REFERENCE

CAINOZOIC

QUATERNARY

Qra Lacustrine deposits—clay, silt, and sand in playas; saline and gypsiferous
Qrp Lacustrine deposits—clay, silt, and sand in claypans, non-saline
Qrm Alluvium—clay to pebble deposits

Qps Eolian deposits—quartz sand, and silt; gypsiferous in part, forms dunes and sheets; derived from playas
Qpk Eolian deposits—gypsiferous clay and silt, with associated seed and granular gypsum; forms dunes and sheets; derived from playas
Qpf Alluvium—clay to sand deposits; sheet wash and reworked eolian deposits, marginal to playas, includes small playas
Qpv Alluvium—clay to pebble deposits in valleys
Qpl Alluvium and colluvium—clay to boulder deposits; derived by sheet wash

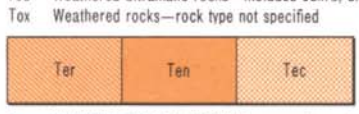
Qqs Eolian deposits—clay, silt, and sand; calcareous; contains nodular, and sheet kankar; in part reworked

Ttc Alluvium and colluvium—boulder deposits
Ttl Limonite deposits—limonite-cemented ironstone gravel and laterite
Ttf Residual and reworked deposits—ferruginous and siliceous; includes silcrete, ferricrete, yellow to buff sand, ironstone gravel limonite nodules, and ferruginous sandstone
Tog Weathered granitic rocks
Tou Weathered ultramafic rocks—includes ochre, chalcedonic and opaline silica, and magnesite
Tox Weathered rocks—rock type not specified

TERTIARY

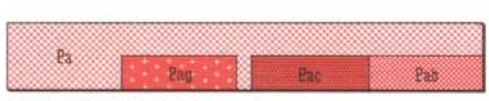
EOCENE

Eundynie Group

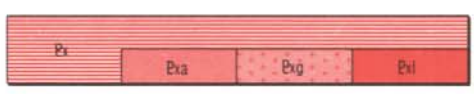


Ter **PRINCESS ROYAL SPONGOLITE:** spongolite; minor shale, siltstone, sandy spongolite and silicified spongolite
Ten **NORSEMAN LIMESTONE:** sandy fossiliferous limestone; minor fossiliferous sandstone and siltstone
Tec **COWAN DOLOMITE:** massive, very fine-grained, white to grey

PROTEROZOIC

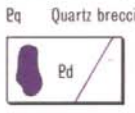


MOUNT ANDREW MIGMATITES:
Pa Migmatite—granitic gneiss permeated by granitic material; minor amphibolite
Pag Granite—leucocratic, equigranular
Pac Granodiorite—porphyritic; garnetiferous, coarse-grained, sheared.
Pab Garnet-biotite-quartz-feldspar augen gneiss—probably metamorphosed porphyritic granite

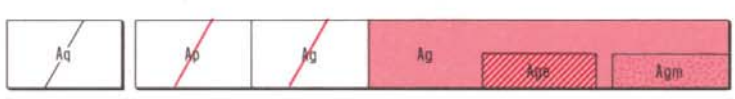


FRASER COMPLEX:
Px Acid and basic granulites, gabbro, flaser-gneiss, beerbachite, microgranite and acid pegmatite
Pxa FRASER FAULT ZONE: migmatite-plagioclase-quartz leucosomes; magnetite-epidote-clinopyroxene-garnet-hornblende palaeosomes
Pxg Flaser-gneiss with lit-par-lit microgranite
Pxl Granite—porphyrtic

Pq Quartz breccia—silicified; occupies fault zone

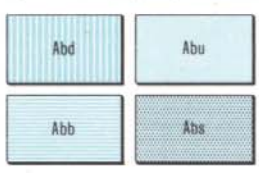


Pd **WIDGIEMOOLTHA DYKE SUITE:** norite, gabbro, pyroxenite, peridotite, and noritic dolerite

