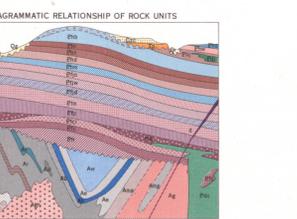


REFERENCE

- Q1 Alluvium. Unconsolidated fluvial deposits, mostly sands
- Q2 Colluvium. Unconsolidated to loosely consolidated slope deposits; talus and boulders common in steep parts of soil
- Q3 Aeolian sand. Red loamy sand in dunes and fixed sand dunes
- Q4 Filled deposits. Unconsolidated fluvial and stream-flood deposits in levees and river terraces
- Q5a Euvium. Residual, slightly cemented, fine-grained deposits; angular to sub-angular clasts and pebbles
- Q5b Euvium. Residual deposits of boulders and cobbles in clay; gullies
- Q6a Euvium. Residual sand and clay with quartz, feldspar, and mica grains; pebbles
- Q6b Alluvium. Unconsolidated gravel and pebble deposits of clay matrix; gullies
- Q7 Residual and alluvial sandy clay. Sandy part of clay-silt deposits; pebbles
- Q8 Residual and alluvial clay. Clay-silt deposits with gravel gravel veneer in places; some sheet channel, gullies, pebbles
- Q9 Alluvial pebbles and cobbles. Poorly consolidated gravel deposits
- Q10a Kuroku and porcellanite. Thin layers of white porcellanite in banks
- Q10b Kuroku layer earthy fracture on sheets and inscriptions; some secondary porcellanite
- Q11 Greyblite. Siliceous cementing kaolinitized and fresh granite; a fracture
- Q12a Carbonate. Consolidated hemipelagic siltstone, including hemipelagic-rich conglomerate (clasts) which contains fine (or) some boulder and siliceous interstratification
- Q12b Fracture. Fracture; ironstone, goethite, and hematite deposits with basal ironstone. Contains with ROBE POLYITE and POORLAND FORMATION
- Q13 Duricrust. Indurated crust on Precambrian rocks

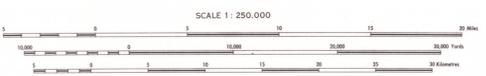
- D1a Dolomite. Altered medium-grained to coarse-grained dolomite and quartz-dolomite
- D1b Dolomite. Altered medium-grained dolomite into WEELI WOLLI FORMATION
- D2a COORA PODOA DOLOMITE. Intrusive massive and layered fine-grained to medium-grained dolomite with local impregnations, also crystalline CLIFF SPRINGS FORMATION
- D2b BOOLEEDA IRON FORMATION. Flaggy ironstone, siltstone, and shale
- D2c WOODGARRA VOLCANIC. Gneiss to dark-colored porphyritic and subvolcanic andesite and rhyolite lavas with granitic rocks
- D2d WEELI WOLLI FORMATION. Ironstone and shale
- D2e BROCKMAN IRON FORMATION. Thinly bedded ironstone, chert, and shale with beds of black shale, white dolomite, and dolomite; contains Chert and ironstone, and bodies of massive (iron ore) ironstone
- D2f MT. MURRAY SHALE. Fine-grained to medium-grained shale and dolomite with beds of black shale, white dolomite, and dolomite; contains ironstone nodules after pyrite
- D2g MT. YULIC FORMATION. Fine-grained to medium-grained shale and dolomite with beds of ironstone and dolomite. Contains ironstone nodules after pyrite
- D2h WITTENBOM DOLOMITE. Grey crystalline dolomite, with thin beds of chert and dolomite shale in the upper part
- D2i MARRA MAMBA IRON FORMATION. Fine-grained chert with prominent ironstone nodules, ironstone, and dolomite
- D2j ROY HILL SHALE Member. Fracture, iron-oxidized and variegated shale with dolomite shale in places. Carbonaceous and pyritic when unweathered; iron ore nodules at surface
- D2k WARRA Member. Laminated chert, fine-grained quartzite, shale, and sub-ordinate ironstone. Pyrite nodules, iron ore nodules at surface
- D2l WOODLAND SANDSTONE Member. Silicified mudstone, shale, siltstone, chert, fine-grained quartzite, and sandstone
- D2m MADONNA BASALT. Altered, amphibolized, micaceous, and massive basalt and dolomite shale with thin interstratification of tuffaceous siltstone
- D2n PILLINDRI TUFF. Bedded tuffs with volcanic; shale, siltstone, and sandstone beds; dolomite bed with columnar to basal interstratification of lava
- D2o Basalt
- D2p KYLERIA BASALT. Altered, massive, amphibolized, and columnar jointed basalt and dolomite shale; contains ironstone nodules
- D2q LYRE CREEK AGGLOMERATE Member. Bedded to massive agglomerate and tuff, with dolomite; indurated in part
- D2r CLIFF SPRINGS FORMATION. Acid tuff, tuffaceous shale, sandstone and conglomerate; with agglomerate at top
- D2s MT. ROBE BASALT. Altered amphibolized, vesicular columnar, and massive basalt; tuff; with dolomite shale; contains ironstone nodules
- D2t Basalt sandstone

