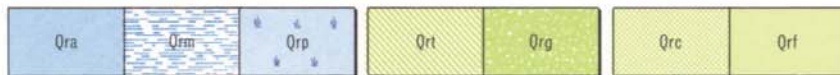


REFERENCE



- Qra Lacustrine deposit—clay, silt and sand; saline and gypsiferous
- Qrm Lacustrine and fluvial deposit—silt, sand and gravel; saline; gypsiferous where adjacent to Qra
- Qrp Alluvium—clay and silty clay in claypans and swamps; non-saline to brackish
- Qrt Colluvium and minor alluvium derived from units Czs, Czc, Czg, Qqs
- Qrg Colluvium of deeply eroded surfaces; contains rock fragments and minor outcrops
- Qrc Coastal dune sand forming long parallel dunes on coastal plains; overlies Qpl
- Qrf Beach sand



- Qpa Alluvium—silt, sand and gravel deposit, sheetwash from units Czs, Czc, Czg
- Qpv Alluvium of mature drainage
- Qps Eolian deposit—sand in sheets and dunes
- Qpk Eolian deposit—gypsum and clay in sheets and dunes
- Qpl Calcareous shelly sandstone and grit, forms consolidated coastal dunes and foreshore reefs



- Qqs Clay, silt and sand, calcareous; contains nodular and sheet kankar



- Czs Sandplain—mostly sand, undulating surface
- Czc Sandplain—mostly loam or clay, with some ironstone pebbles and limonite nodules
- Czg Gravel plain—mostly unconsolidated limonitic gravel, in part sand or loam matrix
- Czl Limonite deposit—cemented ironstone gravel and laterite
- Czb Silcrete—subvitreous siliceous rock with angular quartz grains
- Czo Deep-weathered rock, kaolinized, in part ferruginized and silicified
- Czu Sandstone and conglomerate cemented with hematite and limonite; quartzite; in part underlies Tep
- Czm Magnesite with associated Czs



- Tep **PALLINUP SILTSTONE**: yellow to grey siltstone, silty sandstone and spongolite; with fossils

QUATERNARY

CAINOZOIC

TERTIARY

Plantagenet Group

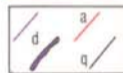
PROTEROZOIC



- MOUNT BARREN BEDS**: sedimentary rocks, unassigned
- Phyllite, schist, minor sandstone and quartzite
- Massive quartzite
- Dolomite, with stromatolites
- Conglomerate, includes basal conglomerate (polymict), and intraformational conglomerate (oligomict)



- Syenite



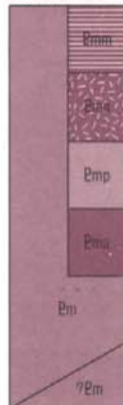
- Dykes—d: dolerite and gabbro; a: aplite; q: quartz



- Widgiemooltha Dyke Suite**



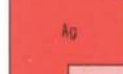
- Metamorphosed ultramafic rocks



- Migmatite with layered structure
- Migmatite with nebulitic and schlieren structure, includes banded and highly metamorphosed sediments
- Augen gneiss or metamorphosed granitic rock with megacrysts
- Mafic or amphibolitic migmatite
- Migmatite, unassigned
- Transitional migmatite of uncertain age



- Transitional granitic rocks of uncertain age



- Granitic rock unassigned



- Adamellite, porphyritic



- Granite/adamellite, younger, fine-grained unit, intrudes Agb



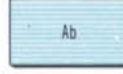
- Granite/adamellite, medium to coarse-grained, Agb' sheared variety



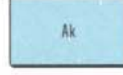
- Granite/adamellite, older, fine-grained unit intruded by Agb



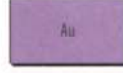
- Quartz diorite, with related lithium-bearing pegmatite indicated (p)



- Migmatite, mainly with banded and schlieren structures



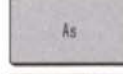
- Fine-grained mafic rock, pillowed and variolitic in part, includes plagioclase+hornblende±diopside, and tremolite+chlorite+clinozoisite assemblages



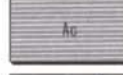
- Basic agglomerate



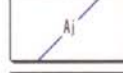
- Serpentinite, after intrusive and minor extrusive peridotite



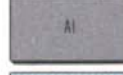
- Ultramafic rock, altered to schistose talc+carbonate+tremolite+chlorite rock



- Sandstone, quartzite, phyllite, chert



- Conglomerate



- Banded iron and banded chert formations



- Felsic extrusives, mainly dacite



- Amphibolite, includes hornblende+plagioclase±epidote±zoisite±garnet±quartz±calcite±diopside assemblages

Regional metamorphism not uniform, attains almandine-amphibolite facies

ARCHAIC