

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 667 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M.G. Cannon	Locality:	
Date Desc.:	15/07/91	Elevation:	300 metres
Map Ref.:	Sheet No. : 8158 GPS	Rainfall:	No Data
Northing/Long.:	7796198 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	402638 Datum: AGD66	Drainage:	No Data

Geology

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

Land Form

Rel/Slope Class:	Gently undulating plains <9m 1-3%	Pattern Type:	Plain
Morph. Type:	Upper-slope	Relief:	No Data
Elem. Type:	Summit surface	Slope Category:	Level
Slope:	2 %	Aspect:	140 degrees

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Ferric Eutrophic Brown Kandosol Medium Non-gravelly Clay-loamy Clay-loamy Shallow	Principal Profile Form:	Um4.22
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, 1.01-3m, Sparse. *Species includes - Aristida species, TRIODIA SPECIES ?
Mid Strata - Tree, 3.01-6m, Sparse. *Species includes - Planchonia careya, Petalostigma pubescens,
Eucalyptus erythrophloia
Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - Acacia shirleyi, Eucalyptus erythrophloia

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.12 m	Dark brown (10YR3/3-Moist); ; Sandy clay loam (Light); Massive grade of structure; Dry; Weak consistence; ; Calcareous, ; ; Gypseous, ; ; Field pH 5.5 (Raupach, 0.05);
A2	0.12 - 0.26 m	Brown (7.5YR4/3-Moist); ; Sandy clay loam (Light); Massive grade of structure; Dry; Firm consistence; Common (10 - 20 %), Manganiferous, Medium (2 - 6 mm), Concretions; ; Calcareous, ; ; Gypseous, ; ;
B2c	0.26 - 0.4 m	Strong brown (7.5YR5/6-Moist); ; Sandy clay loam; Massive grade of structure; Dry; Weak consistence; Very many (50 - 100 %), Ferruginous, Coarse (6 - 20 mm), Concretions; ; Calcareous, ; ; Gypseous, ; ; Field pH 6.5 (Raupach, 0.4);

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
m		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar	
					g/g -	m3/m3			mm/h mm/h

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Laboratory Analyses Completed for this profile