



Colluvial units

C1 Colluvial sand, silt, and gravel in outwash fans; scree and talus; proximal mass-wasting deposits; unconsolidated
C1f Ferruginous colluvium; unconsolidated silt, sand, and rock debris; proximal mass-wasting deposits

Low-gradient slope deposits

W1 Silt, sand, and pebbles in distal sheetwash fans; no defined drainage
W1f Ferruginous sheetwash deposits; silt, sand, and ferruginous nodules in distal outwash fans

Alluvial units

Alc Sand, silt, and gravel in active drainage channels; includes clay, silt, and sand in poorly defined drainage courses on floodplains
Afr Floodplain deposits; sand, silt, clay, and gravel adjacent to main drainage channels
Afrcb Clay, silt, sand, and basaltic or doleritic gravel on floodplains; gilgai surface in areas of expansive clay; derived from erosion of ferromagnesian parent rock



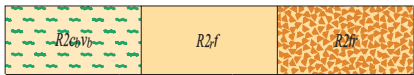
Sandplain unit

S2 Sandplain deposits; sand of mixed residual, sheetwash, and eolian origin



Colluvial units

C2 Partly consolidated colluvial sand, silt, and gravel in proximal outwash fans; scree and talus; dissected by present-day drainage
C2fr Ferruginous colluvium; partly consolidated silt, sand, and rock debris; locally includes residual material; proximal mass-wasting of ferruginous duricrust

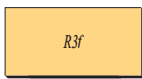


Residual or relict units

R2cb Residual and sheetwash clay and silt containing fragments of basalt; expansive clay with gilgai surface; overlies basalt on areas of plateau; locally dissected by present-day drainage
R2f Ferruginous duricrust; includes massive, pisolitic, and nodular ferricrete; dissected by present-day drainage
R2fr Partly degraded ferruginous duricrust, deeply weathered rock, and ferruginous colluvium; dissected by present-day drainage



OAKOVER FORMATION: calcareous sandstone, siltstone, silty limestone, and marl; lacustrine deposit



Residual or relict unit

R3f Ferruginous duricrust and ferruginous colluvium; locally includes ferruginous alluvium; consolidated to partly consolidated; related to Hamersley Surface; dissected by present-day drainage



RZq Quartz vein; various generations of uncertain age
RZo Dolerite or gabbro dyke; various generations of uncertain age



JEERINAH FORMATION

AFOj-s Lithic sandstone, mudstone, and pebble conglomerate
AFOj-sh Shale and minor siltstone
AFOj-xcl-kd Shale, chert, and dolomite; decimetre- to metre-scale bedding; includes uncommon small, domical stromatolites in dolomite
AFOj-kd Thin-bedded dolomite; minor chert and shale
AFOj-cl Thin-bedded chert and silicified shale and mudstone; minor sandstone
AFOj-xbb-od Basalt and dolerite



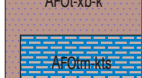
MADDINA FORMATION: basalt and minor andesite, dacite, and dolerite sills



Basalt; massive, fine grained, vesicular, and doleritic; thick flows and/or sills, to thin flows; local very coarse gas cavities filled with quartz



Basaltic to andesitic volcanoclastic sandstone, siltstone, and shale



TUMBIANA FORMATION: basaltic volcanic rocks and carbonate rocks



Meentheena Member: lenticular units of stromatolitic, dark-grey siliceous limestone or dolomite within laterally variable sequences of volcanoclastic sandstone and siltstone (accretionary lapilli), calcareous sandstone, shale, and basalt; local quartz sandstone and conglomerate



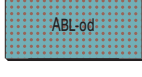
Mingah Member: basaltic to andesitic volcanoclastic sandstone and siltstone (common accretionary lapilli), and local quartz sandstone, shale, and thin lenticular stromatolitic carbonate units; locally thick basalt flows



KYLENA FORMATION
 Massive and amygdaloidal basaltic andesite; minor basalt and andesite; minor basaltic fragmental rock



