

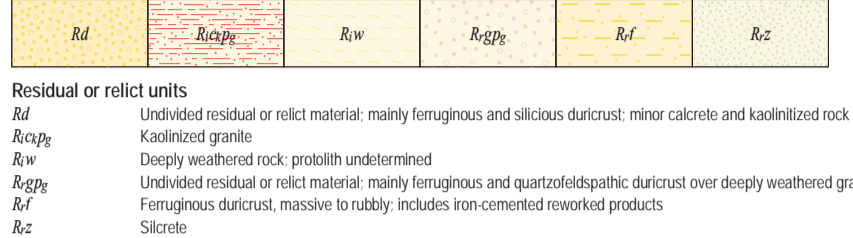
Colluvial units
C Colluvium derived from different rock types; includes gravel, sand, and silt
Cf Ferruginous gravel and reworked ferruginous duricrust
Cg Quartzofeldspathic gravel, sand, and silt commonly derived from granitic rock and associated weathering products
Cmp Lithic-rich colluvium dominated by mafic and ultramafic rock
Cfc Talus from banded iron-formation and chert; locally cemented

Sheetwash units
W Clay, silt, and sand in extensive fans; local ferruginous gravel
Wf Clay, silt, and sand with abundant ferruginous grit

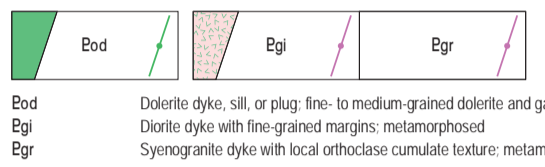
Alluvial units
A Clay, silt, sand, and gravel in channels and on floodplains
Ap Clay and silt in claypans
Af Alluvial fan deposits; includes gravel, sand and silt

Lacustrine units
Lg Silt, sand, and gravel in halophyte flats adjacent to playas
Lgk Bedded carbonate, silt, and clay deposits in shallow lakes adjacent to streams and rivers
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

Sandplain units
S Residual and eolian sand with minor silt and clay; low vegetated dunes locally common
Sf Undulating sandplains and dunes; sand, silt and clay in variable proportions; derived in part from ferruginous material



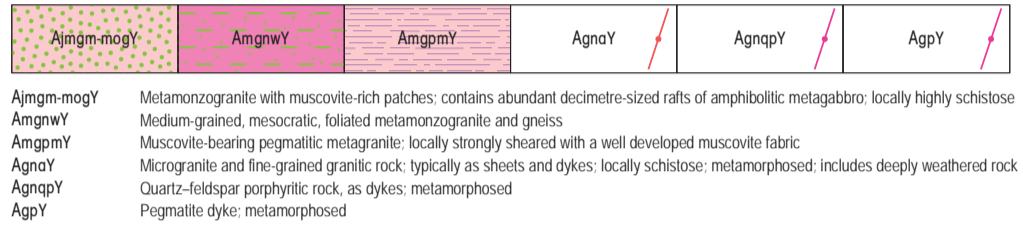
Residual or relict units
Rd Undivided residual or relict material; mainly ferruginous and siliceous duricrust; minor calcare and kaolinized rock
Rkcp Kaolinized granite
Rlw Deeply weathered rock; protolith undetermined
Rgpe Undivided residual or relict material; mainly ferruginous and quartzofeldspathic duricrust over deeply weathered granite; minor kaolinized rock; includes molled and leached zones of weathering profile
Rf Ferruginous duricrust, massive to rubbly; includes iron-cemented reworked products
Rz Siltcrete



Eod Diorite dyke, sill, or plug; fine- to medium-grained dolerite and gabbro
Egi Diorite dyke with fine-grained margins; metamorphosed
Egr Syenogranite dyke with local orthoclase cumulate texture; metamorphosed

