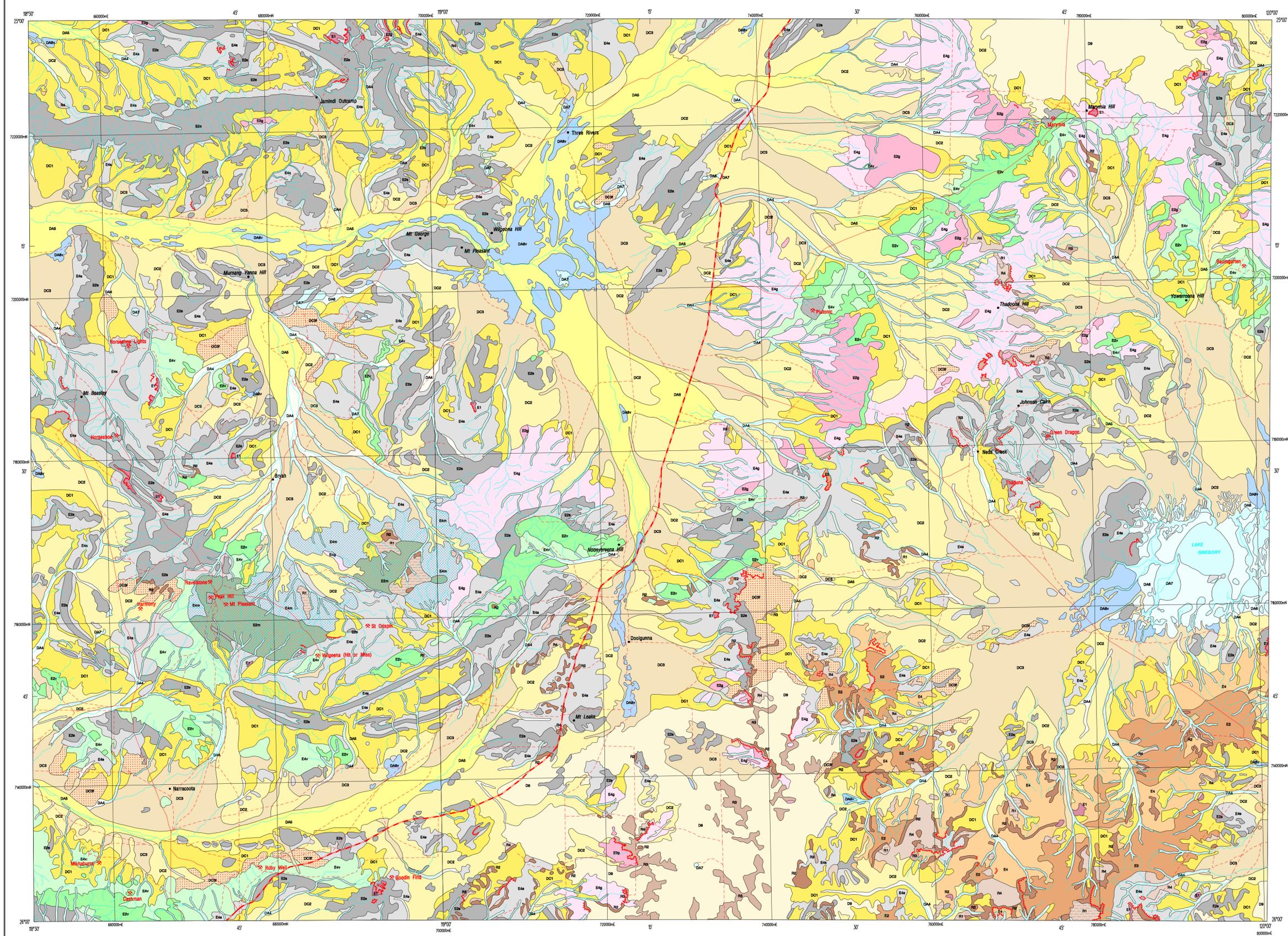


# PEAK HILL

GEOLOGICAL SURVEY OF WESTERN AUSTRALIA

1:250 000 REGOLITH MATERIALS SERIES

SHEET SG 50-8

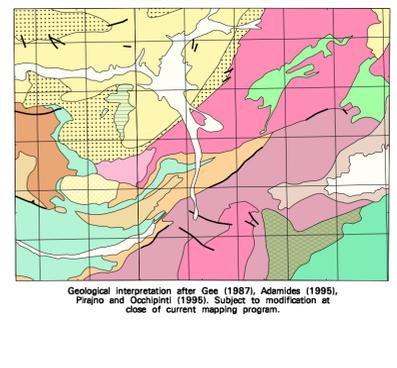


REGIME	DESCRIPTION	CSIRO (1)	CSIRO (2)	ASAO		
RELICT REGIME	R1	Ferrous pebbles and nodules	LT1	R2	ND40	
	R2	Iron-rich duricrust forming narrow land-surface	LT3	R1	DS42	
	R3	Strew (often weakly ferruginized); mainly overlies granitoids and sedimentary rocks	BR2	-	DS80	
	R4	Quartz-rich sands and silts overlying presumed or known R1-R3 material	ET1, LS3	LS4	D9	WR22
EROSIONAL REGIME	E1	Mottled zone and saprolite; generally poorly exposed	SP1-6	E3	WR11-14	
	E2	Outcrop of saprolite and bedrock, and areas of subsoil with locally derived sands and sandy clays; coarse (boundary) lag may be present adjacent to prominent ranges	BR3, SR2	SS1, SS8	ES-E3nc	WR12, WR21
	E2g	E2 derived from granitoid rock				
	E2v	E2 derived from volcano-sedimentary granitoids 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 limic fragments, and/or 'mudcap' in a sandy clay to sand-rich matrix associated with actively eroding outcrop	NLS, SS1	SS5, SS6	ES	WR12, WR21
	E4g	E4 derived from granitoid rock				
	E4v	E4 derived from volcano-sedimentary granitoids and other mafic rocks				
	E4s	E4 derived from sedimentary rocks				
E4m	E4 derived from schistose and gneissic metamorphic rocks					
DEPOSITIONAL REGIME	<b>DOMINANTLY COLLUVIAL</b>					
	DC1	Medium to coarse detritus, mainly of limic or ferruginized clastic (most >25 mm) in coluvium with a sand or sandy clay matrix	CS3, CS4	D1	D4	SC01, SC04
	DC2	Fine to medium detritus (most clasts 4-25 mm) mainly of ferruginized limic origin, or quartz in a sandy clay matrix	CS1, CS2	CS4, ML2	D2	SC05
