

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1984 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	07/10/93	Elevation:	No Data
Map Ref.:	Sheet No. : 7858 GPS	Rainfall:	No Data
Northing/Long.:	7789328 AMG zone: 55	Runoff:	Rapid
Easting/Lat.:	273427 Datum: AGD66	Drainage:	Moderately 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 rises 9-30m 3-10%	Pattern Type:	Rises
Morph. Type:	Upper-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	Gently inclined
Slope:	5 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Mottled Eutrophic Brown Chromosol Thick Slightly gravelly Loamy Clayey Deep	Principal Profile Form:	Dy3.22
ASC Confidence:	Great Soil Group:	Yellow podzolic soil

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, 0.51-1m, Sparse. *Species includes - Themeda triandra, Chrysopogon fallax, Heteropogon contortus Mid Strata - Tree, 1.01-3m, Sparse. *Species includes - Eucalyptus crebra

Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - Eucalyptus crebra

Surface Coarse Fragments: 2-10%, medium gravelly, 6-20mm, subangular platy, Quartz

Profile Morphology

A11	0 - 0.1 m	Dark brown (10YR3/3-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , , ; Field pH 6 (Raupach, 0.05); Clear change to -
A12	0.1 - 0.2 m	Dark yellowish brown (10YR4/4-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , , ; Field pH 6.5 (Raupach, 0.15); Clear change to -
A13	0.2 - 0.3 m	Dark yellowish brown (10YR4/4-Moist); ; Sandy clay loam (Light); Massive grade of structure; Sandy (grains prominent) fabric; Dry; Firm consistence; 20-50%, coarse gravelly, 20-60mm, angular, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , ; Field pH 7 (Raupach, 0.25); Abrupt change to -
B21	0.3 - 0.6 m	Light olive brown (2.5Y5/4-Moist); Mottles, 10YR5/6, 10-20% , 5-15mm, Prominent; Mottles, 10-20% ; Light medium clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Dry; Strong consistence; , Calcareous, , , , Gypseous, , , ; Field pH 7 (Raupach, 0.5);
B22	0.6 - 1.1 m	Light olive brown (2.5Y5/4-Moist); , , Calcareous, , , , Gypseous, , , ; Field pH 8 (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 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