

**Colluvial units**

- C* Colluvium, undivided; includes gravel, sand, and silt
- Cmp<sub>r</sub>* Lithic-rich colluvium predominantly from Proterozoic mafic and ultramafic rock
- Cf* Ferruginous gravel and reworked ferruginous duricrust
- Cg* Quartzfeldspathic gravel, sand, and silt commonly derived from granitic rocks and associated weathering products
- Cg<sub>m</sub>* Colluvium of gravel, sand and silt commonly derived from felsic gneissic rocks and associated weathering products
- Ck* Colluvium dominated by reworked calcrete; includes loose nodules and irregular fragments
- Ck<sub>m</sub>* Colluvium with abundant calcrete nodules; includes fragments derived from psammitic rocks
- Ckp* Colluvium with abundant calcrete nodules; includes fragments of plutonic rocks commonly derived from granitic rocks
- Ck<sub>v</sub>* Colluvium with abundant calcrete nodules; includes fragments derived from volcanoclastic rocks
- Cm* Colluvium derived from mafic rocks; includes gravel, sand and silt
- Cq* Quartz-vein debris
- Cz* Colluvium of siltstone; includes gravel, sand and silt

**Sheetwash units**

- W* Clay, silt, and sand in extensive fans; local ferruginous gravel
- W<sub>p</sub>* Clay, silt, sand, and gravel on playas and pans
- Wf* Clay, silt, and sand with abundant ferruginous grit
- Wg* Clay, silt, and sand commonly derived from granitic rock
- Wk* Clay, silt, and sand with abundant calcrete nodules
- Wk<sub>p</sub>* Clay, silt, and sand with calcrete nodules; includes fragments commonly derived from granitic rocks
- Wk<sub>v</sub>* Clay, silt, and sand with calcrete nodules; includes fragments of rhyolite
- Wk<sub>v</sub>* Clay, silt, and sand with calcrete nodules; includes fragments of volcanoclastic rocks
- Wq* Clay, silt, and sand with abundant quartz-vein debris
- Wq<sub>i</sub>* Clay, silt, and sand with quartz-vein and siltstone debris with iron cement
- Wq<sub>p</sub>* Clay, silt, and sand with quartz-vein and granitic debris

**Alluvial units**

- A* Clay, silt, sand, and gravel in channels and on floodplains
- A<sub>p</sub>* Clay and silt in claypans
- Ak* Calcrete and carbonate-cemented alluvium in fluvial channels

**Lacustrine units**

- L<sub>d</sub>* Sand, silt and gypsum in dunes adjacent to and within playa lakes
- L<sub>m</sub>* Mixed dunes, evaporite, and alluvial deposits, typically adjacent to playa lakes
- L<sub>p</sub>* Saline and gypsiferous evaporite deposits, clay, silt, and sand in playa lakes



**Lacustrine units**

- L<sub>d1</sub>* Dune and lake deposits; active systems within and adjacent to playa lakes; non-vegetated or poorly vegetated
- L<sub>d2</sub>* Stabilized dunes within and adjacent to playa lakes; typically vegetated
- L<sub>d2k</sub>* Calcretised dune adjacent to playa lakes; non-vegetated or poorly vegetated
- L<sub>p2</sub>* Playa lakes; vegetated, dry and commonly distal to more extensive and larger playa lakes



**Residual or relict units**

- Rcxp<sub>m</sub>* Residual clays in the mottled to saprolitic zones containing sand to granule size quartz; commonly over monzogranite
- Riw* Deeply weathered rock; protolith undetermined
- R<sub>s</sub>* Quartz-rich residual sand
- R<sub>g</sub>* Quartzfeldspathic sand, commonly over granitic rock
- R<sub>g</sub>p<sub>g</sub>* Quartzfeldspathic sand and minor siltstone over granite; sparse granite outcrop; includes mottled and leached zones of weathering profile
- R<sub>c</sub>* Clay
- R<sub>f</sub>* Ferruginous duricrust, massive to rubbly; includes iron-cemented reworked products
- R<sub>k</sub>* Calcrete
- R<sub>z</sub>* Siltstone

PALEOGENE  
Eocene  
Eumdyne Group



**EUNDYNE GROUP:** undivided siliciclastic rocks, locally spongilitic, bituminous, calcareous, or bioclastic; generally poorly indurated; locally silicified and ferruginized

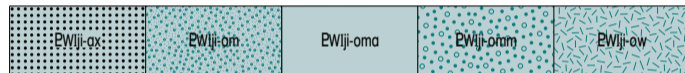
EUCAL BASIN



Dolerite dyke, sill, and plug; fine- to medium grained dolerite and gabbro; includes cumulate and granophyric differentiates (interpreted from aeromagnetic data where dashed).

