

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1568 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	29/10/92	Elevation:	No Data
Map Ref.:	Sheet No. : 7956 GPS	Rainfall:	No Data
Northing/Long.:	7725820 AMG zone: 55	Runoff:	Rapid
Easting/Lat.:	322150 Datum: AGD66	Drainage:	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 plains <9m 3-10%	Pattern Type:	Hills
Morph. Type:	Simple-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	Very gently sloped
Slope:	3 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Haplic Petroferric Brown Kandosol Medium Non-gravelly Loamy Clay-loamy Shallow		Principal Profile Form:	Dy2.62
ASC Confidence:		Great Soil Group:	Lateritic podzolic soil
Confidence level not specified			

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

Vegetation: Low Strata - Hummock grass, 0.26-0.5m, Sparse. *Species includes - Triodia mitchellii, Aristida species, Heteropogon contortus
Mid Strata - Tree, 3.01-6m, Sparse. *Species includes - Eucalyptus species, Petalostigma pubescens, Acacia species

Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus crebra, Eucalyptis leichardtii, Eucalyptus peltata

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.07 m	Dark greyish brown (10YR4/2-Moist); ; Sandy loam; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.05); Clear change to -
A12	0.07 - 0.2 m	Yellowish brown (10YR5/4-Moist); ; Clayey sand; Massive grade of structure; Earthy fabric; Dry; Firm consistence; 2-10%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; Few (2 - 10 %), Ferruginous, Coarse (6 - 20 mm), Nodules; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.14); Gradual change to -
B2	0.2 - 0.45 m	Yellowish brown (10YR5/6-Moist); ; Clay loam, sandy; Massive grade of structure; Earthy fabric; Dry; Firm consistence; 10-20%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; Many (20 - 50 %), Ferruginous, Coarse (6 - 20 mm), Nodules; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.4);

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 Cmol (+)/kg	Acidity			%

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

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