

CAINOZOIC

QUATERNARY

Bossut Formation

Qa Sand, silt, clay; minor gravel: alluvial

Ql Clay, silt, sand; minor gypsum: lacustrine

Qs Sand, silt; minor gravel: mixed alluvial and aeolian

Qz Red quartz sand, fine to medium; minor silt: aeolian

Qcd Calcareous sand, partly oolitic: coastal aeolian. Includes reworked Qpb

Qci Silty clay, black organic clay; minor salt: Intertidal and mangrove swamp

Qpb Quartzose calcarenite, fine to coarse calcilutite; partly oolitic, cross-bedded; fossiliferous: shoreline beach-ridges

Qcs Clay, silt, sand; minor salt: supratidal mud flat deposits

Czk Calcrete; minor chalcedony: evaporitic, pedogenic

Czs Sand, silt, ferruginous pisoliths; minor gravel and clay: pedogenic; residual plains overlying Cz1

Cz1 Laterite, pisolitic or massive: pedogenic

MESOZOIC

EARLY
CRETACEOUS

Frezier Sandstone

Kf Sandstone, fine to coarse, poorly sorted, feldspathic, poorly bedded, some relict cross-bedding; minor conglomerate: fluvial to deltaic, partly pedogenic

Parda Formation

Kp Mudstone; minor fine sandstone lenses, thin-bedded or massive: lagoonal?

Broome Sandstone

Kb Sandstone, fine to medium, well-sorted; mudstone in part; minor conglomerate; ripple-marked, cross-bedded; minor bioturbation; plant fossils: shallow water marine. Section and rock relationship diagram only

LATE
JURASSIC TO
EARLY
CRETACEOUS

Callawa Formation

JKc Sandstone, very fine to coarse; pebble conglomerate; cross-bedded; minor siltstone; bioturbated plant fossils: fluvial

Jarlemai Siltstone

JKr Mudstone, sandy, glauconitic, fossiliferous: marine

LATE JURASSIC

Alexander Formation

Ja Sandstone, fine to medium, interbedded mudstone, bioturbated: marine

EARLY? TO
LATE JURASSIC

Wallal Sandstone

Jl Sandstone; minor siltstone, conglomerate, coal; palynomorphs: continental to shallow marine

TRIASSIC

Blina Shale

Rb Siltstone, shale, grey, micaceous, carbonaceous, with thin sandstone lenses: shallow water marine

PALAEOZOIC

LATE PERMIAN

Chirup Formation

Pc Shale, grey to black, sandy, carbonaceous; interbedded sandstone, fine to conglomeratic; palynomorphs: paralic

EARLY PERMIAN

Grant Group

Pg Sandstone, fine to coarse; mudstone; minor conglomerate: glacial marine

LATE ORDOVICIAN?
TO
EARLY DEVONIAN

Carribuddy Formation

Sc Dolomite, dolomitic siltstone, shale, halite, anhydrite; minor sandstone: mainly non-marine

MIDDLE ORDOVICIAN

Goldwyer Formation

Oa Shale, black, fossiliferous, calcareous, pyritic; interbedded limestone, dolomite; minor siltstone: marine

EARLY ORDOVICIAN

Willara Formation

Ow Limestone, dolomitic, fossiliferous; interbedded shale and siltstone: marine

Nambuet Formation

Ot Shale, grey to green; interbedded limestone and fine to coarse sandstone: marine

PRECAMBRIAN

pC Igneous, metamorphic, and sedimentary rocks