

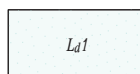
Colluvial units
 C Colluvium derived from different rock types; includes gravel, sand, and silt
 Cf Colluvial footslope containing ferruginous gravel and reworked ferruginous duricrust
 Cg Colluvial footslope containing quartzofeldspathic gravel, sand, and silt commonly derived from granite and associated weathering products
 Ci Colluvial footslope deposits derived from different rock types; includes gravel, sand, and silt
 Cm Colluvial footslope containing ferromagnesian gravel, sand, and silt commonly derived from mafic/ultramafic rocks and associated weathering products

Sheetwash units
 Wc Very low gradient sheet flood deposits, with numerous claypans; includes sand and silt
 Wf Clay, silt, and sand sheetwash deposits, with abundant ferruginous grit
 Wg Clay, silt, and sand sheetwash deposits, commonly derived from granitic rock
 Wq Clay, silt, and sand sheetwash deposits with abundant quartz-vein debris

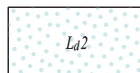
Alluvial units
 Ae Clay, silt, sand, and gravel in fluvial channels
 Af Clay, silt, and sand in braided swales on floodplains
 Ai Sand, silt, and clay in alluvial drainage depressions, claypans, and ephemeral floodplain lakes; low-lying areas with internal drainage



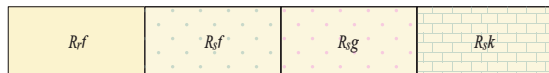
Lacustrine Units
 Ld Sand, silt, and gypsum in dunes adjacent to and within playa lakes
 Lde Lithified to unconsolidated gypsum and clay, in mounds and dunes adjacent to playa lakes
 Lm Mixed dunes, evaporite, and alluvial deposits; typically adjacent to playa lakes
 Lp Saline and gypsiferous evaporite deposits, clay, silt, and sand in playa lakes



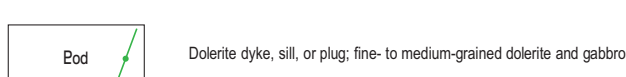
Lacustrine unit, second generation
 Ld1 Dune and lake deposits; active systems within and adjacent to playa lakes; non-vegetated or poorly vegetated



Lacustrine unit, first generation
 Ld2 Stabilized dunes within and adjacent to playa lakes; typically vegetated



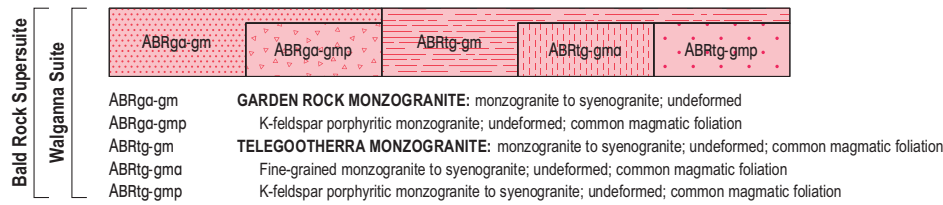
Residual or relict units
 Rf Ferruginous duricrust, massive to rubby; includes iron-cemented reworked products
 Rff Residual sand and minor gravel derived from ferruginous duricrust
 Rfg Quartzofeldspathic sand, commonly over granite
 Rfk Residual sand and calcrete; nodular and pisolitic



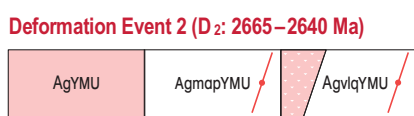
Eod Dolerite dyke, sill, or plug; fine- to medium-grained dolerite and gabbro
 zq Quartz vein or pod; massive, crystalline, or brecciated; age uncertain

c. 2617 Ma¹

c. 2623 Ma

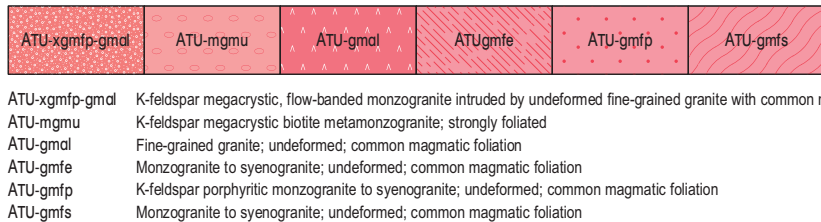


Deformation Event 2 (D₂: 2665–2640 Ma)



AgYMU Granitic rock, undivided; metamorphosed (section only)
 AgmapYMU Fine-grained porphyritic monzogranite, as dykes; weakly metamorphosed; locally foliated
 AgvqYMU Quartz-plagioclase granophyre; locally strongly foliated

c. 2676 Ma



Deformation Event 1 (D₁: 2676–2665 Ma)



CUNDIMURRA MONZOGRANITE:
 ATUcu-mgmu K-feldspar megacrystic biotite metamonzogranite; strongly foliated
 ATUcu-mgmy Meta biotite monzogranite; mylonitic; commonly with pegmatite veins and other intrusive granitic phases
 ATUcu-gmd Fine-grained leucocratic monzogranite; undeformed; common magmatic foliation
 ATUcu-gmfe Equigranular monzogranite to syenogranite; undeformed; common magmatic foliation
 ATUcu-gmfp K-feldspar porphyritic monzogranite to syenogranite; undeformed; common magmatic foliation



AmsqmYMU Quartz-mica schist; commonly as discontinuous septa within granites
 AmfosYMU Meta-andesite; massive to fragmental; commonly strongly deformed

