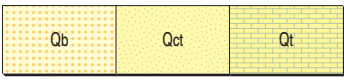


PHANEROZOIC

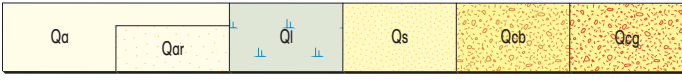
CAINOZOIC

QUATERNARY



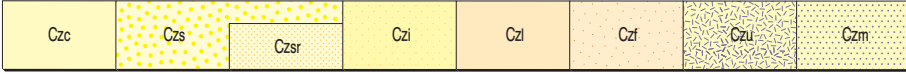
Qb Beach sand—quartz and calcareous sand on beaches and in unstable dunes
Qct Coastal dune sand, derived by reworking of Qt
Qt Consolidated coastal deposits—calcareneite, locally shelly; forms consolidated dunes and foreshore reefs; equivalent to TAMALA LIMESTONE

Coastal deposits



Qa Alluvium—clay, silt, and gravel in channels
Qar Reworked Cainozoic deposits—clay, silt, and sand in broad floodplains of mature drainage
Ql Lacustrine deposits—clay and silt in claypans and swamps
Qs Eolian deposits—sand in sheets and dunes
Qcb Colluvium—rubble of boulders and sand derived from MOUNT BARREN GROUP; minor outcrops of MOUNT BARREN GROUP
Qcg Colluvium—rubble of boulders and sand derived from granitoid rock and granitoid gneiss; minor outcrops of granitoid rock

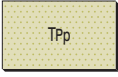
Inland deposits



Czc Colluvium—clay, silt, and rock fragments
Czs Sandplain deposits—unconsolidated sand; remnants of peneplain
Czsr Sandplain, undulating; reworked Czs
Czi Sand with limonitic pisoliths and gravel
Czl Lateritic deposits—laterite, ferruginous duricrust, and ferricrete; massive
Czf Ferruginous deposits—undifferentiated; mainly ferruginous quartz sand and granules, and angular rock fragments with ferruginous cement
Czu Silcrete—brown silica caprock over ultramafic rock
Czm Magnesite—massive to nodular; mainly developed over ultramafic rock

TERTIARY

Plantagenet Group



Tpp PALLINUP SILTSTONE: white to yellow to brown siltstone, silty sandstone, and spongolite; mainly deeply weathered

BREMER BASIN

PROTEROZOIC

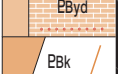
Mount Barren Group



EC COWERDUP SILL: dolerite and quartz dolerite, metamorphosed, and mafic to ultramafic schist



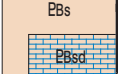
EBy KYBULUP SCHIST: pelitic schist and phyllite with minor psammitic layers



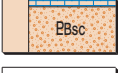
EByd Dolomite; metamorphosed; massive to finely bedded; locally ?stromatolitic; with calc-silicate rock and calcareous schist
EByl Limonitic unit (possibly gossanous after sulfides)



EBk KUNDIP QUARTZITE: quartzite, massive to coarsely bedded; minor pelitic beds



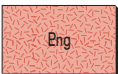
EBkc Oligomictic conglomerate; metamorphosed; quartzite clasts in psammitic matrix; massive to coarsely bedded



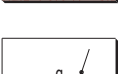
EBS STEERE FORMATION: conglomerate and dolomite; metamorphosed



EBSd Dolomite; metamorphosed; massive to finely bedded; locally ?stromatolitic
EBSc Conglomerate; metamorphosed; quartzite clasts in psammitic matrix; massive to coarsely bedded

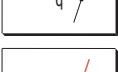


Ed Dolerite dyke, partly interpreted from aerial photography; interpreted from aeromagnetic data where dashed

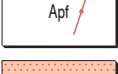


Eng MUNGILINUP GNEISS: granitoid gneiss, heterogeneous; mainly derived from Archaean granite, granodiorite, tonalite, and pegmatite

