748009

REFERENCE

QUATERNARY — HOLOCENE / PLEISTOCENE — Qu

- Qhm — *Mine tailings and man-disturbed ground.*
- Qha — *Stream alluvium and swamp deposits.*
- Qqa — *Older alluvium of river terraces; predominantly dolerite-derived (Qqad).*
- Qqc — *Colluvium — clayey quartz-granule gravel derived from granitic rocks (Qqcg); clayey gravel derived from dolerite (Qqcd); sand derived from Upper Parmeener rocks (Qqcq).*
- Qpt — *Talus, scree and rare till (moraine ridges indicated • • • • •) consisting of dolerite (Qptd); talus — dolerite and subordinate Upper Parmeener rocks (Qptt), dominantly Upper Parmeener quartz sandstone (Qptq), dominantly Lower Parmeener rocks (Qptp), dominantly granitic rocks (Qptg).*
- Qpb — *Dolerite block fields, probably underlain by clay from weathered dolerite; with interstitial fines (Qpbs), without interstitial fines (Qpbb).*
- Qpf — *Toppled dolerite masses (> 100m), coherent or partly disaggregated, produced by cliff failure.*

Erosional surface.

TERTIARY — Tu

- Ts — *Quartz sand and gravel.*
- Tb — *Basalt.*
- Tc — *Carbonaceous grey clay, gravel including dolerite boulder beds, and minor conglomerate and lithic sandstone. Only recorded in boreholes in upper South Esk [EP820960] and Henbury [EP660790] areas.*

Low-angle unconformity.

TRIASSIC — Ru

- Rl — *Dominantly lithic sandstone with minor mudstone and coal (Rll); in places with minor pebbly layers and conglomerate composed of extrabasinal clasts (Rlc); dominantly mudstone (Rlm).*
- Rt — *Quartz-rich lithic sandstone and minor quartz sandstone (Rt); with mudstone and carbonaceous mudstone (Rtm).*
- Rq — *Cross-bedded quartz sandstone. (Rq)*
- Pi — *Fine-grained, slightly feldspathic quartz sandstone, micaceous shale, and minor carbonaceous mudstone.*

PERMIAN — Pu

- Pm — *Poorly sorted grey mudstone, siltstone and rare sandstone, unfossiliferous except for rare forams. Bed of pebbly sandstone about 1m thick indicated (Pmp). (Pm: Prospect Creek Mudstone).*
- Pg — *Thick-bedded, usually poorly sorted, pebbly sandstone passing up into interbedded sandstone, siltstone and mudstone. Marine fossils abundant in places. (Pg: Mistletoe Sandstone).*
- Pel — *Marine fossiliferous mudstone, siltstone and minor sandstone and bioclastic limestone (Pe); dominantly bioclastic limestone (Pel: Burnt Gully Limestone.)*
- Pe
- Pf — *Fine-grained pebbly sandstone with phosphatic nodules. Marine fossils present in some areas. Unit about 2m thick. Indicated by line (——) in places. (Pf: Fonthill Sandstone Member).*
- Pd — *Mudstone, siltstone and minor poorly sorted sandstone. Uncommon marine fossils. (Pe, Pf, Pd: Castle Carey Mudstone).*
- Ps — *Dominantly fine-grained, well sorted quartz sandstone, commonly with interbedded and interlaminated carbonaceous shale, lesser conglomerate and rare coal (Ps); dominantly very coarse-grained arkosic sandstone and granule conglomerate (Psc). (Ps: Aberfoyle Formation).*
- Pb — *Poorly sorted pebbly mudstone, sandstone and minor conglomerate, marine fossils present in places (Pb); dominantly conglomerate (Pbc). (Pb, Pbc: Strickland Gorge Formation).*

Areas of partly silicified Lower Parmeener rocks indicated by overprint ( ).

UPPER PARMEENER SUPERGROUP — LYMINGTONIAN STAGE
LOWER PARMEENER SUPERGROUP — BERNACCHIAN STAGE / TAMARIAN STAGE
REKUNIAN SERIES

Angular unconformity.

EARLY DEVONIAN -SILURIAN- ORDOVICIAN(?) — SDu

- SDs — *Quartzwacke turbidite sequence of interbedded sandstone, siltstone and mudstone (SDu): dominantly sandstone and siltstone (SDs); dominantly mudstone and siltstone (SDp).*
- SDp — *Psammite (SDsm) and spotted pelite (SDpm) contact metamorphosed by granitic intrusions indicated by overprint ( ).*

MATHINNA BEDS

IGNEOUS ROCKS

TERTIARY

- Tb — *Basalt.*

JURASSIC

- Jdl — *Dolerite — grain size < 0.2mm (vf), 0.2-0.7mm (f), 0.7-1.5mm (m) and > 1.5mm (c) indicated; with orthopyroxene (o), with abundant poorly crystalline mesotasis (e), with intersertal black glass (g). Areas with later very fine-grained dykes shown (d).*
- × × × × × — *Contact metamorphism indicated by overprint.*

GRANITIC INTRUSIONS

SCOTTSDALE BATHOLITH

DEVONIAN

- Dsg — *Biotite-hornblende granodiorite.*

BEN LOMOND GRANITE

- Dlg — *Porphyritic fine- to medium-grained alkali feldspar granite/granite with quartz and variable amounts of K-feldspar phenocrysts.*
- Dla — *Equigranular to porphyritic alkali-feldspar granite/granite with variable amounts of K-feldspar phenocrysts (Dla); fine- to medium-grained (Dlaf), coarse-grained (Dlac); areas of surficial pink weathering of K-feldspars indicated by overprint ( ).*
- *Contact metamorphism indicated by overprint. Greisen (G), hydrothermal alteration (H) indicated.*

Some areas where rocks units inferred from float indicated, (e.g. SDs', Pm', Jdl').