

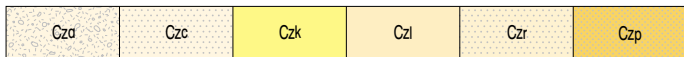
PHANEROZOIC

CAINOZOIC

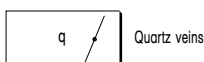
QUATERNARY



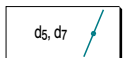
Qa Alluvium—unconsolidated silt, sand, and gravel; in drainage channels and adjacent floodplains  
 Qc Colluvium—unconsolidated quartz and rock fragments in soil  
 Qs Eolian deposit—sand; in sheets and dunes  
 Qw Alluvium and colluvium—red-brown sandy and clayey soil; on low slope and sheetwash areas



Cza Alluvium—partly consolidated silt, sand, and gravel; old alluvium dissected by present-day drainage  
 Czc Colluvium—partly consolidated quartz and rock fragments in silt and sand matrix; old valley-fill deposits, locally derived  
 Czk Calcrete—sheet carbonate, found along major drainage lines  
 Czl Lateritic deposits—massive and pisolitic ferruginous duricrust  
 Czm Hematite-goethite deposits on banded iron-formation and adjacent scree deposits  
 Czp **ROBE PISOLITE** : pisolitic limonite deposits developed along river channels

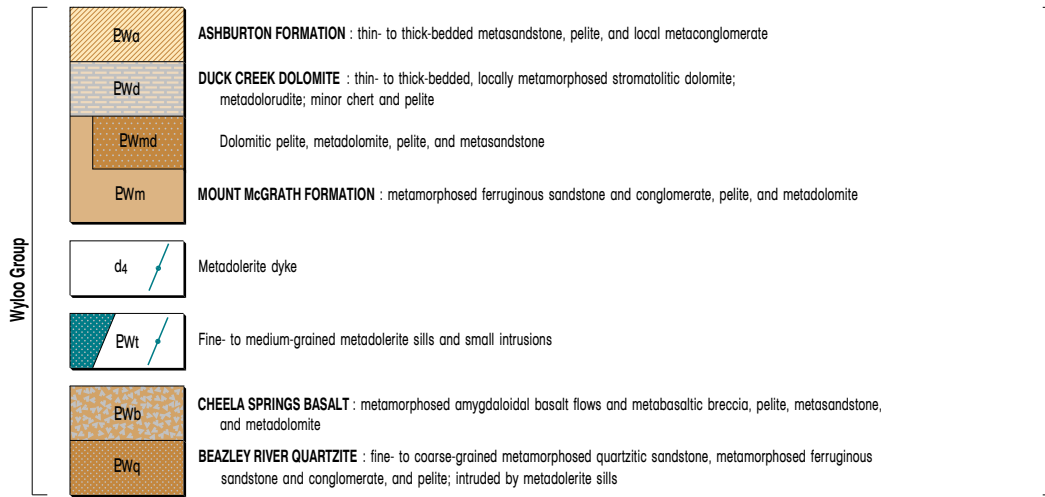


Quartz veins



Dolerite dykes, sills, and small intrusions; numbers identify different suites, lowest numbers earliest

c. 1840 Ma



Wyloo Group

Ashburton Basin

EWa **ASHBURTON FORMATION** : thin- to thick-bedded metasediments, pelite, and local metaconglomerate

EWd **DUCK CREEK DOLOMITE** : thin- to thick-bedded, locally metamorphosed stromatolitic dolomite; metadolomite; minor chert and pelite

EWmd Dolomitic pelite, metadolomite, pelite, and metasediments

EWm **MOUNT McGRATH FORMATION** : metamorphosed ferruginous sandstone and conglomerate, pelite, and metadolomite

d4 Metadolomite dyke

EWt Fine- to medium-grained metadolomite sills and small intrusions

EWb **CHEELA SPRINGS BASALT** : metamorphosed amygdaloidal basalt flows and metabasaltic breccia, pelite, metasediments, and metadolomite

EWq **BEAZLEY RIVER QUARTZITE** : fine- to coarse-grained metamorphosed quartzitic sandstone, metamorphosed ferruginous sandstone and conglomerate, and pelite; intruded by metadolomite sills

PROTEROZOIC

c. 2490 Ma

2500 Ma



Turee Creek Group

Hamersley Group

ETUd Medium- to coarse-grained metadolomite sills intruded into Turee Creek Group

ETUa **KAZPUT FORMATION** : pelite, metasediments, metaconglomerate, metadolomite, and banded iron-formation

ETUo **KOOLBYE FORMATION** : fine- to coarse-grained metamorphosed quartzitic sandstone; minor pelite and metaconglomerate

ETUk **KUNGARRA FORMATION** : pelite and subordinate thin- to thick-bedded metasediments

ETUkm **Meteorite Bore Member** : metadiamicrite; clasts comprise metamorphosed felsic volcanic rock, chert, and sandstone

Eht Medium- to coarse-grained metadolomite sills in Hamersley Group

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

Ehw **WOONGARRA RHYOLITE** : metamorphosed rhyolite, rhyodacite, rhyolitic breccia, and banded iron-formation

Ehj **WEELI WOLLI FORMATION** : banded iron-formation (commonly jaspilitic), pelite, and numerous metadolomite sills

