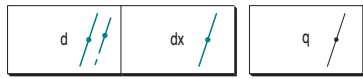


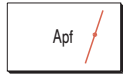
Qaa Alluvial sand and gravel in rivers and creeks; clay, silt, and sand in channels on floodplains  
 Qao Overbank deposits; alluvial sand, silt, and clay in floodplains adjacent to main drainage channels  
 Qaac Mixed floodplain deposits with numerous small claypans  
 Qab Alluvial sand, silt, and clay in floodplains, with gilgai surface in areas of expansive clay  
 Qwg Sheetwash sand and quartz pebbles overlying and derived from granitoid rock  
 Qc Colluvium — sand, silt, and gravel on outwash fans; scree and talus  
 Qrg Quartzofeldspathic eluvial sand, with quartz and rock fragments; overlying and derived from granitoid rock



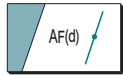
Cza Alluvium — sand, silt, and gravel; variably consolidated; dissected by recent drainage  
 Czag Alluvial gravel; variably consolidated; dissected by recent drainage  
 Czak Alluvial calcareous, massive, nodular, and cavernous limestone; variably silicified and dissected  
 Czc Colluvium — sand, silt, and gravel on outwash fans; scree and talus; variably consolidated  
 Czcb Colluvium with gilgai surface in areas of expansive clay; dissected by recent drainage  
 Czcf Ferruginized colluvium; semi-consolidated sand, silt, and clay; dissected  
 Czcg Quartzofeldspathic sand, silt, clay, and gravel derived from granitoid rock; variably consolidated; dissected  
 Czrf Ferricrete; includes ferruginous and pisolitic ironstone; dissected by recent drainage  
 Czrg Relict colluvial sand, gravel, and silt overlying, and derived from granitoid rock; mixed eluvium and colluvium; variably consolidated; dissected  
 Czrk Residual calcareous, massive, nodular, and cavernous limestone; mainly silicified  
 Czru Siliceous caprock over ultramafic rock



d Dolerite dyke; interpreted from aeromagnetic data where dashed  
 dx Dolerite dyke, with locally abundant granitoid xenoliths and potassic alteration of wallrocks  
 q Quartz vein, commonly along faults



Apf Quartz-feldspar porphyry



AF(d) Dolerite dyke



AFm **MADDINA FORMATION:** massive, vesicular, and amygdaloidal basalt and basaltic andesite



AFmk **Kuruna Member:** basaltic to andesitic volcanoclastic sandstone, mudstone, chert, and dolomite



**TUMBIANA FORMATION**

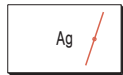
AFtsv Volcanoclastic sandstone with minor tuff and carbonate rock  
 AFtc **Meentheena Member:** dark grey stromatolitic dolomite and limestone, carbonate-rich tuff, mudstone, and siltstone  
 AFtb Basalt  
 AFtslv Volcanoclastic siltstone and tuff; locally abundant layers of medium-grained volcanoclastic sandstone



AFk **KYLENA FORMATION:** massive and amygdaloidal basalt, basaltic andesite, and dacite; local high-Mg basalt and rhyolite  
 AFkb Basaltic andesite with minor basalt and andesite



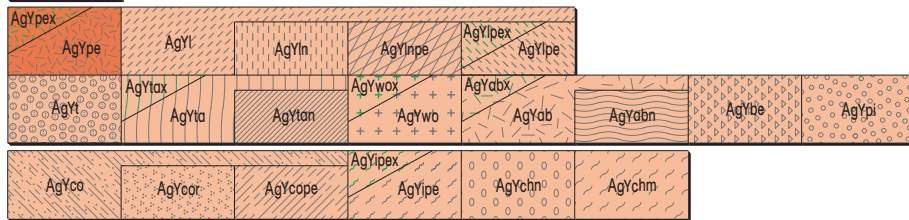
AF(st) Medium- to coarse-grained, poorly sorted sandstone; locally chloritic and pebble rich



