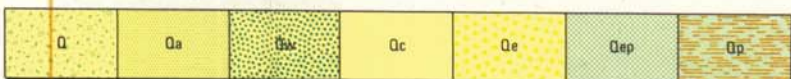


REFERENCE



Q Deposits of mixed or uncertain origin - alluvial, colluvial, eluvial and eolian clay, silt, sand and gravel
 Qa Alluvium - clay, silt, sand and gravel, locally calcareated, associated with drainage lines
 Qw Diluvium and colluvium - clay, silt, sand and gravel, locally calcareated, no well-defined drainage lines
 Qc Colluvium - slope and eluvial deposits obscuring bedrock. Primarily Precambrian areas
 Qe Eolian sand - reddish brown to yellowish quartz sand in dunes and sandplain
 Qep Mixed dune and playa terrain - alluvial, diluvial and eolian clay, silt, sand and gravel
 Qp Large playas - poorly sorted clay, silt, sand and gravel

Qad Deposits of Boodalia Delta, Gascoyne River - alluvial and diluvial clay, silt, sand and gravel
 Qab Deposits of Brown Delta, Gascoyne River - semiconsolidated, alluvial and diluvial clay, silt, sand and gravel

Qed Sandridges marking ancient drainage lines of Gascoyne River

Czc Older alluvial, colluvial and diluvial deposits - consolidated clay, silt, sand and gravel, locally calcareous
 Czk Calcrete - authigenic calcareous duricrust, locally obscures older sediments, includes minor valley calcrete in Precambrian areas
 Czn NADARRA FORMATION: micritic limestone and calcareated mudstone, white to light green, commonly opalized; lacustrine

Tt TREALLA LIMESTONE: fossiliferous calcirudite and calcarenite; shallow marine

Czd Ferruginous and siliceous duricrust - laterite, silcrete, some intensely ferruginized and/or silicified bedrock

Tm MERLINLEIGH SANDSTONE: poorly sorted sandstone and granule conglomerate, locally silty, sparsely fossiliferous; shallow marine to fluvialite

Kt TOOLONGA CALCILUTITE: chalky, white and light green calcilutite and calcisiltite, poorly exposed; shallow marine shelf

Kg GEARLE SILTSTONE: bentonitic siltstone and shale, poorly exposed; low energy marine shelf

Kw WINDALIA RADIOLARITE: radiolarian siltstone, commonly white, locally porcellanized; low energy marine shelf

Km MUDERONG SHALE: variably glauconitic siltstone, shale and claystone; low energy marine shelf

Kb BIRDRONG SANDSTONE: quartz arenite, locally silty, locally poorly consolidated; high energy shallow marine to ? fluvialite (at base)

Kw Sequence of Birdrong Sandstone, Muderong Shale and Windalia Radiolarite in Kennedy Range

Pkb BINTHALYA FORMATION: quartz wacke and siltstone, commonly bioturbated; offshore marine to inner shelf

Pkm MUNGADAN SANDSTONE: quartz arenite and quartz wacke, locally bioturbated; marine shelf

Pkc COOLKILYA SANDSTONE: quartz wacke and siltstone, variably calcareous, locally fossiliferous; shallow marine shelf

Pbk BAKER FORMATION: siltstone and fine quartz wacke, locally fossiliferous; offshore and shallow marine

Pbn NALBIA SANDSTONE: quartz wacke, bioturbated and fossiliferous, contains ferruginous concretions; shallow marine

Pbw WANDAGEE FORMATION: siltstone and fine quartz wacke, variably calcareous, very fossiliferous; offshore and shallow marine

Pbn QUINNANIE SHALE: carbonaceous shale, siltstone and fine quartz wacke, fossiliferous; offshore marine

Pbu CUNDLEGO FORMATION: quartz wacke, siltstone, carbonaceous siltstone and shale, locally fossiliferous; shallow marine

Pbb BULGADDO SHALE: shale, siltstone, minor quartz wacke, variably calcareous; offshore marine

Pbm MALLENS SANDSTONE: quartz wacke, minor quartz arenite, bioturbated, cross-bedded; shallow marine

Pbc COYRIE FORMATION: siltstone, claystone, quartz wacke, commonly thin-bedded; offshore and shallow marine

Pwb BILLIDEE FORMATION: quartz wacke and siltstone, commonly thin-bedded and fine-grained, minor coarse sandstone; marine shelf with local deltaic episodes

Pwb(j) Jimba Jimba Calcareite Member facies: interbedded fossiliferous calcarenite and siltstone; marine shelf with shoals