Branup Complex



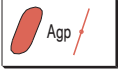
q Quartz vein



Apf Feldspar(-quartz) porphyry dyke



Agm Biotite monzogranite and granodiorite; massive to weakly recrystallized



Agp Pegmatite, granitic to tonalitic



Agn Gneissic granitoid rock; compositions include trondhjemite, tonalite, granodiorite, and syenogranite
Agnb Interleaved gneissic granitoid rock and greenstones



AI Metasedimentary rocks, undivided; deeply weathered
Aur Tremolite-rich rock and schist; locally with pseudomorphs after metamorphic olivine

Cocoranup greenstones



AY MANYUTUP TONALITE: tonalitic complex; metamorphosed (Simplified Geology map only)

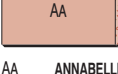


AYt Tonalite and quartz diorite; massive, coarse-grained, and equigranular; metamorphosed
AYtm Tonalite, diorite, and tonalite porphyry; massive, medium-grained, and equigranular to porphyritic; metamorphosed

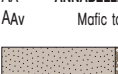


AYd Dolerite; metamorphosed

Revenshorpe Terrane

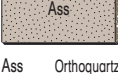


AA ANNABELLE VOLCANICS: calc-alkaline volcanic association; metamorphosed (Simplified Geology map and section only)
AAv Mafic to intermediate tuff and agglomerate, and related epiclastic rocks (mainly andesite); subordinate dacite; metamorphosed

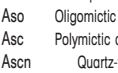


Ass Orthoquartzite
Aso Oligomictic conglomerate; orthoquartzite clasts in psammitic matrix
Asc Polymictic conglomerate and greywacke; metamorphosed
Asc Quartz-feldspar-biotite-hornblende gneiss and schist; deformed Asc
Ac Chert; metamorphosed

YILGARN CRATON



Afv Felsic volcanic rock; dacite and rhyolite; metamorphosed
Afvn Felsic gneiss, fine-grained; deformed Afv



AH HATFIELD FORMATION: pelite, psammitic, and metamorphosed chemical sedimentary and felsic volcanic rocks

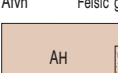


AHf Epiclastic sedimentary rock (metamorphosed) and felsic schist
AHl Limonitic unit (?after metamorphosed sulfides); massive to bedded
AHp Shale, siltstone, and greywacke; metamorphosed
AHpb Pelitic schist and slate with porphyroblasts of andalusite, garnet, and chloritoid
AHs Sandstone and siltstone, metamorphosed, with thin chert and pelitic interbeds
AHv Felsic volcanic rock; mainly dacite; metamorphosed

Calligup Terrane



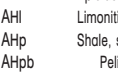
AM MAYDON BASALT: undivided mafic rocks; metamorphosed (Simplified Geology map and section only)
AMa Amphibolite
AMb Basalt, variolitic and vesicular; metamorphosed
AMd Dolerite; metamorphosed



AB BANDALUP ULTRAMAFICS: undivided ultramafic rocks (Simplified Geology map and section only)



ABi Banded iron-formation; metamorphosed
ABk Komatiite, metamorphosed; chlorite-tremolite rock and schist
ABp Peridotite, olivine orthocumulate and mesocumulate; metamorphosed
ABr Tremolite-rich rock and schist; local pseudomorphs after metamorphic olivine
ABt Talc(-chlorite-tremolite-carbonate) schist



AC CHESTER FORMATION: pelite, psammitic, and metamorphosed chemical sedimentary rocks (Simplified Geology map only)



ACc Chert; metamorphosed
ACf Quartz-feldspar-hornblende rock (metamorphosed) and schist; includes ACi and ACpb at some localities
ACg Grit; chert and quartz fragments in a ferruginous, sandy matrix; metamorphosed
ACi Banded iron-formation; metamorphosed
ACi Limonitic unit (?after metamorphosed sulfides); massive to bedded
ACp Shale, siltstone, and greywacke; metamorphosed
ACpb Pelitic schist and slate with porphyroblasts of andalusite, garnet, chloritoid, stauralite, and cordierite
ACs Sandstone and siltstone with thin chert and pelitic beds; metamorphosed