





















REFERENCE

RELICT REGIME		CEIRO (1)	CEIRO (2)	AGRO
R1	Ferngloss pebbles and nodules	L11	R2	NDG
R2	Iron-rich duricrust forming remnant land-surfaces	L12 L13	R1	D64
R3	Stevens (often weakly ferruginized); mainly overites granitoids and sedimentary rocks	B52	--	D60
R4	Quartz-rich sands and silts overlying presumed or known R1-R3 material	ET1, L58 L54	D9	WR2

EROSIONAL REGIME










	E1	Mottled zone and saprock; generally poorly exposed		SP1-5	E3 E4	WR11-14
	E2	Outcrop of saprock and bedrock, and areas of subcrop with locally derived breccia and sandy clay; coarse (bouldy) lag may be present adjacent to prominent ranges		BR3, SR2 SS1, SS6	E4-E6inc	WR12, WR21 WR24
	E2g	E2 derived from granitoid rock				
	E2v	E2 derived from volcano-sedimentary greenstones and other mafic rocks				
	E2s	E2 derived from sedimentary rocks				
	E2m	E2 derived from schistose and gneissic metamorphic rocks				
	E4	Lag of locally derived ferruginous and/or tuffic fragments, and/or heterop in a sandy clay to sand-rich matrix associated with actively eroding outcrops/morphs		NL3, SS1 SS3, SS8	E6 E7	WR12, WR21 WR24
	E4g	E4 derived from granitoid rock				
	E4v	E4 derived from volcano-sedimentary greenstones and other mafic rocks				
	E4s	E4 derived from sedimentary rocks				
	E4m	E4 derived from schistose and gneissic metamorphic rocks				

DEPOSITIONAL REGIME

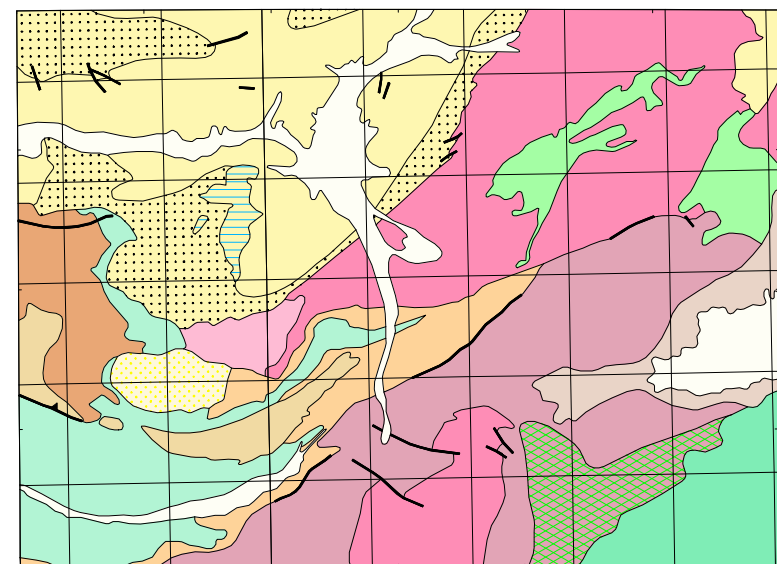
DOMINANTLY COLLUVIAL					
	D01	Medium to coarse detritus, mainly of lithic or ferruginized lithic clasts (most >25 mm) in coluvium with a sand or sandy clay matrix	C50, C54 M3	D1 D4	SC01, SC04 SC06
	D02	Fine to medium detritus (most clasts 4-25 mm) mainly of ferruginized lithic origin, or quartz in a sandy clay matrix	C51, C53 C54, M2	D2	SC06
	D03	Sand and clay (with or without feldspar)-dominated coluvium or sheetwash; merges into alluvial plains (D45)	AS1, C51-4 M2, L	D3 D4	SC06 SC06
	D04	Detritus, mainly non-lithic ferruginous (most clasts <10 mm) possibly magnetite in red sandy clay; includes barchart gravel	DM1 DM2	D3 D4	SC06 SC06
DOMINANTLY ALLUVIAL					
	D41	Grownly sands and sandy clays of active alluvial channels with mixtures of ferruginous and variably altered lithic fragments	AS1 AS2	D1	SA00 SA01
	D45	Sand or clay-rich alluvium and coluvium on broad drainage floors, including overbank alluvial deposits and terraces; includes non-lithic clayey/silt, calcareous fragments	AS1 AS2	D6	SA02
	D46	Gypsiferous soils and sediments adjacent to playa lakes; usually vegetated	AS3 AS4	D7 D8	DS01, FR02 SC06
	D47	Saline clays and silts of playa lakes; usually lacking vegetation	AS3 AS4	D6	EV01 SL00
	D48a	Valley calcrete	-	-	DS00

