# REFERENCE

CAINOZOIC

QUATERNARY

Qra Lacustrine deposits—clay, silt and sand;saline and gypsiferous
Qrm Lacustrine deposits—silt, sand and gravel; saline and gypsiferous. Adjacent to Qra
Qrp Alluvium—clay and silty clay in claypans and swamps; non-saline to brackish
Qrc Colluvium—red-brown to buff silt, sand and gravel; rock fragments

Qpk Eolian deposits—kopi; gypsum and clay forming dunes and sheets; marginal to salt lakes
Qps Eolian deposits—sand and silt, gypsiferous in part; forms dunes and sheets
Qpf Alluvium and reworked eolian deposits—clay to sand, gypsiferous in part; marginal to salt lakes
Qpa Alluvium—silt, sand and gravel deposits; wash from units Czg and Czs
Qpl Alluvium and colluvium—clay, loam and silt, calcareous in part; quartz, ironstone gravel, weathered rock float, gilgai
Qpv Alluvium—clay to pebble deposits; contains present day drainage
Qpm Colluvium—silt and sand composed of quartz and feldspar grains; marginal to granite outcrops

Qqs Clay, silt and sand, calcareous; contains sheet and nodular kankar
Qqf Clay, silt and sand with ironstone pebble veneer, calcareous; mantles low hills

TERTIARY

Czs Sandplain—white, yellow and buff sand and loam; undulating surface
Czg Gravel plain—ironstone pebbles and limonite nodules in sand or loam matrix ; includes reworked ferruginous and siliceous deposits
Czb Silcrete—sub-vitreous siliceous rock with angular quartz grains
Czl Limonite deposits—cemented ironstone gravel and laterite
Czj Jasperoidal chalcedony, magnesite; limonite deposits over ultramafic rocks
Czu Sandstone and conglomerate, cemented with hematite and limonite
Czo Deep-weathered rock; kaolinised; in part ferruginized and silicified

PROTEROZOIC OR ARCHAEAN

Pgs Syenite, quartz syenite, amphibole and pyroxene granite

Pd **Widgiemooltha Dyke Suite:** quartz dolerite, gabbro, norite and pyroxenite

Dykes — p: pegmatite, g: granite and porphyry, q: quartz

ARCHAEAN

Agl Granite to adamellite;porphyritic—phenocrysts sparse to abundant
Agb Biotite granite to granodiorite; medium to coarse-grained
Agt Granodiorite to tonalite; usually coarse-grained
Age Even-textured granitic rocks; fine to medium-grained
Agg Strongly foliated granitic rocks

Agm Migmatite; neosome and palaeosome easily distinguishable
Agn Migmatite; structures nebulitic and schlieric; grades into Agb

**Responsible for contact metamorphism**

GLASSE FORMATION

Ald Mafic intrusive rocks; medium to coarse-grained
Alu Ultramafic intrusive rocks; mainly pyroxenitic

Alb Mafic extrusive rocks, fine to medium-grained; pillowform in part; includes minor mafic intrusives

HONMAN FORMATION

Ahd Mafic intrusive rocks; medium to coarse-grained
Ahu Ultramafic intrusive rocks; mainly pyroxenitic

Ahw Chert, ferruginous chert, banded iron formation, minor jaspilite
Ahs Felsic tuffaceous or clastic rocks—quartz-muscovite schists

MAGGIE HAYS FORMATION

Amd Mafic intrusive rocks; medium to coarse-grained
Amu Ultramafic intrusive rocks
Amj Layered sill, ultramafic to mafic rocks
Amk Magnetite-rich phase within layered sill

Amb Mafic extrusive rocks, fine to medium-grained; mainly pillowform
Amn Mafic extrusive rocks, fine to medium-grained; porphyritic
Ams Minor felsic tuffaceous or clastic rocks
Amw Very minor ferruginous chert

Isolated remnants not included with formations

Am Amphibolite, coarse-grained
Ah Mafic hornfels, fine-grained amphibolite
Aw Chert, ferruginous chert, banded iron formation, jaspilite
As Tuffaceous or clastic rocks
Au Ultramafic rocks

**Regional metamorphism is not uniform—attains almandine-amphibolite facies**

Alh Mafic hornfels, fine-grained amphibolite
Alm Amphibolite, coarse-grained

Amh Mafic hornfels, fine-grained amphibolite
Amm Amphibolite, coarse-grained