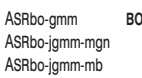
Massive, vesicular, and amygdaloidal basalt and andesite



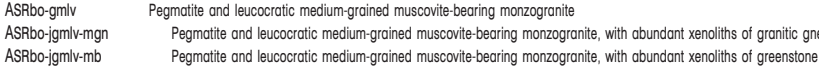
Massive to vesicular basalt



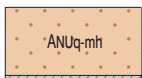
Basaltic fragmental rock



Black Range Dolerite Suite: dolerite dyke; local gabbro; weakly metamorphosed



BONNEY DOWNS GRANITE: medium-grained monzogranite; sparsely porphyritic; locally muscovite-bearing
ASRbo-jgmm-mgn Medium-grained monzogranite, sparsely porphyritic, and locally muscovite-bearing, with abundant xenoliths of granitic gneiss
ASRbo-jgmm-mb Medium-grained monzogranite, sparsely porphyritic, locally muscovite-bearing, with abundant xenoliths of greenstone and granitic gneiss
ASRbo-gmlv Pegmatite and leucocratic medium-grained muscovite-bearing monzogranite
ASRbo-jgmlv-mgn Pegmatite and leucocratic medium-grained muscovite-bearing monzogranite, with abundant xenoliths of granitic gneiss
ASRbo-jgmlv-mb Pegmatite and leucocratic medium-grained muscovite-bearing monzogranite, with abundant xenoliths of greenstone and granitic gneiss



MOSQUITO CREEK FORMATION
 Metamorphosed sandstone, siltstone, and shale; graded bedding, and local cross-bedding; includes metamorphosed turbidite deposits

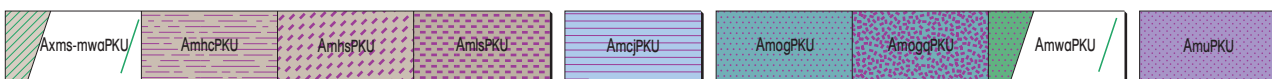


COONDAMAR FORMATION

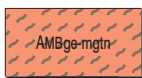
ANUc-xms-mwa Chlorite-actinolite schist, quartz-muscovite schist, and amphibolite; includes minor andalusite-muscovite schist and phyllite
ANUc-mhc Foliated sandstone and siltstone, typically chloritic; includes some chlorite-actinolite schist and phyllite
ANUc-mis Pelitic and semi-pelitic schist; includes minor chlorite-actinolite schist and quartzite
ANUc-mcj Metamorphosed layered chert, typically ferruginous
ANUc-mog Metagabbro; includes some amphibolite and metadiorite
ANUc-mbm Metamorphosed komatiitic basalt



AgmPKU Monzogranite
AfnPKU Porphyritic, fine-grained felsic rock; quartz and feldspar phenocrysts; volcanic or high-level intrusive rocks; metamorphosed



Axms-mwaPKU Chlorite-actinolite schist, quartz-muscovite schist, and amphibolite; includes minor andalusite-muscovite schist and phyllite
AmhcPKU Foliated sandstone and siltstone, typically chloritic; includes some chlorite-actinolite schist and phyllite
AmhsPKU Semi-pelitic schist, local corundum-bearing pelitic schist
AmisPKU Pelitic and semi-pelitic schist; includes minor chlorite-actinolite schist and quartzite
AmcjPKU Metamorphosed layered chert, typically ferruginous
AmogPKU Metagabbro
AmogqPKU Metamorphosed quartz-bearing gabbro, and minor diorite
AmwaPKU Amphibolite
AmuPKU Metamorphosed ultramafic rock



GOLDEN EAGLE ORTHOGNEISS: layered orthogneiss derived from tonalite, granodiorite, monzogranite, and pegmatite; includes layers and lenses of amphibolite and ultramafic schist

Mount Bruce Supergroup

Fortescue Group

Pilbara Supergroup

Nullagine Group

Mount Billroth Supersuite

HAMERSLEY BASIN

Kurrama Terrane

Mosquito Creek Basin

Kurrama Terrane

PILBARA CRATON