

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1665 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Bright, J (Mitch)	Locality:	
Date Desc.:	30/04/93	Elevation:	No Data
Map Ref.:	Sheet No. : 7959 GPS	Rainfall:	No Data
Northing/Long.:	7848036 AMG zone: 55	Runoff:	Very rapid
Easting/Lat.:	335490 Datum: AGD66	Drainage:	Moderately well drained

Geology

ExposureType:	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:	Rises
Morph. Type:	Upper-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	Gently inclined
Slope:	8 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Haplic Eutrophic Brown Kandosol Thin Gravelly Clay-loamy Clayey Moderately deep		Principal Profile Form:	Gn1.12
ASC Confidence:		Great Soil Group:	Yellow earth
Confidence level not specified			

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

Vegetation: Low Strata - Tussock grass, 0.51-1m, Sparse. *Species includes - Themeda triandra
Mid Strata - Tree, 1.01-3m, Sparse. *Species includes - Acacia species, Petalostigma pubescens
Tall Strata - Tree, 3.01-6m, Sparse. *Species includes - Eucalyptus shirleyi

Surface Coarse Fragments: 10-20%, medium gravelly, 6-20mm, subangular, Sandstone

Profile Morphology

A1	0 - 0.08 m	Dark brown (10YR3/3-Moist); ; Sandy clay loam (Heavy); Weak grade of structure, 2-5 mm, Polyhedral; Dry; Very few (0 - 2 %), , , , , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.05);
B21	0.08 - 0.5 m	Yellowish brown (10YR5/8-Moist); ; Light clay (Light); Weak grade of structure, 20-50 mm, Angular blocky; Weak grade of structure, 2-5 mm, Polyhedral; Dry; Common (10 - 20 %), Ferromanganiferous, Coarse (6 - 20 mm), Nodules; , Calcareous, , , , Gypseous, , , Field pH 5.5 (Raupach, 0.3);
B22	0.5 - 0.7 m	Yellowish brown (10YR5/8-Moist); ; Light clay (Light); Massive grade of structure; Dry; Very few (0 - 2 %), Ferromanganiferous, Coarse (6 - 20 mm), Nodules; , Calcareous, , , , Gypseous, , , Field pH 5.5 (Raupach, 0.6);
BC	0.7 - 0.9 m	; Common (10 - 20 %), , , , , Calcareous, , , , Gypseous, , , Field pH 5.5 (Raupach, 0.9);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable 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