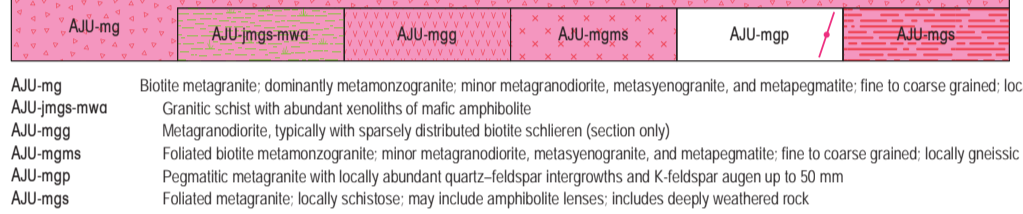


zd Epitaxial vein, medium to coarse grained; locally quartz bearing
zq Quartz vein or pod; massive, crystalline, or brecciated; age uncertain

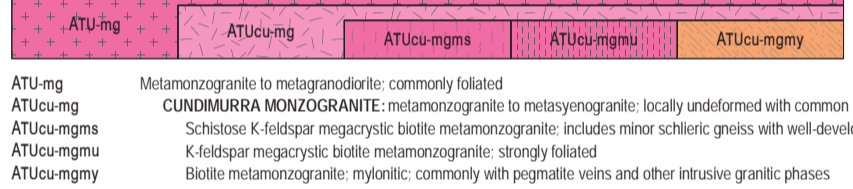


Amgm-mogY Metamonzonite with muscovite-rich patches; contains abundant decimetre-sized rafts of amphibolitic metagabbro; locally highly schistose
AmgnwY Medium grained, mesocratic, foliated metamonzonite and gneiss
AmgmY Muscovite-bearing pegmatitic metagranite; locally strongly sheared with a well developed muscovite fabric
AgnoY Microgranite and fine-grained granitic rock; typically as sheets and dykes; locally schistose; metamorphosed; includes deeply weathered rock
AgnqpY Quartz-feldspar porphyritic rock, as dykes; metamorphosed
AppY Pegmatite dyke; metamorphosed

Deformation event 2 (D₂: 2665-2640Ma)

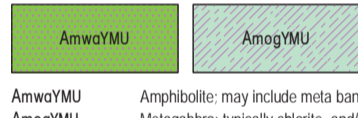


AUJ-mg Biotite metagranite; dominantly metamonzonite; minor metagranodiorite, metasyenogranite, and metapegmatite; fine to coarse grained; locally gneissic
AUJ-jmgs-mwa Granitic schist with abundant xenoliths of mafic amphibolite
AUJ-mgg Metagranodiorite, typically with sparsely distributed biotite schlieren (section only)
AUJ-mgms Foliated biotite metamonzonite; minor metagranodiorite, metasyenogranite, and metapegmatite; fine to coarse grained; locally gneissic
AUJ-mgp Pegmatite; metagranite with locally abundant quartz-feldspar intergrowths and K-feldspar augen up to 50 mm
AUJ-mgs Foliated metagranite; locally schistose; may include amphibolite lenses; includes deeply weathered rock

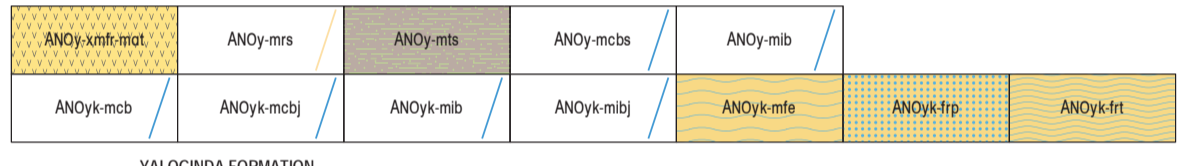


ATU-mg Metamonzonite to metagranodiorite; commonly foliated
ATUcu-mg CUNDIMURRA MONZOGRANITE; metamonzonite to metasyenogranite; locally undeformed with common magmatic foliation (not on map)
ATUcu-mgms Schistose K-feldspar megacrystic biotite metamonzonite; includes minor schlieren gneiss with well developed K-feldspar augen, sheared quartz veins, and sheared pegmatitic foliation
ATUcu-mgmu K-feldspar megacrystic biotite metamonzonite; strongly foliated
ATUcu-mgmy Biotite metamonzonite; mylonitic; commonly with pegmatite veins and other intrusive granitic phases

Deformation event 1 (D₁: 2710-2690 Ma)

