## 6.4 Darraweit Gum Land System

The main part of this land system runs north-south in the centre of the study area. There is one small isolated area to the north of this and two to the east. The total area is 104.6 km<sup>2</sup>, representing 4% of the survey area.



The soils on the crests are usually shallow gradational soils and gravelly throughout; those on the slopes mostly duplex with a weakly structured topsoil overlying a wellstructured clay. There are pockets of a friable, mottled red duplex coil, possibly in positions which have escaped erosion.

The erosion hazard is high in this unit due to the hard setting surfaces and the dispersible subsoils.





**Drainage Pattern** 

COMPONENT	1	2	3
Proportion %	25	65	10
CLIMATE			
Rainfall (av.)	Annual: 630-730 mm (monthly range: October 75 mm – January 40 mm)		
Temperature (av.)	Annual: $13^{\circ}$ C (monthly range: January $20^{\circ}$ C – July $9^{\circ}$ C		
Seasonal growth limitations	Temperature: less than $10^{\circ}$ C June – August		
Coaccinal growth miniations	Precipitation: less than potential evapotranspiration November - March		
GEOLOGY			
Age rock	Silurian mudstone and sandstone		
Landscape	Gentle ridges		
Elevation (range) m	260 – 300		
Local relief (av.) m	30		
Drainage pattern	Dendritic		
Drainage density km/km <sup>2</sup>	43		
L and form	Crest	Slope	Drainage line
Slope (av.) % slope shape	3: Convex	19 <sup>.</sup> Straight	3: Concave
		io, ottaight	0,0010470
Structure		Open forest	
Dominant species	E goniocalyx	E radiata E obliqua E dives E	E camaldulensis E viminalis E
Dominant species	E. goniocalyx	rubida E microcarna Acacia	rubida A dealbata
		melanoxylon	
SOIL		melanonyren	
Parent Material	In situ weathered rock		
Description	Shallow stony gradational soils	Mottled vellow, brown sodic duplex	Mottled vellow, brown gradational soils
		soils. coarse structure	
Factual Key	Gn 2.94	Db, Dy	Gn 3.43, Gn 4.72
Surface Texture	Gravelly loam	Clay loam	Light clay
Permeability	High	Moderate	Low
Depth (av.) m	0.5	1.5	1.5
LAND USE	Grazing		
SOIL DETERIORATION HAZARD			
Critical land features	Slope gradient, hard setting surfaces,	Slope gradient, hard setting surfaces,	Hard setting surfaces, dispersibility,
	dispersibility	dispersibility	periodic high watertable
Processes	Movement of salts, overland flow,	Movement of salts, overland flow,	Overland flow, seasonal waterlogging
	subsurface flow	subsurface flow	,
Forms	Sheet and tunnel erosion	Sheet and tunnel erosion	Gully erosion, surface compaction,
			salting