

Reference

CAINOZOIC

QUATERNARY

- Ql** Clay, silt, sand, gypsum, halite, lake deposits
- Qg** Gypsiferous sand, lake derived dunes
- Qd** Clay, silt and sand; in saline drainages and marginal to salt lakes
- Qs** Red and yellow quartz sand, aeolian
- Czc** Quartz sand, rock fragments, clay, silt; colluvium, minor alluvium
- Czk** Calcrete and kankar, minor chalcedony
- Czs** Red quartz sand, ferruginous pisoliths; residual soil over laterite
- Czl** Massive, cavernous and pisolitic laterite
- Czb** Silcrete; sub-vitreous siliceous rock with angular quartz grains; includes silicified Paterson Formation
- Cze** Deeply weathered Archaean rocks; kaolinized, in part ferruginized and silicified

PALAEZOIC

LOWER PERMIAN

- Paterson Formation**
- Pa** Undivided; includes one or more of the following facies:
 - Paf* — coarse, poorly sorted sandstone, conglomerate, minor siltstone (dominantly fluvial)
 - Pal* — claystone, siltstone, fine-grained sandstone; some erratics; rare varves (lacustrine and glacio-lacustrine)
 - Pag* — tillite; minor sandstone, siltstone, conglomerate (glacial)

PROTEROZOIC

- Eu** Fine-grained sediments
- Agj** Porphyritic granite to adamellite
- Agb** Biotite granite to granodiorite; medium to coarse-grained
- Age** Even-textured granitic rocks; fine to medium-grained
- Agg** Strongly foliated or sheared granitic rocks
- Agm** Migmatite; banded and folded
- Agn** Nebulitic and schlieric structured granitic and migmatitic rocks

INTRUSIVE ROCKS

- Ad** Mafic intrusive rocks; medium to coarse-grained
- Aj** Layered intrusion; ultramafic to mafic rocks
- Ap** Felsic intrusive rocks; quartz-feldspar porphyry. Dykes, sills and irregular bodies

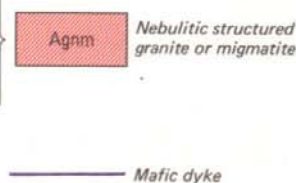
EXTRUSIVE AND SEDIMENTARY ROCKS

- Aq** Chert, ferruginous chert, minor banded iron formation
- Aw** Banded iron formation, minor chert
- As** Clastic rocks; includes minor tuffaceous and felsic rocks
- Al** Felsic extrusive rocks, rhyolite, dacite; fine-grained; some porphyritic
- Ao** Quartz-mica-chloritoid assemblages; schistose; probably altered pyroclastic rocks
- Ax** Pyroclastic rocks; agglomerate, breccia, tuff
- Ab** Mafic extrusive rocks; fine to medium-grained, basalt to andesite
- Ar** Tremolite-actinolite-chlorite assemblages; schistose; could be high-magnesium basalts

CONTACT METAMORPHOSED ROCKS

- Ah** Basic hornfels and fine-grained amphibolite
- Am** Amphibolite, coarse-grained

ROCK RELATIONSHIP DIAGRAM AND SECTION ONLY



ARCHAEAN

Regional metamorphism is not uniform — attains almandine amphibolite facies