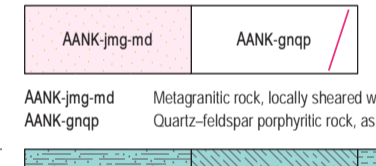


AmwoYMU Amphibolite; may include meta banded iron-formation
AmogYMU Metagabbro; typically chlorite- and/or amphibole-rich with local preservation of relict igneous texture; locally strongly sheared

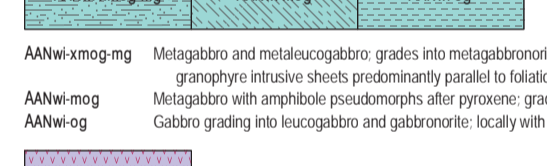


YALOGINDA FORMATION
ANOy-xmfr-mot Lenses of metabasaltic and serpentinitic rocks (section only)
ANOy-mrs Felsic schist; locally strongly sheared
ANOy-mts Psammilitic schist; locally grades into pelitic schist; locally strongly sheared
ANOy-mcbs Strongly foliated metachert, locally ferruginous
ANOy-mib Meta banded iron-formation; typically with coarse, granular, and recrystallized magnetite crystals; foliated
ANOy-mcb Kanille-Mardana Volcanics Member
ANOy-mctj Meta banded chert with centimetre-scale banding
ANOy-kmb Meta banded chert with interlayering of ferruginous bands on a centimetre scale
ANOy-kmbj Foliated meta banded iron-formation; typically with coarse, granular, recrystallized magnetite crystals
ANOy-kmf Foliated meta banded iron-formation with recrystallized magnetite crystals; locally jaspillic
ANOy-kfrp Recrystallized, equigranular felsic volcanic and sedimentary rocks with 1-5 mm grain size
ANOy-kfrt Quartz-feldspar porphyritic rock; weak to schistose foliation; metamorphosed
ANOy-kfrt Felsic tuff and tuffaceous rock; finely banded; fine to medium grained; rhyolite to dacite with quartz and feldspar phenocrysts; metamorphosed; variably foliated

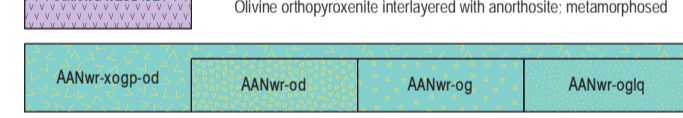
Mount Kenneth Suite



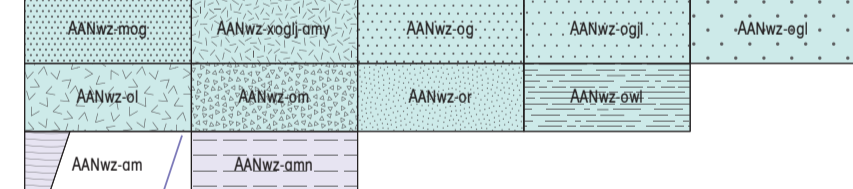
AANK-jmg-md Metagranitic rock, locally sheared with abundant rafts and lenses of sheared quartzite, psammite, and pelite
AANK-gnqp Quartz-feldspar porphyritic rock, as dykes; metamorphosed



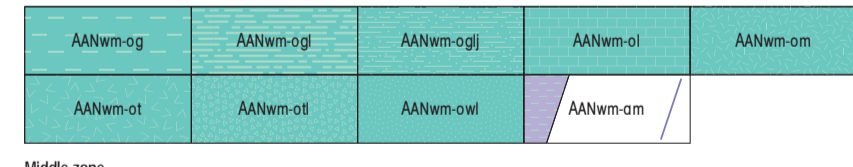
AANw-xmog-mg Metagabbro and melaleucogabbro; grades into metagabbro; locally schistose and sheared, with abundant melanogranite, apilite, and granophyre intrusive sheets predominantly parallel to foliation (section only)
AANw-mog Metagabbro with amphibole pseudomorphs after pyroxene; grades into metagabbro; locally sheared; locally magnetite-bearing (section only)
AANw-og Gabbro grading into leucogabbro and gabbro; locally with modal layering of pyroxene and plagioclase; metamorphosed