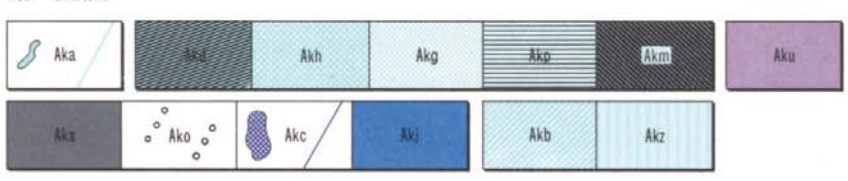


Aq Quartz vein; locally gold-bearing
Ap Pegmatite
Ag Granites: not subdivided—locally porphyritic, commonly foliated; unknown mutual relationships; abundant pegmatites in places
Age Biotite granite—equigranular
Agm Migmatite; marginal between Archaean formations and granite

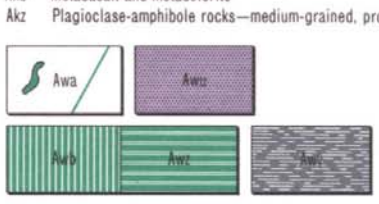
KILLALOE FORMATION:
Aea Porphyritic felsite in sills; displays metamorphic foliation
Aeo Polymictic conglomerate—clasts of granite, felsite and basic igneous rocks
Aes Sedimentary rocks—schistose and recrystallized, include acid pyroclastic rocks; sedimentary rocks cut by abundant felsite dykes
Aex Banded feldspar-epidote-actinolite-quartz rocks; banding probably represents relict bedding. Metamorphosed Aes



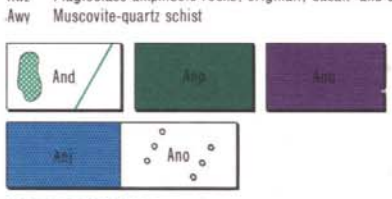
BULDANIA FORMATION:
Abd Metamorphosed dolerite and differentiated gabbroic sills
Abu Serpentinite and chlorite-tremolite rock
Abb Metabasalt and metadolerite
Abs Siltstone



MOUNT KIRK FORMATION:
Aka Porphyritic felsite in dykes and sills
Akd Metamorphosed gabbroic sills—original differentiates include granophyre, gabbro, pyroxenite, and peridotite
Akh Metagabbro-hornblende-bearing, local development of granophyre shown as xxx; differentiate of Akd
Akg Gabbro, in part uralitized; differentiate of Akd
Akp Pyroxenite—in part metamorphosed to chlorite-talc-amphibole assemblages, differentiate of Akd
Akm Peridotite and pyroxenite, differentiate of Akd
Aku Serpentinite, serpentinized peridotite, and carbonate-talc-chlorite-tremolite rocks
Aks Acid volcanic rocks—includes pyroclastic rocks and minor black shale; in part reworked
Ako Polymictic conglomerate
Akc Chert ferruginous chert and banded, silicified, fine-grained sedimentary rocks
Akj Metamorphosed banded iron formation
Akb Metabasalt and metadolerite
Akz Plagioclase-amphibole rocks—medium-grained, probably originally basalt and dolerite



WOOLYEENYER FORMATION:
Awa Porphyritic felsite in dykes and sills
Awu Serpentinite and talc-chlorite-tremolite rocks
Awb Metamorphosed basaltic pillow lava, dolerite and gabbro, minor graphitic slate
Awz Plagioclase-amphibole rocks; originally basalt and dolerite
Awv Muscovite-quartz schist



NOGANYER FORMATION:
And Metadolerite in sills and dykes
Anp Metapyroxenite
Anu Serpentinite and talc-chlorite-tremolite rocks
Anj Metamorphosed banded iron formation, chert, sandstone, siltstone, agglomerate, tuff, and acid volcanic rocks
Ano Chert pebble conglomerate

PENNESHAW FORMATION:
Apb Metabasalt and metadolerite
Apz Plagioclase-amphibole rocks; originally basalt and dolerite
Aps Metamorphosed siltstone and sandstone, minor pebble conglomerate
Apj Metamorphosed banded iron formation
Apv Quartzite—fine-grained; strongly foliated

ARCHAEAN

Mineral assemblages attain almandine—amphibolite facies grade

Regional metamorphism is not uniform