

REFERENCE

CAINOZOIC

QUATERNARY

TERTIARY

PROTEROZOIC

ARCHAEAN

Ql	Qg	Qa	Qz	Qs	Qc
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- Ql Alluvium—clay, silt and sand; mainly saline playa lake surface
- Qg Mixed alluvium and eolian clay, silt and sand — lake, claypan and dune country adjacent to main plays
- Qa Sandy loam — alluvial wash
- Qz Mixed colluvium and alluvium — red-brown loam, sheetwash deposits; grades to Qs and Qc
- Qs Eolian sand in dunes — red-brown
- Qc Colluvium — quartz and rock fragments in loam adjacent to outcrop

Tk	Ts	Tl
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- Tk Calcrete — sheet carbonate with minor chalcedony, in paleodrainage lines
- Ts Sandplain — yellow to white; scattered limonite nodules; remnant of extensive Tertiary sandplain
- Tl Laterite — limonite nodules in cemented matrix; grades upward into Ts and downward into bedrock



Dolerite dyke — some metamorphosed



Quartz vein



Olivine-orthopyroxene-clinopyroxene-hornblende contact hornfels. Pyroxene hornfels facies



Quartz-andalusite-muscovite contact hornfels. Hornblende hornfels facies

Ag	Agb	Agv	AgI	Agm	Agx
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- Ag Granitoid, unassigned
- Agb Biotite adamellite — even-grained allotriomorphic; with biotite in books
- Agv Variably textured, medium to coarse-grained adamellite; commonly seriate with continuous gradation in grain size of microcline phenocrysts
- AgI Medium to coarse-grained porphyritic adamellite to granite
- Agm Mixed granitic rock not separable on map scale — includes pervasive pegmatite component
- Agx Heterogeneous facies of granitoid pluton; complex mixing of anatectically derived granitoid, and assimilated gneissic rock; prominent schlieric banding

Aft	Afz
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MARDA COMPLEX

- Aft Metamorphosed volcanic rock — includes agglomerate, and crystal and lithic tuffs of rhyolite and dacite composition
- Afz Metamorphosed andesite — porphyritic and vesicular

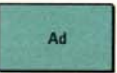
Asq	Asa	Ass	Asc
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DIEMALS FORMATION

- Asq Quartzite
- Asa Metamorphosed arenaceous rock — includes quartz-muscovite-andalusite schist
- Ass Metamorphosed argillaceous rock — includes fine-grained quartz-sericite-andalusite schist
- Asc Metamorphosed conglomerate — generally oligomictic



Quartz-albite porphyry — sills, dykes and irregular bodies



Metamorphosed gabbroic sills, dykes and irregular bodies; contains actinolite rimmed by hornblende, and calcic plagioclase. Transitional greenschist to low amphibolite facies

Al	Alp	Alc	Ala	Ald
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- Al Unassigned quartz-mica schist—deep weathered; metasediment with probable acid volcanic component
- Alp Pelitic metasediment — fine-grained quartz-sericite-graphite-andalusite schist
- Alc Chlorite schist — fine-grained
- Ala Psammitic quartz-muscovite-andalusite schist
- Ald Calc-silicate rock — contains diopside, quartz, biotite, microcline, epidote and rarely garnet



- Aiw Iron-formation—laminated Fe-amphibole rock with magnetite, hematite and/or quartz; includes jaspilite
- Aic Banded chert

Ab	Abt	Aab
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- Ab Metabasalt — tholeiitic, narrow interlayered tuff bands. Greenschist to low amphibolite facies
- Abt Metamorphosed mafic tuff — coarse lithic fragments
- Aab Amphibolite — fine to medium-grained; contains hornblende, plagioclase, quartz and biotite; dynamically metamorphosed tholeiitic basalt. Low amphibolite facies

Abu	Aub
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- Abu Metamorphosed komatiitic basalt — spinifex and variolitic textures. Greenschist to low amphibolite facies
- Aub Tremolite-chlorite-talc schist — lineated and/or crenulated; dynamically metamorphosed komatiitic basalt. Low amphibolite facies

Aup	Aux	Aus	Aur
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- Aup Serpentinite — palimpsest olivine textures recognizable
- Aux Metapyroxenite — cumulate layers within komatiitic flows, or as separate pyroxenite intrusions; large actinolite (or hornblende) pseudomorphs after primary pyroxene; contains relict cumulate textures
- Aus Metamorphosed komatiitic peridotite — spinifex texture; skeletal olivine pseudomorphed by serpentine and fibrous tremolite
- Aur Talc-chlorite-tremolite schist — medium to coarse-grained crystalloblastic; dynamically metamorphosed ultramafic volcanics or sediments; often crenulated and/or lineated

Am	Anl	Anb
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- Am Migmatite with adamellite neosome and quartz-feldspar-biotite orthogneiss palaeosome
- Anl Layered and lineated, adamellite, granodiorite or tonalite orthogneiss and augen gneiss
- Anb Banded gneiss — layered quartz-feldspar-biotite gneiss with enclaves of high-grade metamorphosed sediments and dykes; some orthogneiss component