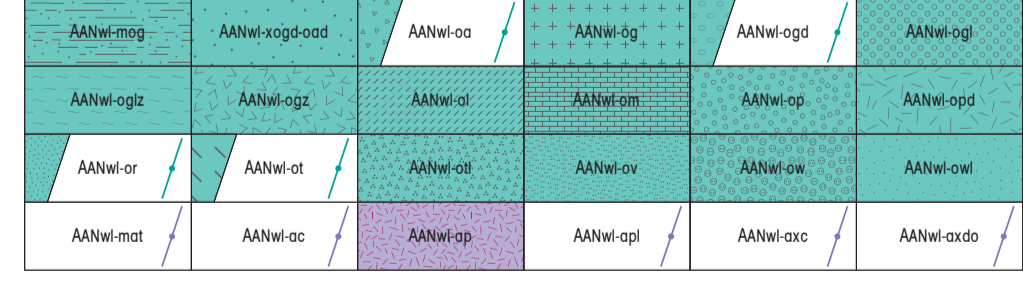
AANw-xogp-od Roof zone; porphyritic gabbro with plagioclase phenocrysts and dolerite; metamorphosed
AANw-od Dolerite with locally developed spinifex texture; grades into gabbro; metamorphosed; includes deeply weathered rock
AANw-og Gabbro with locally developed spinifex texture; grades into dolerite; metamorphosed
AANw-oglg Quartz-bearing leucogabbro, typically with well developed, coarse spinifex texture; metamorphosed
AANw-ogp Porphyritic gabbro; plagioclase phenocrysts typically <20 mm in a 4-8 mm matrix of plagioclase, clinopyroxene, and minor oxides; metamorphosed



AANwz-mog Metagabbro with amphibole pseudomorphs after pyroxene, grading into metagabbro; locally sheared; locally magnetite and/or ilmenite bearing
AANwz-xoglg-omy Interlayered magnetite- and ilmenite-bearing leucogabbro and layered magnetite units <0.5 m thick; metamorphosed
AANwz-og Gabbro grading into magnetite- and/or ilmenite-bearing olivine gabbro, leucogabbro, and gabbro; metamorphosed
AANwz-oglg Leucogabbro, magnetite and/or ilmenite-bearing; grades into magnetite- and/or ilmenite-bearing gabbro, anorthosite, and leucogabbro; metamorphosed
AANwz-ogp Leucogabbro grading into anorthosite and magnetite- and/or ilmenite-bearing gabbro; locally abundant clinopyroxene oikocrysts up to 30 mm enclose euhedral cumulate plagioclase crystals; metamorphosed
AANwz-ol Olivine gabbro; grading into olivine gabbro and olivine leucogabbro; locally showing modal layering; minor cumulus magnetite and/or ilmenite and/or apatite; metamorphosed
AANwz-on Gabbro with local modal layering of pyroxene and plagioclase; grades into leucogabbro; locally showing modal layering; minor intercumulus magnetite and/or ilmenite; metamorphosed
AANwz-or Olivine norite; locally grading into olivine gabbro and olivine leucogabbro; typically magnetite and ilmenite bearing; metamorphosed
AANwz-owl Olivine leucogabbro, locally magnetite and ilmenite bearing; grades into norite and leucogabbro; with ophitic regions; metamorphosed
AANwz-om Magnetite layers <1 m thick in magnetite-rich gabbro; locally with undulating bases; magnetite encloses plagioclase chadocrysts; metamorphosed
AANwz-omn Magnetite in layers <1 m thick; magnetite grains commonly contain rounded, 5-10 mm serpentine inclusions after olivine; locally grading into olivine gabbro; metamorphosed



