



RELICT REGIME

- R1 Farmhouse patches and nodules
- R2 Iron-rich duricrust forming remnant land surfaces
- R3 Sclerite (commonly weakly ferruginized) and silicified rock
- R4 Quartz-rich sand overlying presumed or known R1-R3 material

EROSIONAL REGIME

- E1 Mottled zone and saprolite
- E2v Outcrop of saprock and bedrock areas of subcrop with locally derived sandy clay, coarse (bouldery) lag may be present adjacent to prominent ridges, derived from gneissosomes and other mafic rocks
- E2s As E2v but derived from sedimentary rocks
- E2m As E2v but derived from metamorphic rocks, predominantly granitic gneiss
- E2a As E2v but derived from amphibolite
- E4v Lag of locally derived ferruginous and/or silicic fragments, bedrock is a sandy clay matrix associated with actively eroding outcrops; derived from gneissosomes and other mafic rocks
- E4s As E4v but derived from sedimentary rocks
- E4m As E4v but derived from metamorphic rocks, predominantly granitic gneiss
- E4a As E4v but derived from amphibolite
- q Quartz vein

DEPOSITIONAL REGIME

DOMINANTLY COLLUVIAL

- DC1 Medium- to coarse-grained detritus, mainly of felsic or ferruginized felsic clasts (most >25 mm) in colluvium with a sand or sandy clay matrix
- DC1v DC1 derived from gneissosomes
- DC1s DC1 derived from sedimentary rocks
- DC1m DC1 derived from metamorphic rocks, predominantly granitic gneiss
- DC1a DC1 derived from amphibolite
- DC2 Fine- to medium-grained detritus (clasts 4-25 mm) mainly of felsic or ferruginized felsic origin, in a red sandy clay columnar matrix, or quartz in a sandy clay matrix
- DC2s DC2 derived mainly from sedimentary rocks
- DC2m DC2 derived mainly from metamorphic rocks, predominantly granitic gneiss
- DC3 Sand- and clay-dominated colluvium or sheetwash (<1- hallopay; merges into alluvial plains (DAS))
- DC3m Consolidated colluvium (hardpan) with a ferruginous or silica-rich cement, reddish brown and poorly bedded

DOMINANTLY ALLUVIAL

- DA Gravely sands and sandy clays of active alluvial channels with mixtures of felsic, non-felsic, and variably altered felsic fragments
- DAS Sand- or clay-rich alluvium and colluvium on broad drainage floors, including overbank alluvial deposits and terraces, includes non-saline clayey, calcareous fragments
- DA7 Saline clays and sandy clays of plays talus, commonly lacking vegetation
- DAS Extensive and continuous calcareous outcrop in broad drainage floors (valley caliche)
- D9 Sandplain, silt in origin; forms dunes and this sheet

SYMBOLS

- Regolith boundary
- Breakaway
- Minor road
- Track
- Watercourse, ephemeral
- Homestead
- Locality
- Mining centre
- Major mine (see, unless otherwise indicated)
- Mine
- Minor mine
- Prospect
- Mineral occurrence
- Au Gold
- Cu Copper
- Fe Iron ore
- Gs Variscite
- Mn Manganese
- T Talc

GEOLOGICAL INTERPRETATION

Geological interpretation: After Ellis and Williams (1980); Myers, Occhipinti, and Swager (1996, pers. comm.)

PROTEROZOIC

- Bangemall Group
 - Quartz arenite; minor wackes, siltstone, conglomerate, shale, and dolomite
 - Shale and siltstone; minor chert, claystone, dolomite, and sandstone
 - Chert, arenite, and siltstone; minor dolomite and shale
- Padbury Group
 - Wacke, siltstone, conglomerate, shale, quartz arenite, and calcareous sedimentary rocks
 - Granular and banded iron-formation, and hematitic shale
- Bryah Group
 - Sedimentary rocks, mafic and ultramafic volcanic and intrusive rocks, and banded iron-formation
- Yerrida Group
 - Quartz arenite, shale, and quartz-pebble conglomerates
- Trilbar Complex
 - Mafic to ultramafic volcanic and plutonic rocks

ARCHEAN

- Volcanic and sedimentary rocks (includes gneissosomes)
- Granite and granitic gneiss
- Banded iron-formation
- Amphibolite

Geological boundary

- Major fault or shear

SHEET INDEX

MOUNT PHILLIPS SG 50-2	MOUNT EGBERTON SG 50-3	COLLIER SG 50-4
GLENNBURGH SG 50-5	ROBINSON RANGE SG 50-7	PEAK HILL SG 50-8
BYRO SG 50-10	BEILEE SG 50-11	GLENNHARRY SG 50-12