- A1a Dolomite. Narrow, discontinuous, altered dolomite dykes
- A1b Metasedimentary gneiss. Medium-grained, argillaceous, iron-stained gneiss; and dolomite; with basic xenoliths
- A1c Porphyritic gneiss. Medium-grained to coarse-grained leucocratic gneiss with potash feldspar phenocrysts
- A1d Granite. Gneiss. Medium-grained, argillaceous, leucocratic gneiss; gneissic gneiss
- A1e Metasedimentary rocks
- A1f Amphibole schists
- A1g Massive, gneissic and granitic rocks
- A2a Quartzite, shale, chert and ironstone. Thin interstratification of amphibolized, iron-stained chert, dolomite, and ironstone; contains ironstone nodules and dolomite; contains ironstone nodules
- A2b Basic volcanic rocks. Altered grey gneiss, and black basic lavas, locally with dolomite shale; contains ironstone nodules, and bodies of porphyry. Includes RECAL FORMATION at Coora Ponds and Coonambra Ponds
- A2c Basalt. Blue and white banded chert; altered dolomite rocks
- A2d Granitic siltstone rocks. Orange-weathering, gneiss, amphibole and granular siltstone rocks with laminated bodies; associated porphyry
- A2e Slate. Cleaved shale and siltstone, with gneissic some ironstone, hemipelagic and siltstone shale, and chert; small bodies of porphyry
- A2f Coarse-grained amphibolite. Concentric bodies of altered basic rock
- A2g Ultramafic rocks. Amphibole-schistose-mylonitic rocks. Alas, quartz-gneiss and shale; chert; associated porphyry
- A2h Coarse-grained amphibolite. Concentric body of altered basic rock; locally talc-chlorite schist. Contains auriferous quartz veins
- A2i Gneiss and shale. Cleaved quartz-gneissic and shale. Locally metamorphosed
- A2j Coarse-grained amphibolite. Concentric body of altered basic rock



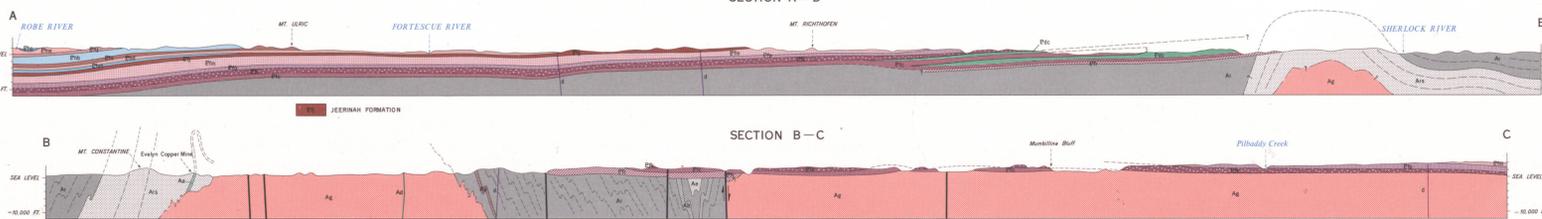
- SYMBOLS**
- Geological boundary
 - Fault definite
 - Fault inferred
 - Fault concealed
 - Slope and dip of strata
 - Slope of vertical strata
 - Slope and dip of overturned strata
 - Horizontal strata
 - Slope and dip of strata from air photos
 - dip less than 15°
 - dip 15° to 45°
 - Top of bed
 - Trend line
 - Mine adit
 - Dike field
 - Slope and dip of foliation
 - Slope of vertical foliation
 - Slope and dip of play flow
 - Slope of vertical play flow
 - Joint pattern
 - Massifal occurrence
 - Goldfield boundary
 - Highway
 - Ferrous road
 - Track
 - Railway
 - Landing ground
 - Homestead
 - Locality
 - Mine topographical station
 - Watercourse (non perennial)
 - Pan
 - Well or bore with windmill
 - Well
 - Bore
 - Spring
 - Fraction doubtful
 - Abandoned
 - Mining area
 - Prospect
 - Aerial workings
 - Mineral occurrence
 - Astheny
 - Beryliferous
 - Chrysolite
 - Crocidolite
 - Copper
 - Salt
 - Hematite
 - Lead
 - Tin

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TRANSVERSE MERCATOR PROJECTION
ZONE 1, AUSTRALIAN SERIES

DIAGRAMMATIC SECTIONS
NATURAL SCALE



INDEX TO ADJOINING SHEETS

DAMPER SF 50-4	ROBELOUNE SF 50-5	PORT HEDLAND SF 50-4
YARRALLOOLA SF 50-6	PYRAMID SF 50-7	MARBLE BAR SF 50-8
WYLOO SF 50-10	MT BRIDGE SF 50-9	ROY HILL SF 50-12