AANwm-og Gabbro grading into magnetite-bearing gabbro, leucogabbro and gabbro; metamorphosed
AANwm-oglg Leucogabbro grading into anorthosite and magnetite-bearing gabbro; locally abundant clinopyroxene oikocrysts up to 30 mm enclose euhedral cumulate plagioclase crystals; metamorphosed
AANwm-oglj Magnetite-bearing leucogabbro grading into anorthosite and magnetite-bearing gabbro; locally abundant clinopyroxene oikocrysts up to 30 mm enclose euhedral cumulate plagioclase crystals; metamorphosed
AANwm-ol Olivine gabbro; grading into olivine gabbro and olivine leucogabbro; minor modal layering and locally magnetite-bearing; metamorphosed
AANwm-om Gabbro; locally with modal layering of pyroxene and plagioclase; grading into leucogabbro; minor intercumulus magnetite; metamorphosed
AANwm-ot Troctolite; locally grading into olivine gabbro and leucogabbro; metamorphosed
AANwm-otf Leucotroctolite; locally grading into anorthosite and troctolite; metamorphosed
AANwm-owl Leucotroctolite; locally grading into olivine gabbro and olivine leucogabbro; metamorphosed
AANwm-am Magnetite layers <1 m thick with locally undulating basal contacts; magnetite crystals enclose plagioclase in magnetite-rich gabbro; metamorphosed



AANwi-mog Metagabbro with amphibole pseudomorphs after pyroxene; grading into metagabbro; locally sheared (section only)
AANwi-xogp-ood Pegmatitic gabbro containing rounded boulders of pegmatitic anorthosite up to 20 cm; locally PGE-sulfide bearing; metamorphosed
AANwi-oo Anorthosite with weak plagioclase lamination and crystal size up to 8 mm; metamorphosed
AANwi-og Gabbro grading into leucogabbro and gabbro; locally with modal layering of pyroxene and plagioclase; metamorphosed
AANwi-ogd Very coarse grained gabbro, grading into coarse-grained leucogabbro and gabbro; locally with modal layering of pyroxene and plagioclase; metamorphosed
AANwi-oglj Leucogabbro grading into anorthosite and gabbro; locally abundant clinopyroxene oikocrysts up to 30 mm enclose euhedral cumulate plagioclase crystals; metamorphosed
AANwi-ogz Olivine leucogabbro, typically with pyroxene oikocrysts <30 mm across enclosing euhedral plagioclase cumulate crystals <10 mm in size; metamorphosed
AANwi-ol Olivine gabbro, typically with pyroxene oikocrysts <30 mm across enclosing euhedral plagioclase cumulate crystals <10 mm across; metamorphosed
AANwi-on Olivine norite; locally grading into olivine gabbro and olivine leucogabbro; minor modal layering; metamorphosed
AANwi-om Gabbro; locally with igneous layering and locally grading into leucogabbro; rare intercumulus magnetite; metamorphosed (section only)
AANwi-op Melanocratic norite, locally with orthopyroxene cumulate crystals <20 mm in size; metamorphosed
AANwi-opp Very coarse grained melanocratic norite, locally with orthopyroxene cumulate crystals >50 mm; metamorphosed
AANwi-or Olivine norite; locally grading into olivine gabbro and olivine leucogabbro; metamorphosed
AANwi-ot Troctolite; locally grading into olivine gabbro and leucotroctolite; metamorphosed
AANwi-otf Leucotroctolite; locally grading into anorthosite and troctolite; metamorphosed
AANwi-owl Olivine metagabbro with cumulate euhedral olivine, grading into olivine gabbro; metamorphosed
AANwi-ow Norite; locally grading into gabbro and leucogabbro with very coarse grained patches; metamorphosed
AANwi-owl Leucotroctolite; locally grading into norite and leucogabbro with ophitic patches; metamorphosed
AANwi-owlf Fine-grained serpentine; strongly sheared, with local relict igneous texture
AANwi-oxc Chromitite; highly undulose layers grading into chromite-bearing norite; PGE-bearing sulfide grains up to 0.5 mm within chromite seam; metamorphosed
AANwi-oxd Pyroxene peridotite; locally theralitic, harzburgitic and Cr-spinel bearing; locally strongly sheared; metamorphosed
AANwi-ogp Lherzillite; cumulate olivine typically pseudomorphed by serpentine; metamorphosed
AANwi-oxc Clinopyroxene with laminated clinopyroxene cumulate crystals; metamorphosed
AANwi-oxd Very coarse grained orthopyroxene, typically pegmatitic; metamorphosed

Amesau Supersuite

Meehan Suite

WINDIMURRA IGNEOUS COMPLEX