CSIRO (1) regolith codes: R.R. Anand et al., 1966
CSIRO (2) regolith codes: M.A. Craig and R.R. Anand, 1966
ASRO regolith codes: G. Bain et al. 1991
























SYMBOLS

Regolith boundary	
Principal road	
Minor road	
Track	
Breakaway	
Watercourse, ephemeral	
Homestead	
Locality	
Significant mine	
Mining area, made ground	

GEOLOGICAL INTERPRETATION



Geological interpretation after Gee (1987), Adamides (1995), Pirajno and Occhipinti (1995). Subject to modification at close of current mapping program.

PROTEROZOIC		Calcareous silicified deposits; includes calcarenite
		Banded, minor silicified, rare dolomite
		Shale, chert; rare dolomite
		Carbonate rock; includes dolomite sill
		Ereshelby Group
		Carbonate rock, shale, sandstone
		Pedbury Group
		Iron-formation, sandstone, shale
		Bray Group
		Iron-formation, manganese-iron silicified, arkose
		Arkose, wacke, sandstone, shale
		Mafic lavas, sills, and breccias
ARCHAEOAN		Quartz-sericite schist, mylonite
		Glenargy sequence
		Wacke, sandstone, shale, carbonate rock
		Mafic rock, wacke, sandstone, shale, carbonate rock
		Mafic rocks; subvolcanic block, shale, sandstone, quartzite
		
		Gneiss
		Gneiss, quartzite and calc-silicate rocks
		Gneiss
		Gneiss
		Gneiss

SHEET INDEX

MOUNT EGERTON SG 50-3	COLLIER SG 50-4	BULLEN SG 51-1
ROBINSON RANGE SG 50-7	PEAK HILL SG 50-8	NABBERU SG 51-5
BELELE SG 50-11	GLENGARRY SG 50-12	WILUNA SG 51-9

REGOLITH MATERIALS SERIES

PEAK HILL

SHEET SG 50-8
PRELIMINARY EDITION 1995
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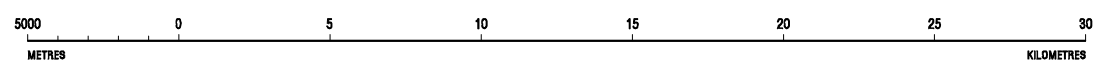
Topographic base supplied by Australian Surveying and Land Information Group, and roads modified from geological field survey (1994)

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DEPARTMENT OF MINERALS AND ENERGY
HON. GEORGE CASH J.P., M.L.C.
MINISTER FOR MINES
K.R. PERRY, DIRECTOR GENERAL

SCALE 1:250 000



TRANSVERSE MERCATOR PROJECTION

Grid lines indicate 20 000 metre interval of the Australian Map Grid Zone 50



PIETRO GUJ
DIRECTOR, GEOLOGICAL SURVEY

Compiled by: J.R. Gozzard, A.G. Subramanya, and A.J. Sanders 1995

Field observations by: A. Subramanya (GSWA), and S. King, G. Lawrence, and G. Tolland (Geochemex Australia) 1994

The recommended reference for this map is: GOZZARD, J.R., SUBRAMANYA, A.G., and SANDERS, A.J., 1995, Peak Hill, W.A. (prelim. ed.): Western Australia Geological Survey, 1:250 000 Regolith Materials Series