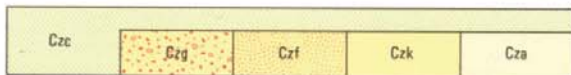


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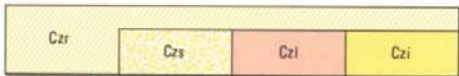
CAINOZOIC



Ql Lacustrine deposits – clay, silt and sand in mixed plays and dunes; mainly saline
 Qld Dunes – sand and kopi; marginal to lakes; kopi indicated by gypsum (Gp) symbol
 Qlp Playas – clay, silt and sand; mainly saline



Czc Alluvial and colluvial deposits – transported clay, sand and lithic fragments; may be indurated
 Czg Lateritic gravel, sand and minor clay
 Czf Quartz-feldspar sand and lithic fragments from granitoid rocks
 Czk Calcrete in mature drainage zones and around playas
 Cza Sand and clay deposited in channels and adjacent flood plains; may occur in broad valleys with no defined drainage



Czs Residual deposits – sand, clay, duricrust
 Czl Sandplain – yellow sand; commonly reworked by wind; includes red colluvial sand on plateau remnants
 Czi Laterite – commonly on top of breakaways; may include consolidated grit on stripped surface
 Czi Silcrete-siliceous duricrust



Dykes – d : mafic, commonly dolerite; di : coarse-grained leucogabbro

GRANITOID ROCKS



Veins – q : quartz
 g : granitoid; quartz diorite to adamellite



Overprint indicating granitoid rocks strongly foliated, lineated and/or recrystallized



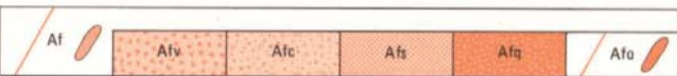
Age Granitoid rock unassigned – most is variably recrystallized and some is deformed
 Age Adamellite to granodiorite – medium even-grained; includes minor xenoliths
 Agv Adamellite – medium-grained with less than 10 per cent feldspar megacrysts; includes megacrysts of quartz
 Agp Granite to adamellite – medium to coarse-grained and porphyritic; megacrysts both idiomorphic and corroded
 Agm Granite to granodiorite – even-grained and porphyritic; intimate mixtures of Age, Agp, Agv and Agf
 Agf Granodiorite – fine to medium even-grained; commonly contains abundant biotite and feldspar megacrysts. Widespread as xenolith phase
 Am Contact migmatite – includes supracrustal remnants associated with various textural granitoid types. Typically developed near supracrustal belts

GNEISSIC ROCKS



An Biotite-quartz-feldspar gneiss unassigned – adamellite to granodiorite composition, strongly deformed with narrow mylonitic zones; several stages of recrystallization; contains foliated and recrystallized pegmatite, aplite and quartz veins
 Ang Mixed granitic orthogneiss – complex variety of cross-cutting phases with great range in texture and composition

SUPRACRUSTAL ROCKS



Af Felsic (quartzo-feldspathic) volcanic and sedimentary rocks unassigned
 Afv Felsic volcanic rocks – banded to massive, fine to medium-grained amygdaloidal lavas with tuffaceous and agglomeratic layers; rhyolitic to dacitic composition; may include minor sedimentary rocks
 Afc Felsic tuff and agglomerate – banded and crystal tufts
 Afs Felsic sedimentary rocks – fine to medium-grained; laminated to massive; includes minor Asp units; may contain felsic volcanic rocks
 Afq Quartz-muscovite schist – fine to medium-grained; occurs mainly in contact zones adjacent to granitoids; local biotite-hornblende tonalite gneiss
 Afo Quartz-plagioclase porphyry – includes fine-grained massive dacitic rocks



Ab Mafic rocks unassigned – may include minor felsic and ultramafic rocks
 Abg Gabbro – medium to coarse-grained actinolite-plagioclase rock, some with accessory quartz; may contain minor ultramafic differentiates
 Abd Dolerite – fine to medium-grained actinolite-plagioclase rock; may contain minor ultramafic differentiates
 Abx Differentiated mafic flow and sill rocks with pyroxenite or peridotite bases
 Abl Basalt – fine-grained to aphanitic plagioclase-pale amphibole rocks; includes massive, variolitic, amygdaloidal and pillowed varieties
 Abv Mafic volcanic rocks – intermixed layers of felsic and ultramafic volcanic rocks common
 Abc Basaltic agglomerates and minor tuffaceous rocks – may include minor felsic volcanic rocks
 Aba Amphibolite – pale and dark amphibole-plagioclase rocks; commonly in supracrustal remnants; developed in zones of high strain



Au Ultramafic rocks unassigned – includes minor mafic rocks
 Aus Serpentinite – serpentine-talc rocks commonly with relict texture preserved; formed after peridotite
 Aua Pale magnesian amphibole-chlorite-talc rocks – some with minor serpentinite; commonly schistose
 Aut Talc schist – minor chlorite and pale magnesian amphibole; some mafic rocks included
 Auv Ultramafic volcanic rocks – predominantly pyroclastic varieties; mainly pale amphibole-chlorite rocks with relict olivine
 Aux Pyroxenite and peridotite – partly hydrated and altered



Ai Banded iron-formation – includes banded chert
 Aih Hematite-magnetite-quartz banded iron-formation
 Aia Magnetite (hematite) - amphibole-quartz banded iron-formation; amphibole may be pale magnesian type or grunerite
 Aic Chert



As Sedimentary rocks unassigned – includes quartz-muscovite semi-pelitic rock
 Asp Pelitic to semi-pelitic quartz-feldspar rocks – includes siltstone, shale, phyllite and schist; may be laminated, graded or massive; andalusite and almandine present locally
 Asa Psammitic rocks – includes minor quartzite cross-laminated, pebbly or graded. Generally granular textured, but may be foliated
 Asy Polymictic conglomerate – cobble to boulder framework fabric; clasts include vein quartz, banded iron-formation, cleaved sandstone, chert and pelitic rock; local volcanogenic (basaltic) facies
 Asc Chert conglomerate – angular clasts in quartz or chert ground mass



Overprint indicating deeply weathered or soil covered rock

? PROTEROZOIC

ARCHAEOAN

Regional metamorphism attains greenschist to amphibolite facies