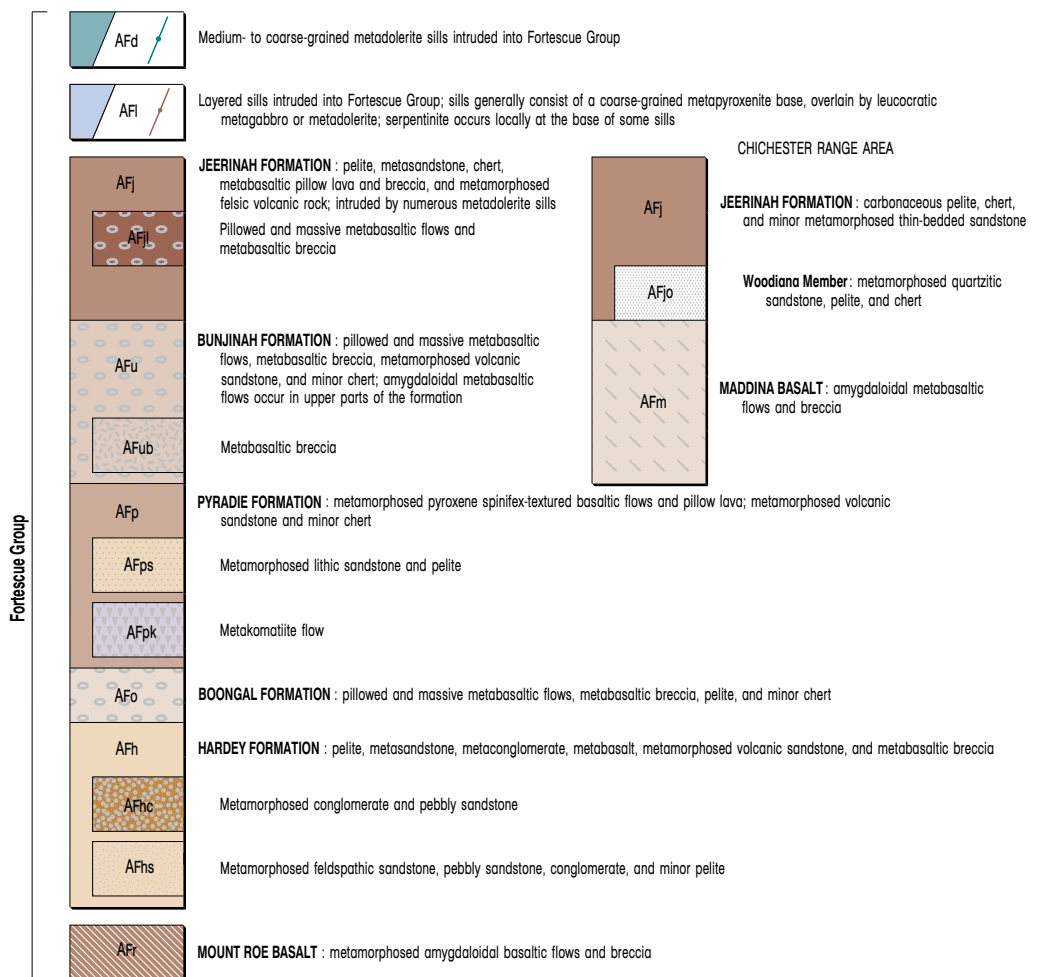
Ehb **BROCKMAN IRON FORMATION** : banded iron-formation, chert, and pelite

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

Ahd **WITTENOOM FORMATION** : metamorphosed thin- to medium-bedded dolomite, dolomitic pelite, chert, and volcanic sandstone

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

c. 2690 Ma



Mount Bruce Supergroup

Fortescue Group

Hamersley Basin

PILBARA CRATON

AFd Medium- to coarse-grained metadolomite sills intruded into Fortescue Group

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

AFj **JEERINAH FORMATION** : pelite, metasediments, chert, metabasaltic pillow lava and breccia, and metamorphosed felsic volcanic rock; intruded by numerous metadolomite sills

Pillowed and massive metabasaltic flows and metabasaltic breccia

AFu **BUNJINAH FORMATION** : pillowed and massive metabasaltic flows, metabasaltic breccia, metamorphosed volcanic sandstone, and minor chert; amygdaloidal metabasaltic flows occur in upper parts of the formation

AFub Metabasaltic breccia

AFp **PYRADIE FORMATION** : metamorphosed pyroxene spinifex-textured basaltic flows and pillow lava; metamorphosed volcanic sandstone and minor chert

AFps Metamorphosed lithic sandstone and pelite

AFpk Metakomatite flow

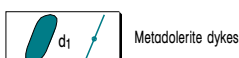
AFo **BOONGAL FORMATION** : pillowed and massive metabasaltic flows, metabasaltic breccia, pelite, and minor chert

AFh **HARDEY FORMATION** : pelite, metasediments, metaconglomerate, metabasalt, metamorphosed volcanic sandstone, and metabasaltic breccia

AFhc Metamorphosed conglomerate and pebbly sandstone

AFhs Metamorphosed feldspathic sandstone, pebbly sandstone, conglomerate, and minor pelite

AFR **MOUNT ROE BASALT** : metamorphosed amygdaloidal basaltic flows and breccia

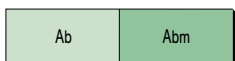


Metadolomite dykes

Agm Metamorphosed biotite monzogranite; weakly to strongly foliated



As Pelite, metasediments, metaconglomerate, chert, and minor metabasalt; locally mylonitic  
 Ac Chert, banded grey and white  
 Al Quartzofeldspathic schist, talc-carbonate schist, quartz-chlorite schist, quartzitic mylonite, and foliated felsic volcanic rock



Ab Metabasalt and metamorphosed pyroxene spinifex-textured basalt  
 Abm Metamorphosed pyroxene spinifex-textured basalt

Granite—greenstone terrain