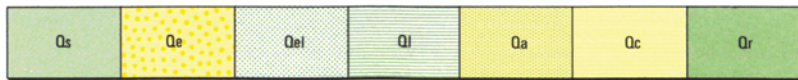


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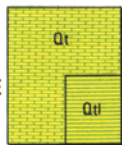
HOLOCENE –
PLEISTOCENE



- Qs Beaches and mobile coastal dunes – quartzose calcarenite
- Qe Eolian and residual sand – red-brown and yellow quartz sand
- Qel Mixed dune and playa terrain – clay, silt, sand and gravel
- Ql Larger playas – poorly sorted clay, silt, sand and gravel
- Qa Alluvium – clay, silt, sand and gravel, in places calcareated
- Qc Colluvium – clay, silt, sand and gravel; formed by sheet flood and deflation
- Qr Residual soil derived from Northampton Block – clay, silt and sand

QUATERNARY

PLEISTOCENE –
EARLY HOLOCENE



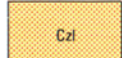
- Qt **TAMALA LIMESTONE** : calcarenite with calcrete soils; eolian
- Qtl Lithified Tamala Limestone

? LATE PLIOCENE
– PLEISTOCENE



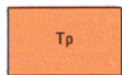
- Cze Older eolian sand – reddish quartz sand with ubiquitous soil structures
- Cza Older, high-level alluvium – poorly sorted clay, silt, sand and gravel
- Czk Calcrete – lumpy, nodular and massive authigenic limestone; duricrust and valleyfill

PLIOCENE
– MIOCENE



- Czl Laterite – pisolitic vuggy and massive ironstone, minor ferruginized sandstone

MIOCENE



- Tp **PINDILYA FORMATION** : poorly sorted sandstone, conglomerate; ? fluvatile. Includes minor authigenic silcrete

CAMPANIAN
– SANTONIAN



- Kt **TOOLONGA CALCILUTITE** : chalky calcilutite to calcisiltite; shallow marine

TURONIAN –
CENOMANIAN



- Ka **ALINGA FORMATION** : glauconitic clayey siltstone to greensand; shallow marine
- Ku Toolonga Calcilutite and Alinga Formation, undifferentiated

ALBIAN



- Kw **WINDALIA RADIOLARITE** : radiolarian siltstone; commonly porcellanized; marine

APTIAN



- Kb **BIRDRONG SANDSTONE** : well-sorted, friable sandstone; commonly glauconitic; shallow marine
- Kl Windalia Radiolarite and Birdrong Sandstone, undifferentiated

JURASSIC



- Jc **CHAPMAN GROUP** : poorly sorted sandstone to conglomerate; ? fluvatile; identification uncertain

CRETACEOUS
AND LOWER
TRIASSIC



- Ms Sequence of Birdrong Sandstone, Kockatea Shale and Wittecarra Sandstone; south of Red Bluff, cliff exposure

ARTINSKIAN



- Pg **HIGH CLIFF SANDSTONE** : coarse-grained quartzofeldspathic sandstone; ? marine

SAKMARIAN

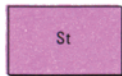


- Ph **HOLMWOOD SHALE** : chalky, unfossiliferous siltstone; marine



- Pn **NANGETTY FORMATION** : tillitic clayey siltstone and sandstone; glaciogene

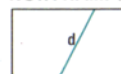
SILURIAN



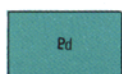
- St **TUMBLAGOODA SANDSTONE** : red-bed sequence; sandstone, siltstone, minor conglomerate; fluvatile, and marginal marine

MARGINAL TO YILGARN BLOCK

NORTHAMPTON BLOCK



- d Dolerite or gabbro dyke

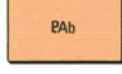


- Ed Meta-dolerite sill

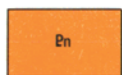
Badgeradda Group



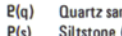
- BAu **WOODRARRUNG SANDSTONE** : medium to coarse-grained sandstone



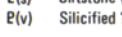
- BAb **BILILLY FORMATION** : fine-grained sandstone and siltstone



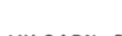
- En **NILLING FORMATION** : cleaved quartzose and feldspathic sandstone



- P(q) Quartz sandstone, locally quartzitic

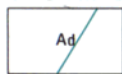


- P(s) Siltstone (locally phyllite) with minor quartzose and feldspathic sandstone

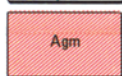


- P(v) Silicified ? basalt

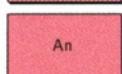
YILGARN BLOCK



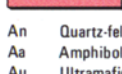
- Ad Dolerite dyke, locally metamorphosed to amphibolite



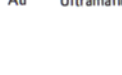
- Agm Medium-grained, foliated granite



- An Quartz-feldspar-mica gneiss



- Aa Amphibolite



- Au Ultramafic rock

MIDDLE-LATE PROTEROZOIC

ARCHAEOAN
(ca 3000 my)

1040 ± 50 my



- Emg Garnet (- sillimanite) granulite, local quartzite, gneiss, pegmatite and graphitic schist
- Emn Quartz-feldspar gneiss, local quartzite, granulite, amphibolite and schist
- Emq Quartzite with associated quartz-feldspar gneiss
- Emp Granitic gneiss with megacrysts