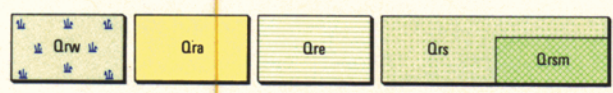


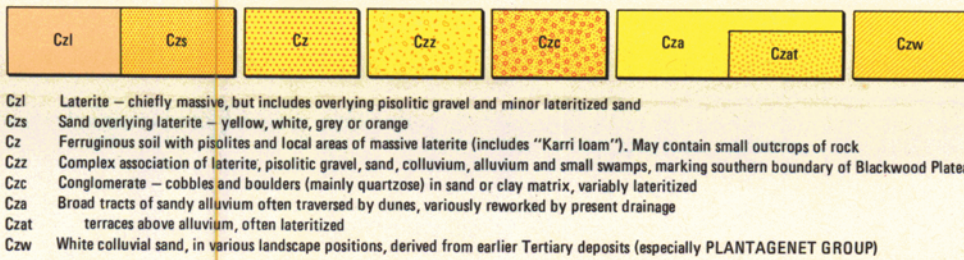
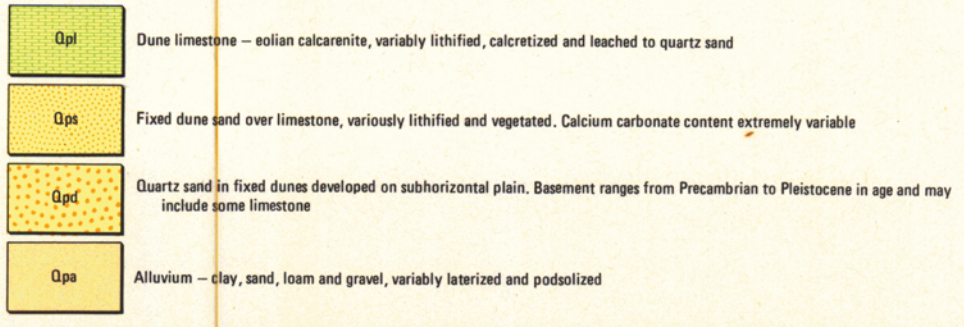
REFERENCE



Qrw Swamp and lacustrine deposits – peat, peaty sand and clay
 Qra Alluvium – clay, sand and loam
 Qre Estuarine, lagoonal and lacustrine deposits – clay, silt, marl with shell beds
 Qrs Eolian and beach lime sand – slightly lithified and vegetated
 Qrsm calcareous quartz sand (mobile dunes)

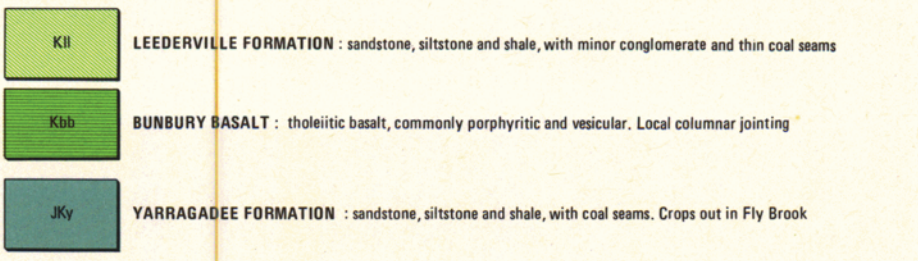


Qrc Colluvium, including valley-fill deposits, variably lateritized and podsolized
 Qrcs Colluvium – sand, often associated with older drainage courses
 Qsp Thin veneer of sand with bands of ferruginous pisolites, overlying Precambrian rocks
 Qas Sand – variously reworked, associated with older stream channels
 Qrp Hummocky calcareous sand with peaty horizons and small freshwater swamps, forming narrow coastal plain

