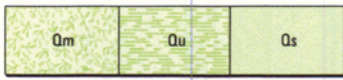
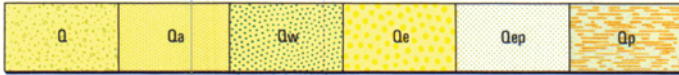


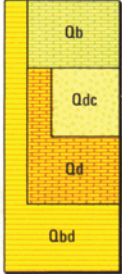
REFERENCE



Qm Tidal flat deposits – shelly lime-silt, sand, gravel; extensively bound by algal mats
 Qu Supratidal flat deposits – shelly lime-silt, sand, gravel; minor authigenic gypsum and salt
 Qs Beach, beach ridge and coastal dune deposits – calcarenite; locally contains ooids and small *Fragum erugatum* shells



Q Deposits of mixed or uncertain origin – alluvial, colluvial, elluvial and eolian clay, silt, sand and gravel; commonly is older alluvial and diluvial deposits partially reworked by eolian processes
 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 pattern
 Qe Sandplain and dune deposits – reddish-brown to yellowish eolian sand; includes interdune deposits
 Qep Playa and dune deposits – alluvial, diluvial and eolian clay, silt, sand and gravel in mixed dune and playa terrain; commonly associated with major palaeodrainage
 Qp Claypan and salt lake deposits – clay, silt, sand and gravel in larger claypans and coastal saline lakes



Qb **BIBRA LIMESTONE** : shelly calcarenite to calcirudite; shallow marine and beach ridge deposits; minor calcretization
 Qdc **Carbla Oolite Member** : oolitic calcarenite; coastal dune and ? shallow marine deposits; extensively calcareated; forms low ridges
 Qd **DAMPIER LIMESTONE** : shelly calcarenite to calcirudite; shallow marine and beach ridge deposits; extensively calcareated
 Qbd Undifferentiated; commonly obscured by thin alluvial/diluvial layer



Qab Alluvium – deposits of Brown Channel, Gascoyne River; poorly sorted silt, sand, gravel and clay; partly calcareated
 Qed Sandridges marking ancient drainage lines of Gascoyne River; predates Brown Channel
 Qpe Older eolianite – yellowish to rusty brown quartz sandstone; ubiquitous soil structures



Czk Calcrete – nodular, pisolitic and laminated well-indurated authigenic limestone duricrust; includes minor gypcrete in Gascoyne Junction area
 Czn **NADARRA FORMATION** : micritic limestone and calcareated mudstone; lacustrine
 Czc Older alluvial, colluvial and diluvial deposits – consolidated clay, silt, sand and gravel



Tl **LAMONT SANDSTONE** : fine to very coarse-grained silicified quartz arenite; generally moderately sorted; ? shallow marine
 Tp **PINDILYA FORMATION** : medium-grained to pebbly, poorly sorted sandstone and sandy siltstone; ? alluvial; mostly silcreted



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



Tg **GIRALIA CALCARENITE** : glauconitic, bioclastic limestone; greenish to brownish colour, locally quartzose; shallow marine



Kt **TOOLONGA CALCILUTITE** : marly, greenish and white calcilutite, minor chert; commonly poorly exposed; low energy marine shelf



Kw **WINDALIA RADIOLARITE** : radiolarian siltstone; variably porcellanized, locally varicoloured; low energy marine shelf



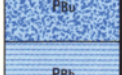
Kb **BIRDONG SANDSTONE** : medium-grained quartz sandstone; moderately sorted, commonly ferruginized; high energy shallow marine



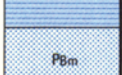
Pbn **NALBIA SANDSTONE** : quartz wacke, subordinate sandy siltstone; bioturbated and fossiliferous; shallow marine



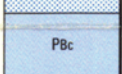
Pbw **WANDAGEE FORMATION** : siltstone and fine quartz wacke; bioturbated and fossiliferous; offshore and shallow marine



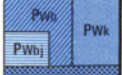
Pbu **CUNDLEGO FORMATION** : quartz wacke, siltstone and shale; locally fossiliferous; shallow marine; commonly outcrops as ridges of calcareous, well-indurated quartz wacke



Pbb **BULGADOO SHALE** : shale, siltstone, minor quartz wacke; variably calcareous, fossiliferous; offshore marine



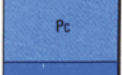
Pbm **MALLENS SANDSTONE** : quartz wacke, minor quartz arenite; bioturbated and crossbedded; shallow marine



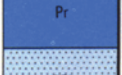
Pbc **COYRIE FORMATION** : siltstone, claystone, quartz wacke; commonly thin-bedded; offshore and shallow marine



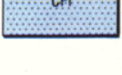
Pwbj **BILLIDEE FORMATION (Pwbj)** : feldspathic and quartz wacke, siltstone; commonly thin-bedded; shallow marine
 Pwk **Jimba Jimba Calcarene Member (Pwbj)** : friable calcisiltite and hard fossiliferous calcarenite; shallow marine with calcarenite shoals
KEOGH FORMATION (Pwk) : siltstone, sandstone, minor claystone; poorly exposed; shallow marine to deltaic



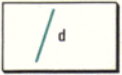
Pwr **MOOGOOLOO SANDSTONE** : quartz arenite; minor pebble conglomerate, quartz wacke, feldspathic wacke and siltstone; deltaic and shallow marine



Pc **CALLYTHARRA FORMATION** : friable calcareous siltstone (lower), interbedded with hard calcarenite (upper); fossiliferous; shallow marine with calcarenite shoals

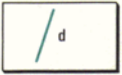


Pr **CARRANDIBBY FORMATION** : micaceous and calcareous siltstone, sandstone and claystone; fossiliferous; shallow marine, locally glaciogene



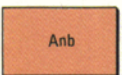
Cpl **LYONS FORMATION** : quartz wacke, shale, siltstone and tillite; contains numerous glacial erratics; continental and marine, glaciogene

PROTEROZOIC



d Dolerite dyke of variable Proterozoic age (may be weakly metamorphosed)

ARCHAean



Anb Banded microcline-plagioclase-quartz-biotite gneiss; coarse to fine-grained; migmatitic in part

CAINOZOIC

QUATERNARY

HOLOCENE
PLEISTOCENE TO HOLOCENE

PLEISTOCENE

PLEISTOCENE

? MIOCENE TO PLEISTOCENE

MIOCENE

TERTIARY

MIOCENE TO OLIGOCENE

EOCENE

MESOZOIC

CRETACEOUS

SANTONIAN TO MAASTRICHTIAN

ALBIAN

APTIAN

PALAEZOIC

PERMIAN

ARTINSKIAN

Byro Group

Wooramel Group

SAKMARIAN

? CARBONIFEROUS

Commonly ferruginized and poorly exposed as ferruginized gibber