

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1735 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Bright, J (Mitch)	Locality:	
Date Desc.:	22/07/93	Elevation:	No Data
Map Ref.:	Sheet No. : 8155 GPS	Rainfall:	No Data
Northing/Long.:	7635717 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	427951 Datum: AGD66	Drainage:	Imperfectly 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:	Gently undulating plains <9m 1-3%	Pattern Type:	Plain
Morph. Type:	Simple-slope	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Very gently sloped
Slope:	1 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Bleached Eutrophic Brown Kandosol Medium Non-gravelly Clay-loamy Clayey Deep	Principal Profile Form:	Gn4
ASC Confidence:	Great Soil Group:	No suitable group
Confidence level not specified		

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

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Sparse. *Species includes - Themeda triandra, Aristida species, Eragrostis

Mid Strata - Tree, 3.01-6m, Sparse. *Species includes - Eucalyptus melanophloia

Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - Eucalyptus melanophloia, Eucalyptus brownii

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.1 m	Very dark brown (10YR2/3-Moist); ; Fine sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Weak consistence; , Calcareous, , , , Gypseous, , ; Field pH 5 (Raupach, 0.05); Clear change to -
A12	0.1 - 0.35 m	Yellowish brown (10YR5/6-Moist); ; Sandy clay loam; Weak grade of structure; Rough-ped fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.15); Gradual change to -
A13	0.35 - 0.6 m	Yellowish brown (10YR5/8-Moist); ; Sandy clay loam (Heavy); Weak grade of structure, 10-20 mm, Polyhedral; Rough-ped fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.4); Gradual change to -
A2e	0.6 - 0.7 m	Brownish yellow (10YR6/6-Moist); ; Clay loam, sandy; Weak grade of structure, 10-20 mm, Polyhedral; Rough-ped fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 0.65); Clear change to -
B2	0.7 - 1 m	Yellowish brown (10YR5/6-Moist); ; Light clay; Moderate grade of structure, 10-20 mm, Polyhedral; Dry; , Calcareous, , , , Gypseous, , ; Field pH 7.5 (Raupach, 0.9);

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	Acidity			%
						Cmol (+)/kg				
Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Particle	Size	Analysis
m	%	C	P	P	N	K	Density	GV	CS	FS
		%	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