Pwo MOOGOOLOO SANDSTONE: quartz arenite and wacke, minor siltstone, claystone and granule conglomerate; fluvialite, deltaic and minor marine

Pc CALLYTHARRA FORMATION: calcareous siltstone and hard calcarenite, very fossiliferous; marine shelf, shoaling in upper part

Pp LYONS FORMATION: quartz wacke, siltstone, shale and tillite, in part calcareous; glaciogenic, continental to marine, includes minor CARRANDBIBBY FORMATION

Poa Austin Member: quartz wacke to quartz arenite, moderately to poorly sorted; fluvialite, lacustrine, ? shallow marine

Cy YINDAGINDY FORMATION: quartz wacke, oolitic and algal limestone, fossiliferous; shallow marine to littoral

Cw WILLIAMSBURY FORMATION: quartz wacke, conglomerate and siltstone; fluvialite, alluvial fan

Cm MOOGOOREE LIMESTONE: calcarenite, calcilutite, dolomite, algal limestone, very fossiliferous in places; shallow marine to shoreline

Dp WILLARADDIE FORMATION: conglomerate, quartz wacke, quartz arenite, siltstone; fluvialite, alluvial fan

Dm MUNABIA SANDSTONE: quartz arenite, minor siltstone and dolomite; fluvialite, minor marine incursions

Dg GNEUDNA FORMATION: siltstone calcarenite, calcilutite, calcirudite, dolomite, very fossiliferous; shallow marine

Dn NANNYARRA SANDSTONE: quartz arenite, quartz wacke, siltstone; shallow marine and fluvialite

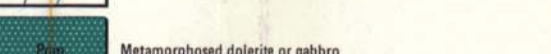
q: Quartz vein; d: dolerite dyke

Pgmb Metamorphosed dolerite or gabbro

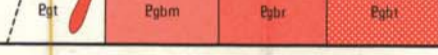


Egt Granodiorite; coarse-grained, forms late-stage dykes
 Egbm Biotite-muscovite(-tourmaline) granite; medium to coarse-grained
 Egbr Biotite granodiorite and adamellite; coarse and medium-grained
 Egbt Foliated, biotite tonalite and granodiorite; medium-grained
 Egl Gneissic, biotite granite and adamellite; commonly has abundant microcline augen
 Egbs Gneissic, biotite tonalite and granodiorite

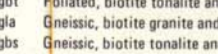
Early-stage granitoids
 Late-stage granitoids



Ets Quartz-sericite-muscovite-chlorite schist
 Etu Quartz-muscovite-biotite schist
 Etg Quartz-muscovite-biotite-garnet-chlorite-andalusite (-staurolite) schist
 Eta Hornblende-plagioclase schist; quartz-rich in places
 Eqm Quartzite and micaceous quartzite



Enb Microcline-quartz-muscovite-biotite (-garnet) paragneiss; metamorphosed arkose
 Enc Actinolite-tremolite-quartz-feldspar-clinopyroxene-epidote-sphene compositionally layered assemblages; calc-silicate gneiss
 Ena Hornblende-plagioclase (-garnet) amphibolite; fine and medium-grained
 Emb Migmatite with a palaeosome of paragneiss, and a neosome of muscovite-biotite granite



Emb Migmatite with a palaeosome of banded biotite (-hornblende) granodiorite, or adamellite gneiss and a neosome of biotite adamellite
 Ani Quartz-magnetite rock; metamorphosed banded iron-formation

REWORKED ARCHAEOAN GNEISS TERRAIN

PHANEROZOIC
 CAINOZOIC
 QUATERNARY
 PLEISTOCENE TO HOLOCENE
 PLEISTOCENE
 PLEISTOCENE TO PLEISTOCENE
 MIOCENE
 OLIGOCENE
 EOCENE
 MESOZOIC
 LATE CRETACEOUS
 MAASTRICHTIAN
 TURONIAN
 ALBIAN
 APTIAN
 EARLY CRETACEOUS
 PHANEROZOIC
 EARLY PERMIAN
 ARTINSKIAN
 PALAEOZOIC
 Wooramel Group
 Kennedy Group
 LATE CARBONIFEROUS
 SAKMARIAN
 EARLY CARBONIFEROUS
 ? VISEAN
 TOURNAISIAN
 FAMENNIAN
 FRASNIAN
 MIDDLE-EARLY DEVONIAN
 PROTEROZOIC
 MORRISSEY METAMORPHIC SUITE
 ARCHAEOAN
 REWORKED ARCHAEOAN GNEISS TERRAIN