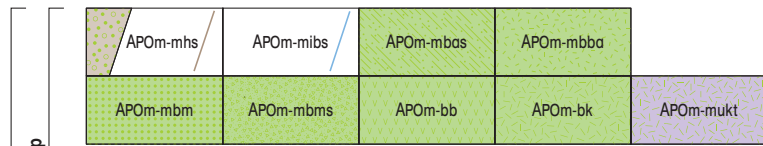


AmwasYMU Strongly foliated amphibolite and amphibolite schist; commonly also lineated
 AodYMU Dolerite; medium grained; massive, locally weakly deformed; metamorphosed
 AogYMU Gabbro; coarse grained; massive, locally weakly deformed; locally contains dolerite, quartz gabbro, and gabbro-norite; metamorphosed
 AogdYMU Pegmatoidal gabbro; coarse grained, massive; commonly strongly deformed; locally contains dolerite and quartz gabbro; metamorphosed



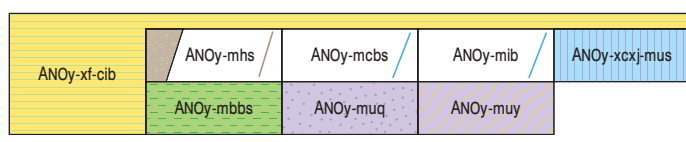
AmusYMU Ultramafic schist
 AopuYMU Peridotite; coarse grained; massive, locally weakly deformed; metamorphosed

2800–2760 Ma

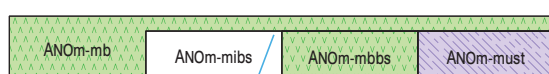


MEEKATHARRA FORMATION
 APOm-mhs Schistose pelite and psammite with local biotite porphyroblasts
 APOm-mbs Strongly foliated meta banded iron-formation
 APOm-mbas Amphibolite schist derived from basalt; fine to medium grained; commonly also lineated
 APOm-mbba Amphibolite derived from basalt; massive to foliated and/or lineated
 APOm-mbm Metakomatitic basalt; massive to pillowed with local hyaloclastite; with fracture cleavage, or foliated
 APOm-mbms Fine-grained ultramafic schist derived from komatiitic basalt; local talc-carbonate rock; commonly deeply weathered
 APOm-bb Basalt; massive to weakly foliated; locally pillowed and/or vesicular; metamorphosed
 APOm-bk Komatiitic basalt; locally pillowed and/or variolitic; fractured to locally foliated; weakly metamorphosed
 APOm-mukt Talc-carbonate (-chlorite-serpentine) schist derived from komatiitic rocks; commonly deeply weathered and lateritized

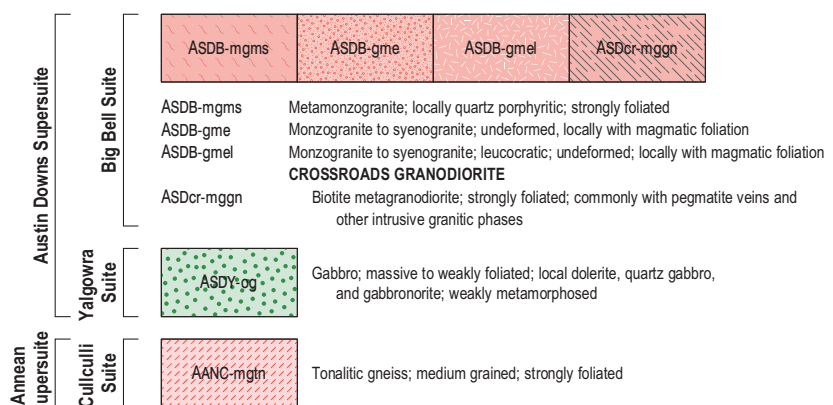
2815–2805 Ma



YALLOGINDA FORMATION: felsic volcanoclastic rocks and banded iron-formation; local quartzite; widely intruded by layered gabbroic to peridotitic sills; metamorphosed
 ANOy-mhs Psammite and pelitic schist interlayered on a metre to decimetre scale; locally strongly sheared
 ANOy-mcbs Strongly foliated metachert, locally ferruginous
 ANOy-mib Meta banded iron-formation; typically with coarse, granular, and recrystallized magnetite crystals; foliated
 ANOy-xcxj-mus Mixed jaspilitic chert and iron formation, interlayered with ultramafic schist
 ANOy-mbbs Strongly foliated metabasalt and local amphibolite
 ANOy-muq Silicified meta-ultramafic rock
 ANOy-muy Mylonitized meta-ultramafic rock



MURROULLI BASALT: metabasalt and metakomatitic basalt
 ANOm-mb Strongly foliated meta banded iron-formation
 ANOm-mbs Strongly foliated metabasalt and local amphibolite
 ANOm-must Tremolite-chlorite-talc schist



ASDB-mgms Metamonzogranite; locally quartz porphyritic; strongly foliated
 ASDB-gme Monzogranite to syenogranite; undeformed, locally with magmatic foliation
 ASDB-gmel Monzogranite to syenogranite; leucocratic; undeformed; locally with magmatic foliation
CROSSROADS GRANODIORITE
 ASDCr-mggn Biotite melagranodiorite; strongly foliated; commonly with pegmatite veins and other intrusive granitic phases
 ASDy-gg Gabbro; massive to weakly foliated; local dolerite, quartz gabbro, and gabbro-norite; weakly metamorphosed
 AANCr-mgtn Tonalitic gneiss; medium grained; strongly foliated