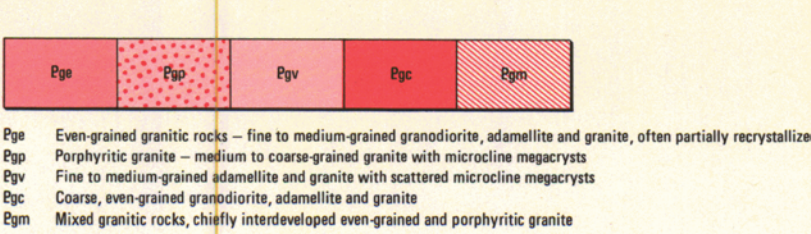


Czl Laterite – chiefly massive, but includes overlying pisolitic gravel and minor lateritized sand
 Czs Sand overlying laterite – yellow, white, grey or orange
 Cz Ferruginous soil with pisolites and local areas of massive laterite (includes “Karri loam”). May contain small outcrops of rock
 Czz Complex association of laterite, pisolitic gravel, sand, colluvium, alluvium and small swamps, marking southern boundary of Blackwood Plateau
 Czc Conglomerate – cobbles and boulders (mainly quartzose) in sand or clay matrix, variably lateritized
 Cza Broad tracts of sandy alluvium often traversed by dunes, variously reworked by present drainage
 Czat terraces above alluvium, often lateritized
 Czw White colluvial sand, in various landscape positions, derived from earlier Tertiary deposits (especially PLANTAGENET GROUP)

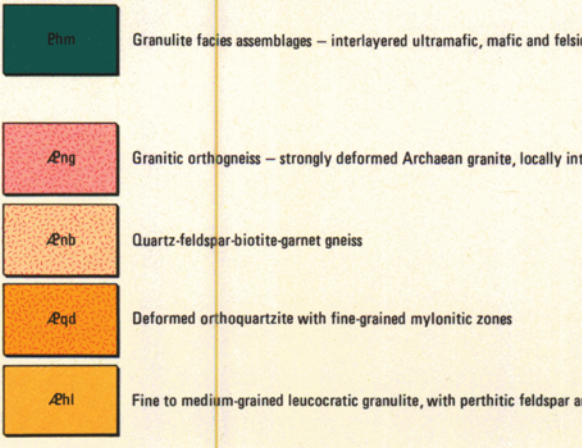
Tpe Estuarine, lagoonal and lacustrine deposits – numerous small lakes and swamps. Linear dunes common
 Tg Alluvial, lacustrine and (?) shallow marine deposits, strongly lateritized in part – conglomerate, grit, sand and clay (includes and overlies some WERILLUP FORMATION of the PLANTAGENET GROUP). Preserved mainly along drainage divides
 Tgg Sand rich in quartz fragments, pebbles and grit, derived locally from underlying quartz rocks



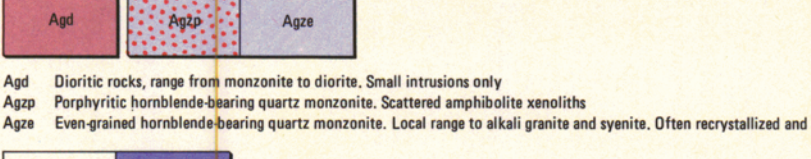
Tep **PALLINUP SILTSTONE** : grey-brown siltstone and rare spongolite overlain by white residual sand. Local marine fossils
 Klil **LEEDERVILLE FORMATION** : sandstone, siltstone and shale, with minor conglomerate and thin coal seams
 Kbb **BUNBURY BASALT** : tholeiitic basalt, commonly porphyritic and vesicular. Local columnar jointing
 JKy **YARRAGADEE FORMATION** : sandstone, siltstone and shale, with coal seams. Crops out in Fly Brook



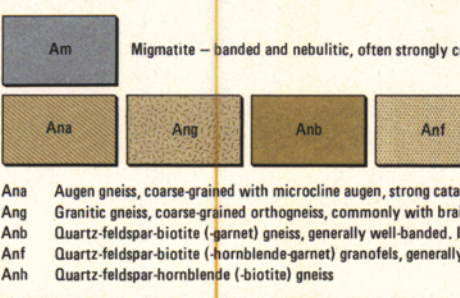
Mafic dykes – fine to coarse-grained doleritic and gabbroic dykes, variously altered and metamorphosed
 Granite dykes and veins
 Pegmatite and aplite veins – late intrusions in granitic complexes
 Pegmatite dykes and veins – foliated and deformed intrusions in the gneisses north of Pemberton
 Quartz dykes and veins



