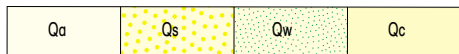


PHANEROZOIC

CAINOZOIC

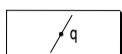
QUATERNARY



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



Cza Alluvium—partly consolidated silt, sand, and gravel
 Czc Colluvium—partly consolidated valley-fill deposits
 Czl Laterite—massive and pisolitic limonite deposits developed along river channels
 Czl Hematite-goethite deposits on banded iron-formation and adjacent cemented scree deposits
 Czp **ROBE PISOLITE**—pisolitic limonite deposits developed along river channels
 Czk Calcrete—sheet carbonate; found along major drainage lines



Quartz veins



Dolerite dykes, sills, and small intrusions

c. 1840 Ma

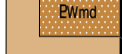
Wyloo Group



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



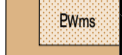
DUCK CREEK DOLOMITE: thin- to thick-bedded, locally stromatolitic metadolomite; metadolomite; minor chert and pelite



MOUNT McGRATH FORMATION:
 Dolomitic pelite, metadolomite, pelite, and metasediments



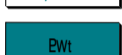
Ferruginous metasediments and metaconglomerate, pelite, and metadolomite



Pelite; minor metasediments and metaconglomerate



Metadolomite dykes



Fine- to medium-grained metadolomite sills and small intrusions



CHEELA SPRINGS BASALT: amygdaloidal metabasalt and metabasaltic breccia, pelite, metasediments, and metadolomite



BEASLEY RIVER QUARTZITE: fine- to medium-grained quartzitic metasediments, ferruginous metasediments and metaconglomerate, and pelite; intruded by metadolomite sills

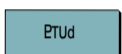


Pelite; minor metasediments and metaconglomerate

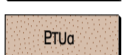
ASHBURTON BASIN

PROTEROZOIC

Turee Creek Group



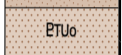
Medium- to coarse-grained metadolomite sills intruded into Turee Creek Group



KAZPUT FORMATION: pelite, metasediments, and metaconglomerate



Grey, recrystallized metadolomite, and thin beds of banded iron-formation



KOOLBYE FORMATION: fine- to coarse-grained quartzitic metasediments; minor pelite and metaconglomerate

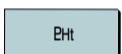


KUNGARRA FORMATION: pelite and subordinate thin- to thick-bedded metasediments



Meteorite Bore Member: diamictite; clasts comprise metamorphosed felsicvolcanic rock, chert, and sandstone

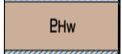
Hammersley Group



Fine- to coarse-grained metadolomite sills intruded into Hammersley Group



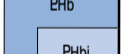
BOOLGEEDA IRON FORMATION: fine-grained, finely laminated iron-formation; pelite and chert



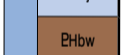
WOONGARRA RHYOLITE: metamorphosed rhyolite, rhyodacite, rhyolite, breccia, and banded iron-formation



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



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



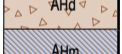
Joffre Member: banded iron-formation, chert, and minor pelite; overlain by **Yandicoogina Shale Member** in places



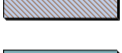
Whaleback Shale Member: pelite, chert, and minor banded iron-formation



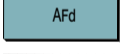
Dales Gorge Member: banded iron-formation and pelite



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



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



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

2500 Ma

c. 2490 Ma

PILBARA CRATON — HAMMERSLEY BASIN

ARCHAEOAN

Fortescue Group



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



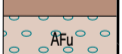
Layered sills intruded into Fortescue Group; sills generally consist of a coarse-grained pyroxenite base, overlain by leucocratic metagabbro or metadolomite; serpentinite occurs locally at the base of some sills



JEERINAH FORMATION: pelite, metasediments, chert, metabasaltic pillow lava and breccia; intruded by numerous metadolomite sills



Pillowed and massive metabasaltic flows and metabasaltic breccia



BUNJINAH FORMATION: pillowed, massive, and amygdaloidal metabasaltic flows; metabasalt breccia; metamorphosed volcanic sandstone, and pelite



Metabasaltic breccia



PYRADIE FORMATION: metamorphosed, pyroxene spinifex-textured basalt flows and pillow lava; metamorphosed volcanic sandstone and minor chert



Pelite, chert, and metamorphosed volcanic sandstone



Metakomatite flow



BOONGAL FORMATION: pillowed and massive metabasalt, metabasaltic breccia, pelite, and minor chert



Metabasaltic breccia



HARDEY FORMATION: pelite, metasediments, and metaconglomerate



Feldspathic metasediments, pebbly metasediments, metaconglomerate, and minor pelite

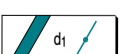


Metaconglomerate and metasediments

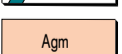


MOUNT ROE BASALT: amygdaloidal metabasaltic flows, and metabasaltic breccia

c. 2765 Ma



Metadolomite dykes



Metamorphosed biotite monzogranite; weakly to strongly foliated



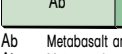
Chert, grey and white banded



Quartzo-feldspathic schist, quartz-chlorite schist, talc-carbonate schist, quartzitic mylonite, and foliated felsic volcanic rock



Ab Metabasalt and metamorphosed, pyroxene spinifex-textured basalt



Abm Metamorphosed, pyroxene spinifex-textured basalt

PILBARA CRATON BASEMENT