

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 846 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M.G. Cannon	Locality:	
Date Desc.:	24/10/91	Elevation:	260 metres
Map Ref.:	Sheet No. : 8156 GPS	Rainfall:	No Data
Northing/Long.:	7691465 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	415547 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, No Data

Land Form

Rel/Slope Class:	Level plain <9m <1%	Pattern Type:	Plain
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Level
Slope:	1 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Haplic Mesotrophic Red Kandosol Medium Non-gravelly Loamy Clay-loamy Moderately deep		Principal Profile Form:	Gn2.22
ASC Confidence:	No analytical data are available but confidence is fair.	Great Soil Group:	Red earth

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

Vegetation: Low Strata - , , . *Species includes - Aristida species
Mid Strata - Tree, 3.01-6m, Sparse. *Species includes - Planchonia careya, Eucalyptus melanophloia
Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - Eucalyptus melanophloia, Eucalyptus papuana

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.05 m	Brown (10YR4/3-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.05); Clear change to -
A12	0.05 - 0.12 m	Dark brown (7.5YR3/3-Moist); ; Sandy loam (Heavy); Massive grade of structure; Earthy fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , , Gradual change to -
B1	0.12 - 0.3 m	Brown (7.5YR4/4-Moist); ; Sandy clay loam (Light); Massive grade of structure; Earthy fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , , Gradual change to -
B2	0.3 - 0.5 m	Yellowish red (5YR4/6-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Firm consistence; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach, 0.5);

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 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