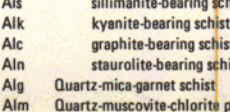
Ege Even-grained granitic rocks – fine to medium-grained granodiorite, adamellite and granite, often partially recrystallized
 Egp Porphyritic granite – medium to coarse-grained granite with microcline megacrysts
 Egv Fine to medium-grained adamellite and granite with scattered microcline megacrysts
 Egc Coarse, even-grained granodiorite, adamellite and granite
 Egm Mixed granitic rocks, chiefly interdeveloped even-grained and porphyritic granite
 Em Migmatite – nebulitic or with strongly contorted banding. Palaeosome often a streaked-out augen gneiss
 Ena Augen gneiss, coarse-grained with microcline augen, strong cataclastic foliation. Derived from porphyritic granite
 Eng Granitic gneiss, coarse-grained orthogneiss
 End Granitic gneiss, intensely deformed orthogneiss with conjugate folds common
 Enb Quartz-feldspar-biotite (-garnet) gneiss
 Enh Quartz-feldspar-hornblende (-biotite) gneiss



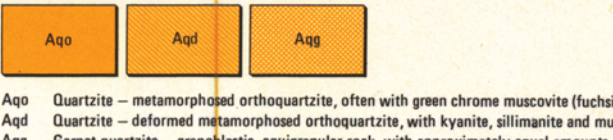
Ehm Granulite facies assemblages – interlayered ultramafic, mafic and felsic units containing ortho- and clinopyroxene
 Eng Granitic orthogneiss – strongly deformed Archaean granite, locally interdeveloped with less deformed material
 Enb Quartz-feldspar-biotite-garnet gneiss
 Egd Deformed orthoquartzite with fine-grained mylonitic zones
 Ehl Fine to medium-grained leucocratic granulite, with perthitic feldspar and hypersthene



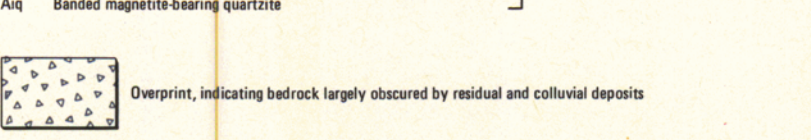
Age Even-grained granitic rocks – fine to medium-grained granodiorite, adamellite and granite
 Agc Coarse, even-grained adamellite and granite, grades into Age and Agv
 Agv Fine to medium-grained adamellite and granite with scattered microcline megacrysts
 Agg Leucocratic adamellite, fine to coarse-grained with abundant pegmatite
 Agd Dioritic rocks, range from monzonite to diorite. Small intrusions only
 Agzp Porphyritic hornblende-bearing quartz monzonite. Scattered amphibolite xenoliths
 Agze Even-grained hornblende-bearing quartz monzonite. Local range to alkali granite and syenite. Often recrystallized and lineated



Au Ultramafic bodies – peridotite and pyroxenite intrusions, variously deformed and metamorphosed to greenschist facies assemblages
 Aus Anthophyllite – talc schist



Am Migmatite – banded and nebulitic, often strongly contorted
 Ana Augen gneiss, coarse-grained with microcline augen, strong cataclastic foliation
 Ang Granitic gneiss, coarse-grained orthogneiss, commonly with braided biotite foliation, includes local augen gneiss and migmatite
 Anb Quartz-feldspar-biotite (-garnet) gneiss, generally well-banded. Includes blastomylonite along Darling Scarp
 Anf Quartz-feldspar-biotite (-hornblende-garnet) granofels, generally bluish with only weak foliation
 Anh Quartz-feldspar-hornblende (-biotite) gneiss



Alb Quartz-mica schist, biotite generally in excess of muscovite
 Als sillimanite-bearing schist
 Alk kyanite-bearing schist
 Alc graphite-bearing schist
 Aln staurolite-bearing schist
 Alg Quartz-mica-garnet schist
 Alm Quartz-muscovite-chlorite phyllitic schist
 Aa Amphibolite, hornblende-plagioclase (-clinopyroxene) rocks, also includes minor hornblendeite
 Aqo Quartzite – metamorphosed orthoquartzite, often with green chrome muscovite (fuchsite)
 Aqd Quartzite – deformed metamorphosed orthoquartzite, with kyanite, sillimanite and muscovite. Flaser to mylonitic texture
 Aqg Garnet quartzite – granoblastic, equigranular rock, with approximately equal amounts of garnet and quartz

Ai Undifferentiated – chiefly quartz-magnetite-grunerite assemblages
 Aiq Banded magnetite-bearing quartzite

Overprint, indicating bedrock largely obscured by residual and colluvial deposits

PHANEROZOIC

QUATERNARY

PLEISTOCENE

TERTIARY

MESOZOIC

JURASSIC CRETACEOUS

PRECAMBRIAN UNDETERMINED

PROTEROZOIC

ARCHAEAN

Archaean rocks intensely deformed and metamorphosed in the Proterozoic