

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1753 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Barry, Earl	Locality:	
Date Desc.:	13/05/93	Elevation:	No Data
Map Ref.:	Sheet No. : 8055 GPS	Rainfall:	No Data
Northing/Long.:	7649667 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	387391 Datum: AGD66	Drainage:	Imperfectly drained

Geology

ExposureType:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	No Data

Land Form

Rel/Slope Class:	Gently undulating plains <9m 1-3%	Pattern Type:	Plain
Morph. Type:	No Data	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
Eutrophic Mottled-Subnatric Grey Sodosol Medium Non-gravelly Sandy Clayey Deep		Principal Profile Form:	Dy3.63

ASC Confidence:		Great Soil Group:	N/A
No analytical data are available but confidence is fair.			

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

Vegetation: Low Strata - Hummock grass, 0.51-1m, Sparse. *Species includes - Triodia mitchellii, Aristida species
Mid Strata - Tree, 3.01-6m, Isolated plants. *Species includes - Eucalyptus brownii, Grevillea species
Tall Strata - Tree, 12.01-20m, Very sparse. *Species includes - Eucalyptus brownii, Eucalyptus melanophloia

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.12 m	Brown (7.5YR4/3-Moist); ; Loamy sand; Massive grade of structure; Dry; Weak consistence; , Calcareous, , , , Gypseous, , , ; Field pH 6 (Raupach, 0.05);
A2	0.12 - 0.55 m	Brown (7.5YR5/4-Moist); ; Sand; Massive grade of structure; Dry; Firm consistence; , Calcareous, , , , Gypseous, , , ; Field pH 6.5 (Raupach, 0.5);
B21	0.55 - 0.7 m	Brown (7.5YR5/3-Moist); Mottles, 7.5YR56, 10-20% , 0-5mm, Distinct; Mottles, 10-20% ; Sandy light medium clay; Massive grade of structure; Dry; Very strong consistence; , Calcareous, , , , Gypseous, , , ; Field pH 6.5 (Raupach, 0.6);
B22	0.7 - 0.8 m	Brown (7.5YR5/2-Moist); Mottles, 7.5YR64, 20-50% , 5-15mm, Faint; Mottles, 7.5YR56, 20-50% ; Sandy light medium clay (Light); Massive grade of structure; Dry; Very strong consistence; , Manganiferous, , , , Calcareous, , , , Gypseous, , , ; Field pH 8 (Raupach, 0.75);
B23	0.8 - 1 m	Pinkish grey (7.5YR6/2-Moist); Mottles, 7.5YR74, 10-20% , 5-15mm, Faint; Mottles, 10-20% ; Medium clay; Massive grade of structure; Moderately moist; Very strong consistence; , , Coarse (6 - 20 mm), Soft segregations; , Calcareous, , , , Gypseous, , , ; Field pH 9 (Raupach, 1);

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