	DC3	Sand and clay (with or without feldspar-dominated coluvium or sheetwash; merges into alluvial plain (DAS))	AS3, CS1-4	ML2	D3	SC06
	DC3M	Detritus, mainly non-limic ferruginous (most clasts <10 mm) possibly segregated in red sandy clay; includes boulder gravel	DM1	DM2	D4	SC06
	<b>DOMINANTLY ALLUVIAL</b>					
	DA4	Gravelly sands and sandy clays of active alluvial channels with mixtures of ferruginous and heavily altered silic fragments	AS1	AS2	D1	SA00
	DA5	Sand or clay-rich alluvium and coluvium on broad drainage floors, including pedon alluvial deposits and terraces; includes non-limic claypan, calcareous fragments	AS1	AS2	D5	SA00
	DA6	Gypsiferous soils and sediments adjacent to playa lakes; usually vegetated	AS3	AS4	D7	DS01, ER02
	DA7	Saline clays and silts of playa lakes; usually lacking vegetation	AS3	AS4	D8	EV01
DA8	Valley caliche	-	-	-	DS80	
<b>DOMINANTLY EOLIAN</b>						
D9	Sandbars, often in origin; may form dunes or thin sheets; overlies sheetwash, soil or 'bedrock'	ES1, ES2	ET7	D9	SD21, US00	

### SYMBOLS

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

### GEOLOGICAL INTERPRETATION

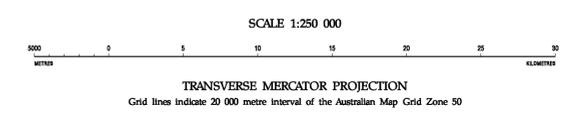


Geological interpretation after Gee (1987), Adamides (1995), Pirog and Cochupitt (1995). Subject to modification at close of current mapping program.



SHEET INDEX		
MOUNT EBERTON SG 50-3	COLLER SG 50-4	BULLEN SG 51-1
ROBINSON RANGE SG 50-7	PEAK HILL SG 50-6	NABERU SG 51-5
BELLE SG 50-11	GLENGARRY SG 50-12	WILUNA SG 51-9

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 Field observations by: A. Subramanya (GSWA), and S. King, G. Lawrence, and G. Tolland (Geochemex Australia) 1994  
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 SHEET SG 50-8  
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