**Albany-Fraser Orogeny (1345-1140 Ma')**

c. 2411 Ma<sup>2</sup>

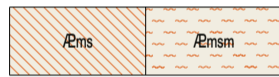


**Jimberlana Dyke**

- EWiji-ox* Pyroxenite
- EWiji-om* Gabbro-norite
- EWiji-oma* Gabbro-norite; fine-grained
- EWiji-omm* Gabbro-norite; medium-grained
- EWiji-ow* Norite



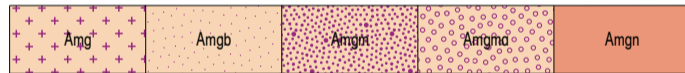
- g* Granitic dyke
- gp* Pegmatite dyke or pod
- zq* Quartz vein or pod; massive crystalline, or brecciated



- Ams* Schist; deeply weathered
- Amsm* Muscovite schist



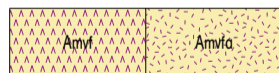
Syenogranite



- Amg* Metagranitic rock
- Amgb* Biotite-rich metagranitic rock
- Amgm* Metamonzogranite; medium to coarse grained
- Amgma* Amphibole-rich metamonzogranitic rock
- Amgn* Quartzfeldspathic granitic gneiss; locally migmatitic; includes local mafic bands and enclaves
- Ag* Granitic rock, undivided; includes deeply weathered rock
- Agcbs* Quartz monzonite; biotite-rich with abundant mafic schlieren
- Agm* Monzogranite; biotite-bearing, local hornblende; commonly medium to coarse grained; minor granodiorite
- Agmb* Biotite-rich monzogranite; commonly medium to coarse grained
- Agme* Equigranular monzogranite
- Agmv* Muscovite bearing monzogranite; locally includes biotite (subsurface only)



Muscovite schist



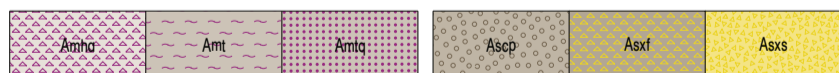
- Amvf* Metafelsic volcanoclastic rocks
- Amvfa* Metafelsic volcanoclastic rock with abundant hornblende

<2663 Ma



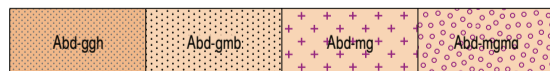
Metarhyolitic rock; locally quartz-phyric and tuffaceous

c. 2676 Ma



- Amha* Psammitic and pelitic rocks with abundant secondary mafic minerals; hornblende-actinolite-tremolite
- Amt* Psammitic rocks; locally with biotite and/or garnet; locally schistose
- Amtq* Medium-grained quartzite; local metamorphosed quartz siltstone and quartz-muscovite schist
- Ascp* Conglomerate; polymictic; metamorphosed
- Asxf* Breccia with felsic volcanic clasts; clast supported; metamorphosed
- Asxs* Breccia with poorly sorted sedimentary clasts; clast supported; metamorphosed

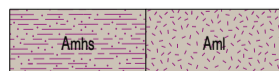
<2684 Ma



**BULDANIA GRANODIORITE**

- Abd-ggh* Hornblende-bearing granodiorite; locally includes biotite
- Abd-gmb* Biotite-rich monzogranite
- Abd-mg* Metagranitic rock
- Abd-mgma* Amphibole-rich metamonzogranitic rock

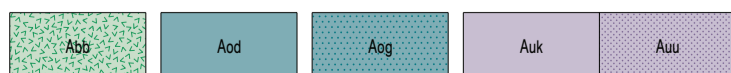
c. 2686 Ma<sup>3</sup>



- Amhs* Psammitic and pelitic rock; locally schistose
- Ami* Pelitic rock; locally schistose



Amphibolite; relict, coarse plagioclase phenocrysts



- Abb* Basalt; locally porphyritic; includes dolerite-textured zones and feldspar-hornblende or chlorite schist; metamorphosed
- Aod* Dolerite; minor basalt or gabbro components; metamorphosed
- Aog* Gabbro; minor pyroxenite or quartz gabbro components; metamorphosed
- Auk* Komatiite and komatiite flow units; olivine spinifex texture and locally well developed cumulate zones; metamorphosed to tremolite-chlorite, serpentine, and carbonate assemblages
- Auu* Dunite; massive serpentinite with preserved olivine-cumulate microstructures; metamorphosed

NORTHERN FORELAND  
ALBANY-FRASER OROGEN

YILGARN CRATON