

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2210 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Bright, J (Mitch)	Locality:	
Date Desc.:	20/10/93	Elevation:	No Data
Map Ref.:	Sheet No. : 7959 GPS	Rainfall:	No Data
Northing/Long.:	7884801 AMG zone: 55	Runoff:	Rapid
Easting/Lat.:	297046 Datum: AGD66	Drainage:	Moderately well drained

Geology

Exposure Type:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Undisturbed soil core, No Data

Land Form

Rel/Slope Class:	Undulating rises 9-30m 3-10%	Pattern Type:	Low hills
Morph. Type:	Mid-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	Moderately inclined
Slope:	5 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Mottled Eutrophic Red Chromosol Medium Very gravelly Clay-loamy Clayey Moderately deep	Principal Profile Form:	Dy3.12
ASC Confidence:	Great Soil Group:	No suitable

No analytical data are available but confidence is fair.

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

Vegetation: Low Strata - Tussock grass, <0.25m, Very sparse. *Species includes - Unknown species, Unknown species, Unknown species
Mid Strata - Tree, 3.01-6m, Sparse. *Species includes - Eucalyptus persistens, Petalostigma pubescens, Erythroxylon australe
Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus persistens

Surface Coarse Fragments: 50-90%, coarse gravelly, 20-60mm, angular, Jasper

Profile Morphology

A1	0 - 0.3 m	Brown (10YR4/3-Moist); ; Fine sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Weak consistence; 20-50%, medium gravelly, 6-20mm, angular, Jasper, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.1); Clear change to -
B21	0.3 - 0.5 m	Yellowish red (5YR5/6-Moist); Mottles, 5YR46, 10-20% , 5-15mm, Prominent; Mottles, 10-20% ; Medium clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Strong grade of structure, 5-10 mm, Angular blocky; Smooth-ped fabric; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach, 0.4); Gradual change to -
BC	0.5 - 0.8 m	Yellowish brown (10YR5/6-Moist); Mottles, 10YR54, 10-20% , 5-15mm, Prominent; Mottles, 10-20% ; Medium clay; Moderate grade of structure, Subangular blocky; Smooth-ped fabric; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.6);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations		Exchangeable Acidity		CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na			
						Cmol (+)/kg			%

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size	Analysis
m	%	%	mg/kg	%	%	%	Mg/m3	GV CS FS	Silt Clay
								%	

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