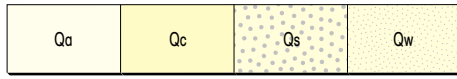


PHANEROZOIC

CAINOZOIC

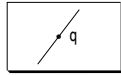
QUATERNARY



- Qa Alluvium—unconsolidated silt, sand, and gravel
- Qc Colluvium—unconsolidated quartz and rock fragments in soil
- Qs Eolian sand forming dunes and sheets
- Qw Alluvium and colluvium—red-brown sandy and clayey soil



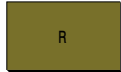
- Czc Colluvium—partly consolidated valley-fill deposits
- Czk Calcrete—sheet carbonate, found along major drainage lines
- Czl Laterite—massive and pisolitic ferruginous duricrust
- Cza Alluvium—partly consolidated silt, sand, and gravel
- Czir Surficial hematite-goethite deposits and laterite on Hamersley Group rocks
- Czp **ROBE PISOLITE**—pisolitic limonite deposits developed along river channels



Quartz veins



Dolerite dykes, sills, and small intrusions



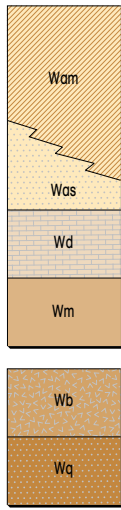
CAPRICORN FORMATION: ferruginous and quartzitic sandstone, mudstone, siltstone, conglomerate, dolomite, and felsic volcanic rock

BLAIR BASIN

PROTEROZOIC

C. 1840 Ma

Wyloo Group



ASHBURTON FORMATION:

Wam Pelite, thin-bedded metasediments; minor medium- to thick-bedded metasediments and metaconglomerate

Was Thin- to thick-bedded metasediments, pelite, and local metaconglomerate

Wd **DUCK CREEK DOLOMITE:** thin- to thick-bedded, locally stromatolitic, metadolomite, metadolorite, and minor chert and pelite

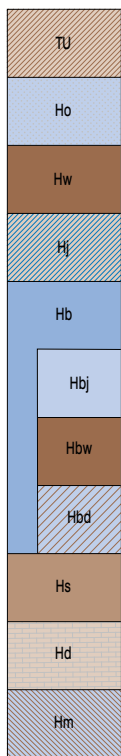
Wm **MOUNT McGRATH FORMATION:** ferruginous metasediments and metaconglomerate, pelite, and metadolomite

Wb **CHEELA SPRINGS BASALT:** amygdaloidal metabasalt, metatuff, and metasediments

Wq **BEASLEY RIVER QUARTZITE:** fine- to coarse-grained quartzitic metasediments, pelite, metadolerite sills

ASHBURTON BASIN

Turee Creek Group



Tj Pelite, metasediments

Ho **BOOLGEEEDA IRON FORMATION:** fine-grained, finely laminated iron-formation; pelite and chert

Hw **WOONGARRA VOLCANICS:** meta-rhyolite, meta-rhyodacite, and banded iron-formation

Hj **WEEILI WOLLI FORMATION:** banded iron-formation (commonly jaspilitic), pelite, and numerous metadolerite sills

Hb **BROCKMAN IRON FORMATION:** banded iron-formation, chert, and pelite

Hbj **Joffre Member:** banded iron-formation, chert, and minor pelite, intruded by metadolerite sills; exposure of upper Yandicoogina Shale Member in places

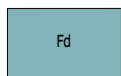
Hbw **Whaleback Shale Member:** pelite, chert, and minor banded iron-formation

Hbd **Dales Gorge Member:** banded iron-formation and pelite

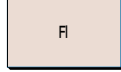
Hs **MOUNT McRAE SHALE and MOUNT SYLVIA FORMATION:** pelite, chert, and banded iron-formation

Hd **WITTENOOM DOLOMITE:** thin- to medium-bedded metadolomite, dolomitic pelite, and metatuff; chert in upper part

Hm **MARRA MAMBA IRON FORMATION:** chert, banded iron-formation, and pelite



Medium- to coarse-grained metadolerite sills intruded into Fortescue Group

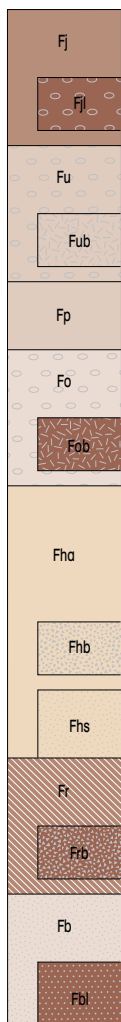


Layered sills intruded into Fortescue Group. Sills generally consist of a coarse-grained metaproxenite base overlain by leucocratic metagabbro or metadolerite; serpentinite occurs locally at the base of some sills

2500 Ma

C. 2690 Ma

Fortescue Group



Fj **JEERINAH FORMATION:** pelite, metasediments, chert, metabasaltic pillow lava, and breccia

Ffu Pillowed and massive metabasaltic flows, metabasaltic breccia

Fu **BUNJINAH FORMATION:** pillowed and massive metabasaltic flows, metabasaltic breccia, pelite, and minor chert

Fub Metabasaltic breccia, pelite, and minor chert

Fp **PYRADIE FORMATION:** metamorphosed pyroxene spinifex-textured basalt flows and pillow lava; pelite and minor chert; local komatiite

Fo **BOONGAL FORMATION:** pillowed and massive metabasaltic flows, metabasaltic breccia, pelite, and minor chert

Fob Metabasaltic breccia, pelite, and minor chert

Fha **HARDEY FORMATION:** metasediments, pelite, and minor conglomerate

Fhb Metabasaltic lithic arenite and breccia, vesicular metabasalt flows

Fhs Feldspathic metasediments, pebbly metasediments, metaconglomerate, and minor pelite

Fr **MOUNT ROE BASALT:** vesicular and amygdaloidal metabasalt, metabasaltic breccia, and pelite

Frb Metabasaltic breccia

Fb **BELLARY FORMATION:** pelite, feldspathic metasediments and metaconglomerate, metabasaltic lava and pillow lava, metabasaltic tuff

Fbl Metabasaltic flows and breccia

HAMERSLEY BASIN

ARCHAIC

C. 2765 Ma