

Colluvial units

- C* Colluvium, undivided; includes gravel, sand, and silt
- Cg* Quartzfeldspathic gravel, sand, and silt, commonly derived from granitic rock and associated weathering products
- Cgm* 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
- Ckl* Colluvium of gravel, sand and silt comprising calcrete, mafic and felsic rock fragments
- Ckp* Colluvium with abundant calcrete nodules; includes fragments of plutonic rocks commonly derived from granitic rocks
- Cq* Quartz-vein debris
- Cl* Heterogenous lithic-rich colluvium; comprising both mafic and felsic fragments
- Cz* Colluvium of silcrete; includes gravel, sand, and silt
- Czp* Colluvium of silcrete; mixed with fragments of plutonic rocks commonly derived from granitic rocks

Sheetwash units

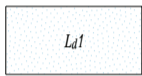
- W* Clay, silt, and sand in extensive fans; local ferruginous gravel
- Wp* Clay, silt, sand, and gravel in playas and pans
- Wf* Clay, silt, and sand with abundant ferruginous grit
- Wfl* Sheetwash of gravel, sand and silt comprising calcrete, mafic and felsic rock fragments
- Wg* Clay, silt, and sand, commonly derived from granitic rock
- Wk* Clay, silt, and sand with abundant calcrete nodules
- Wq* Clay, silt, and sand with abundant quartz-vein debris
- Wz* Wash of silcrete; includes gravel, sand, and silt

Alluvial units

- A* Clay, silt, sand, and gravel in channels and on floodplains
- Ap* Clay and silt in claypans
- Ak* Calcrete and carbonate-cemented alluvium in fluvial channels

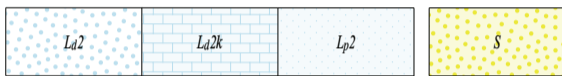
Lacustrine units

- Ld* Sand, silt, and gypsum in dunes adjacent to and within playa lakes
- Lde* Lithified 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

- Ld1* Dune and lake deposits; active systems within and adjacent to playa lakes; non-vegetated or poorly vegetated

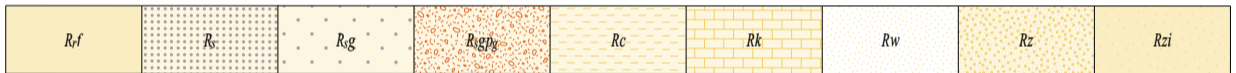


Lacustrine units

- La2* Stabilized dunes within and adjacent to playa lakes; typically vegetated
- La2k* Calcretised dune adjacent to playa lakes; non-vegetated or poorly vegetated
- Lp2* Playa lakes; vegetated, dry, and commonly distal to more extensive and larger playa lakes

Sandplain unit

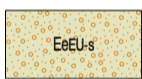
- S* Residual and eolian sand with minor silt and clay; low vegetated dunes locally common



Residual or relict units

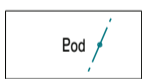
- Rrf* Ferruginous duricrust, massive to rubbly; includes iron-cemented reworked products
- Rs* Quartz-rich residual sand
- Rsg* Quartzfeldspathic sand, commonly over granitic rock
- Rsgps* Quartzfeldspathic sand and minor siliceous duricrust over granite; sparse granite outcrop; includes mottled and leached zones of weathering profile
- Rc* Clay
- Rk* Calcrete
- Rw* Deeply weathered rock; protolith undetermined
- Rz* Silcrete
- Rzi* Ferruginous silcrete

PALEOGENE
Eocene
Eudynia Group



EUDYNIA GROUP: undivided siliciclastic rocks; locally spongolitic, bituminous, calcareous, or bioclastic; generally poorly indurated; locally silicified and ferruginized

EUCIA BASIN

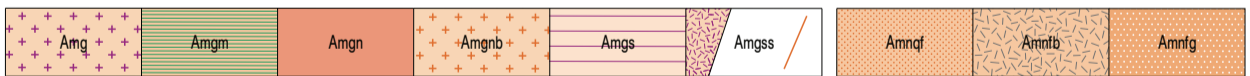


Dolerite dyke, sill, and plug; fine- to medium-grained dolerite and gabbro; includes cumulate and granophyric differentiates (Interpreted from aeromagnetic data were dashed)

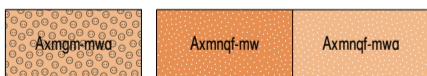
Albany-Fraser Orogeny (1345-1140 Ma¹)



- gp* Pegmatite dyke or pod (subsurface only)
- zq* Quartz vein or pod; massive, crystalline, or brecciated



- Amg* Metagranite
- Amgm* Metamonzogranite; medium to coarse grained
- Amgn* Quartzfeldspathic granitic gneiss; locally migmatitic; includes local mafic bands and enclaves
- Amgnb* Granitic gneiss; biotite-rich
- Amgs* Schist derived from granitic rock
- Amgss* Foliated metagranitic rock; includes local amphibolite lenses
- Amnqf* Quartzfeldspathic gneiss; protolith unknown
- Amnfb* Quartzfeldspathic gneiss; biotite bearing
- Amnfg* Quartzfeldspathic gneiss with biotite and garnet



- Axmgn-mwa* Metamonzogranite with subordinate amphibolite
- Axmgnq-mw* Quartzfeldspathic gneiss; protolith unknown; intercalated with subordinate metamorphic rocks (section only)
- Axmgnq-mwa* Quartzfeldspathic gneiss; protolith unknown; intercalated with amphibolite



- Ag* Granitic rock, undivided; includes deeply weathered rock
- Agc* Quartz monzonite; commonly porphyritic (subsurface only)
- Agcb* Quartz monzonite; biotite-rich
- Agcbs* Quartz monzonite; biotite-rich with mafic schlieren
- Agmw* Monzogranite; megacrystic
- Agmp* Porphyritic monzogranite



Quartz-kyanite schist; andalusite and/or chloritoid present locally



Amphibolite; relict, coarse plagioclase phenocrysts

c. 2675-2625 Ma²

YILGARN CRATON

NORTHERN FORELAND — ALBANY-FRASER OROGEN

PHANEROZOIC

CENOZOIC

PROTEROZOIC

ARCHEAN