REFERENCE

CAINOZOIC — QUATERNARY — HOLOCENE

Qs | Qsh | Qu | Qm

- Qs — Beach, beach ridge and coastal dune deposits – calcarenite, locally predominantly ooids
- Qsh — **HAMELIN COQUINA** : beach ridges, coquina of small *Fragum erugatum* shells
- Qu — Supratidal flat deposits – shelly lime -silt, -sand, and -gravel; minor authigenic gypsum and salt
- Qm — Tidal flat deposits – shelly lime -silt, -sand, and -gravel; extensively bound by algal mats; abundant stromatolites

CAINOZOIC — QUATERNARY — PLEISTOCENE TO HOLOCENE

Qa | Qc | Ql | Qlg | Qle | Qk | Qe

- Qa — Alluvium – clay, silt, sand, and gravel; locally calcreted
- Qc — Colluvium – poorly sorted clay, silt, sand, and gravel; sheet flood and soil creep deposit
- Ql — Claypan and salt lake deposits – clay, silt, sand, and gravel; locally authigenic gypsum and salt
- Qlg — Lake-derived dune deposits – silt, sand; locally gypsiferous
- Qle — Claypan and dune deposits – clay, silt, sand, minor gravel and gypsum; locally calcreted
- Qk — Calcrete – friable, earthy limestone; authigenic in valley-fill deposits
- Qe — Sandplain and dune deposits – reddish-brown to yellowish sand

CAINOZOIC — QUATERNARY — PLEISTOCENE

Qbd — Undifferentiated

Qb — **BIBRA LIMESTONE** : shelly calcarenite to calcirudite; shallow marine and beach ridge deposits; minor calcretization

Qdc — **Carbla Oolite Member** : oolitic calcarenite, minor conglomerate; shallow marine and coastal dune deposits; extensively calcreted

Qd — **DAMPIER LIMESTONE** : shelly calcarenite to calcirudite; shallow marine and beach ridge deposits; extensively calcreted

Qp | Qpe

- Qp — **PERON SANDSTONE** : red, quartz sandstone; common soil structures; eolian
- Qpe — Older inland eolianite – yellowish-rusty brown quartz sandstone; ubiquitous soil structures

CAINOZOIC — TERTIARY — MIOCENE TO PLEISTOCENE

Czk — Calcrete – brecciated, pisolithic, well indurated calcilutite; duricrust on **TOOLONGA CALCILUTITE**

Czl | Czb

- Czl — Laterite – pisolithic, vuggy, or massive ironstone; duricrusted soil deposit
- Czb — Silcrete – intensely silicified sandstone; duricrusted soil deposit

CAINOZOIC — TERTIARY — ?MIDDLE MIOCENE

Tl | Tp

- Tl — **LAMONT SANDSTONE** : fine to very coarse-grained, well-sorted quartz arenite; shallow marine; mostly silcreted
- Tp — **PINDILYA FORMATION** : ranges from medium-grained to pebbly, poorly sorted sandstone; ? alluvial; mostly silcreted

CAINOZOIC — TERTIARY — EOCENE

Tg — **GIRALIA CALCARENITE** : glauconitic, bioclastic calcarenite; shallow marine

MESOZOIC — CRETACEOUS — SANTONIAN–CAMPANIAN

Kt — **TOOLONGA CALCILUTITE** : marly, greenish calcilutite, minor chert, locally dolomite in tidal flats; open shelf

PALAEOZOIC — PERMIAN — ARTINSKIAN

Pg — **HIGH CLIFF SANDSTONE** : quartzose to feldspathic sandstone, basal lag conglomerate; paralic deposit
Includes minor **KEOGH FORMATION** : siltstone, sandstone, minor claystone; paralic

PALAEOZOIC — PERMIAN — SAKMARIAN

Ph — **HOLMWOOD SHALE** : white weathering, micaceous claystone to calcareous claystone, minor limestone; open marine

PROTEROZOIC — MIDDLE-LATE PROTEROZOIC

Pd — Dolerite dyke or sill

Badgeradda Group

PAw — **WOODRARRUNG SANDSTONE** : cross-bedded, coarse-grained sandstone

PAb — **BILILLY FORMATION** : thin-bedded siltstone, sandstone

P(s) | P(q)

- P(s) — Unassigned – phyllitic pelite, sandstone
- P(q) — Unassigned – quartzose sandstone to quartzite