Ag Granitoid dyke

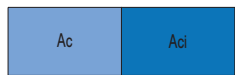


AgY Granitoid rock



**YULE GRANITOID COMPLEX**

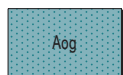
AgY Granitoid rock, unassigned; age uncertain; typically strongly weathered; metamorphosed  
 AgYpe Pegmatite  
 AgYpex Pegmatite with abundant xenoliths of greenstone and granitoid gneiss  
 AgYl Medium-grained leucogranite  
 AgYln Dominantly medium- to coarse-grained leucogranite with locally abundant granitoid gneiss xenoliths  
 AgYlnpe Medium- to coarse-grained leucogranite with abundant granitoid gneiss xenoliths and locally abundant sheets, veins, and bodies of pegmatite  
 AgYlpe Medium- to coarse-grained leucogranite with abundant sheets, veins, and bodies of pegmatite  
 AgYlpe Medium- to coarse-grained leucogranite with locally abundant pegmatite, and greenstone and granitoid gneiss xenoliths  
 AgYt Hornblende-biotite tonalite  
 AgYta **TAMBOURAH MONZOGRANITE:** dominantly coarse-grained syenogranite and pegmatite; locally abundant xenoliths of strongly foliated biotite granodiorite and granitoid gneiss  
 AgYtax Dominantly coarse-grained and pegmatitic leucogranite with locally abundant xenoliths of greenstone and of strongly foliated biotite granodiorite and granitoid gneiss  
 AgYtan Strongly foliated biotite granodiorite and granitoid gneiss; abundant random sheets and irregular patches of coarse-grained and pegmatitic leucogranite  
 AgYwo **WOODSTOCK MONZOGRANITE:** equigranular to feldspar-porphyritic biotite monzogranite; weakly to moderately foliated; locally abundant pegmatite and granodiorite dykes; magnetite-bearing leucogranite pods; weakly metamorphosed  
 AgYwox Equigranular to feldspar-porphyritic biotite monzogranite with abundant greenstone and granitoid gneiss xenoliths; weakly to moderately foliated  
 AgYab **ABYDOS MONZOGRANITE:** porphyritic feldspar-quartz-biotite-titanite monzogranite; moderately to strongly foliated; metamorphosed  
 AgYabx Porphyritic feldspar-quartz-biotite-titanite monzogranite with abundant greenstone and granitoid gneiss xenoliths; moderately to strongly foliated  
 AgYabn Porphyritic feldspar-quartz-biotite-titanite monzogranite with abundant granitoid gneiss xenoliths; moderately to strongly foliated  
 AgYbe **BEABEA MONZOGRANITE:** equigranular to feldspar-porphyritic biotite monzogranite; weakly to moderately foliated  
 AgYpi **PINCUNAH MONZOGRANITE:** moderately to strongly feldspar-quartz-porphyritic biotite-hornblende monzogranite; weakly to moderately foliated, typically with a strong phenocryst alignment; local pods and dykes of pegmatite and leucogranite  
 AgYco **COCKERAGA LEUCOGRANITE:** leucocratic biotite-hornblende tonalite and granodiorite and subordinate monzogranite; locally abundant pegmatite, and greenstone and granitoid gneiss xenoliths; weakly metamorphosed  
 AgYcor Leucocratic biotite-hornblende tonalite and granodiorite and subordinate monzogranite with well-developed schlieric banding; locally abundant greenstone and granitoid gneiss xenoliths  
 AgYcope Leucocratic biotite-hornblende tonalite and granodiorite and subordinate monzogranite with well-developed schlieric banding and abundant pegmatite sheets, veins, and patches  
 AgYlpe Interleaved banded and gneissic granodiorite, seriate to porphyritic monzogranite, and pegmatite; locally includes granitoid dykes  
 AgYlpe Interleaved banded and gneissic granodiorite, seriate to porphyritic monzogranite, and local pegmatite, with abundant greenstone xenoliths  
**CHEEARRA MONZOGRANITE**  
 AgYchn Gneissic monzogranite to granodiorite  
 AgYchm Equigranular to porphyritic biotite monzogranite; weakly to strongly foliated; locally well-developed banding; includes pegmatite and granitoid dykes; metamorphosed



Ac White chert, and locally banded white and grey chert; metamorphosed  
 Aci Banded iron-formation; metamorphosed



Asq Quartz-muscovite schist and quartzite  
 Asqn Quartzite with local banded quartz and quartz-feldspar-amphibole paragneiss



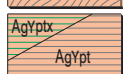
Aog Gabbro; metamorphosed



Aba Amphibolite; fine to medium grained; massive to strongly foliated  
 Abag Amphibolite with abundant granitoid dykes and veins  
 Abau Amphibolite with locally abundant interleaved ultramafic rock  
 Abaug Amphibolite with locally abundant interleaved ultramafic rock and abundant granitoid dykes and veins  
 Abs Strongly sheared mafic schist; typically contains actinolite and chlorite  
 Absq Strongly sheared mafic schist interleaved with quartzite  
 Abu Interleaved mafic and ultramafic rocks; metamorphosed  
 Abug Interleaved mafic and ultramafic rocks with abundant granitoid dykes and veins; metamorphosed



Au Ultramafic rock, undivided; metamorphosed  
 Aup Metaperidotite; serpentinized  
 Aur Tremolite-chlorite schist  
 Aus Serpentine and serpentine-rich schist



**YULE GRANITOID COMPLEX**

AgYn Equigranular to feldspar-porphyritic biotite granitoid orthogneiss  
 AgYnl Biotite granitoid gneiss and strongly foliated biotite granitoid intruded by abundant medium- to coarse-grained leucogranite and pegmatite as sheet complexes and irregular bodies  
 AgYpt **PETROGLYPH ORTHOGNEISS:** tonalitic orthogneiss with sheeted pegmatitic granitoid veins  
 AgYptx Tonalitic orthogneiss with sheeted pegmatitic granitoid veins, and greenstone and granitoid gneiss xenoliths

c. 2933-2927 Ma<sup>1</sup>  
 c. 2941 Ma<sup>3</sup>  
 <3065 Ma<sup>3</sup>

Mount Bruce Supergroup  
 Fortescue Group  
 Unassigned

Unassigned

Unassigned

Unassigned

Unassigned

Unassigned

Unassigned

Unassigned

Unassigned

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c. 3420 Ma<sup>2, 4</sup>