

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2000 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Barry, Earl	Locality:	
Date Desc.:	07/06/93	Elevation:	250 metres
Map Ref.:	Sheet No. : 8255 GPS	Rainfall:	No Data
Northing/Long.:	7627518 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	466502 Datum: AGD66	Drainage:	Well drained

Geology

ExposureType:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	No Data

Land Form

Rel/Slope Class:	Undulating hills 90-300m 3-	Pattern Type:	Hills
Morph. Type:	Crest	Relief:	No Data
Elem. Type:	Hillcrest	Slope Category:	Gently inclined
Slope:	7 %	Aspect:	150 degrees

Surface Soil Condition (dry): Firm

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
No Available Class Lithic Leptic Rudosol Very gravelly Sandy Shallow		Principal Profile Form:	Uc4.13
ASC Confidence:		Great Soil Group:	Lithosol
No analytical data are available but confidence is fair.			

Site Disturbance: No effective disturbance other than grazing by hoofed animals

Vegetation: Low Strata - Hummock grass, 0.26-0.5m, Very sparse. *Species includes - Triodia mitchellii, Sporobolus species
Mid Strata - Shrub, 1.01-3m, Isolated plants. *Species includes - Petalostigma pubescens, Acacia catenulata
Tall Strata - Tree, 6.01-12m, Mid-dense. *Species includes - Acacia shirleyi, Eucalyptus erythrophloia

Surface Coarse Fragments: 50-90%, medium gravelly, 6-20mm, rounded, Quartz

Profile Morphology

A11	0 - 0.1 m	Very dark greyish brown (10YR3/2-Moist); ; Loamy sand; Massive grade of structure; Earthy fabric; Dry; Very weak consistence; 50-90%, coarse gravelly, 20-60mm, rounded, dispersed, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 4 (Raupach, 0.05); Clear change to -
A12	0.1 - 0.25 m	Dark brown (10YR3/3-Moist); ; Loamy sand; Single grain grade of structure; Dry; Loose consistence; 50-90%, coarse gravelly, 20-60mm, subangular, dispersed, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 5 (Raupach, 0.15); Clear change to -
A2	0.25 - 0.35 m	Brown (7.5YR4/4-Moist); ; Clayey sand; Single grain grade of structure; Dry; Loose consistence; 50-90%, coarse gravelly, 20-60mm, subangular, dispersed, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 5.5 (Raupach, 0.35);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC		ESP		
m		dS/m	Ca	Mg	K	Na Cmol (+)/kg	Acidity				%	
Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	CS	Size FS	Analysis Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
Depth	COLE	Gravimetric/Volumetric Water Contents						K sat		K unsat		
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar				
m					g/g -	m3/m3				mm/h	mm/h	

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Laboratory Analyses Completed for this profile