REFERENCE

CAINOZOIC

QUATERNARY

Qra Alluvium—clay and silt in salt lakes; saline and gypsiferous
Qrm Alluvium—silt, sand and gravel in samphire flats adjacent to Qra
Qrd Colluvium and alluvium—pale red-brown to buff silt and sand; calcareous and gypsiferous in part; marginal to salt lakes
Qrs Eolian deposits—white to yellow quartz sand, red-brown silty sand; in sheets and dunes marginal to salt lakes; saline and gypsiferous in part
Qrc Colluvium—silt, sand and gravel; quartz pebble veneer and angular rock float

Qpv Alluvium—poorly sorted dark red clay to pebble deposits; contains most present-day drainage; grades into Qqz
Qpw Sheet wash; barren surfaces adjacent to Qpv
Qps Eolian deposits—mixed red, brown and yellow sand in sheets and dunes
Qpk Eolian deposits—Kopi, gypsum and clay in sheets and dunes
Qpm Colluvium—pale red silt and sand with quartz and feldspar grains; marginal to granitic rocks; grades into Qqz

Qqc Colluvium—mixed angular to rounded rock fragments in loam, calcareous in part; veneer on fresh and weathered bedrock
Qqz Colluvium and alluvium—dark red to brown clay, loam and sandy loam; contains kankar or clay hardpan
Qqf Eluvium—clay and silt with ironstone pebble veneer, calcareous in part; mantles low hills

TERTIARY

Czl Limonite deposits—cemented ironstone gravel and laterite
Czb Silcrete—sub-vitreous siliceous rock with angular quartz grains
Czj Jasperoidal chalcedony, chrysoprase, magnesite, limonitic deposits over ultramafic rocks
Czk Calcrete and kankar; massive, nodular and sheet carbonate; contains minor chalcedony
Czo Deeply weathered rock; kaolinized, subsequently ferruginized and silicified

PROTEROZOIC OR ARCHAEAN

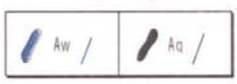
Pd Mafic dykes; quartz diorite, gabbro, olivine-gabbro. Pdx contains numerous quartz xenoliths

Dykes: g: granite and porphyry, q: quartz

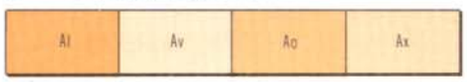
ARCHAEAN

Agb Biotite granite to adamellite, medium to coarse even-grained
Age Biotite granite to granodiorite, fine to medium even-grained
Agl Granite to adamellite, medium to coarse-grained porphyritic, phenocrysts sparse to abundant
Agg Strongly foliated granitic rocks
Agm Migmatite and gneiss
Ags Svenite

As Black shale, mudstone and minor greywacke, siliceous shale; in part pyroclastic; schistose
Aa Shale, siltstone, sandstone and minor conglomerate, often showing graded and cross bedding
Al Fine-grained felsic volcanoclastic rocks; bedded.schistose
Acp Conglomerate, polymictic; contains clasts of granite, jaspilite, chert, sediment, felsic to mafic extrusive rocks
Aco Conglomerate, almost oligomictic; contains clasts of granite to adamellite with a few mafic pebbles
Acm Metapelite; quartz-muscovite-kyanite assemblages with deformed granitoid inclusions; regionally metamorphosed Aa and Aco



Aw Banded quartz-magnetite rock, minor chert
Aq Banded chert, ferruginous chert



Al Felsic extrusive rocks; rhyolite to dacite, fine-grained.some porphyritic
Av Agglomerate—contains rounded felsic igneous clasts; derived from and marginal to Al
Ao Altered felsic pyroclastic and extrusive rocks; schistose
Ax Pyroclastic rocks—agglomerate and tuff-breccia

Ap Quartz-feldspar porphyry in sills, dykes and irregular bodies

Ab Mafic extrusive rocks; fine to medium-grained
Ai Mafic extrusive rocks; similar to Ab but with variolitic texture and pillow structure
Ah Mafic hornfels and fine-grained amphibolite (contact metamorphic rock)
An Similar to Ab, contains phenocrysts of altered feldspar, includes some porphyritic dolerite

Ad Mafic intrusive rocks; gabbro to diorite; medium to coarse-grained
Am Amphibolite, banded amphibolite, epidiorite; coarse-grained (contact metamorphic rock)

Au Ultramafic rock, unassigned
Aup Serpentinite after coarse-grained and porphyritic olivine-rich ultramafic rock
Aus Serpentinite after fine-grained ultramafic rock; commonly exhibits spinifex texture
Aux Pyroxenite sills; medium to coarse-grained clinopyroxene with orthopyroxene phenocrysts
Ae Altered ultramafic rocks—talc-carbonate-chlorite-serpentine assemblages; schistose
Ar Altered mafic to ultramafic rocks—tremolite-chlorite-actinolite assemblages; high magnesium basalts

Regional metamorphism attains greenschist or amphibolite facies