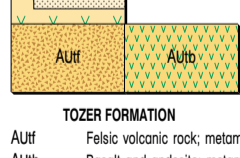
Andover Intrusion
AaAo Gabbro, leucogabbro, dolerite, and minor anorthosite; metamorphosed
AaAu Pyroxenite; metamorphosed



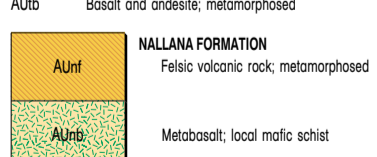
AgI CLEAVERVILLE FORMATION: banded iron-formation, ferruginous chert, jaspilite, chert, siltstone, shale, and minor felsic volcanoclastic rocks; metamorphosed



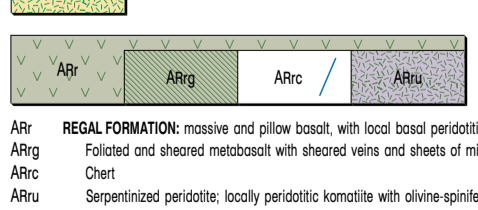
AUbs BRADLEY BASALT: pillow basalt, massive basalt, dolerite sills, and minor felsic tuff and chert; metamorphosed
AUtb Sandstone, shale, and chert; metamorphosed



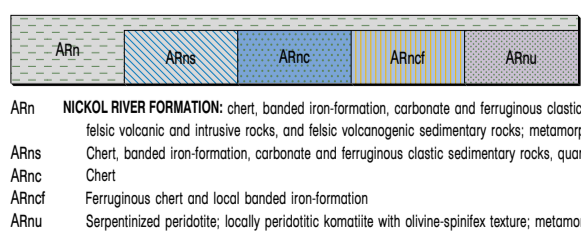
AUif TOZER FORMATION
AUif Felsic volcanic rock; metamorphosed
AUtb Basalt and andesite; metamorphosed



AUif NALLANA FORMATION
AUif Felsic volcanic rock; metamorphosed
AUrb Metabasalt; local mafic schist

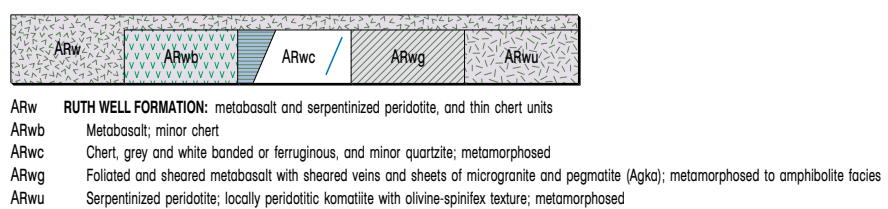


ARr REGAL FORMATION: massive and pillow basalt, with local basal peridotitic komatiite; minor chert; metamorphosed
ARrg Foliated and sheared metabasalt with sheared veins and sheets of microgranite and pegmatite; metamorphosed to amphibolite facies
ARrc Chert
ARru Serpentinized peridotite; locally peridotitic komatiite with olivine-spinifex texture; metamorphosed; basal unit



ARn NICKOL RIVER FORMATION: chert, banded iron-formation, carbonate and ferruginous clastic sedimentary rocks, quartzite, conglomerate, felsic volcanic and intrusive rocks, and felsic volcanoclastic sedimentary rocks; metamorphosed
ARns Chert, banded iron-formation, carbonate and ferruginous clastic sedimentary rocks, quartzite, and conglomerate; metamorphosed
ARnc Chert
ARncf Ferruginous chert and local banded iron-formation
ARnu Serpentinized peridotite; locally peridotitic komatiite with olivine-spinifex texture; metamorphosed; basal unit

Agka KARRATHA GRANODIORITE: granodiorite and tonalite; foliated with local compositional banding; metamorphosed (c.3270-3260 Ma ± 14)



ARw RUTH WELL FORMATION: metabasalt and serpentinized peridotite, and thin chert units
ARwb Metabasalt; minor chert
ARwg Chert, grey and white banded or ferruginous, and minor quartzite; metamorphosed
ARwg Foliated and sheared metabasalt with sheared veins and sheets of microgranite and pegmatite (Agka); metamorphosed to amphibolite facies
ARwu Serpentinized peridotite; locally peridotitic komatiite with olivine-spinifex texture; metamorphosed