

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2148 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Barry, Earl	Locality:	
Date Desc.:	20/10/93	Elevation:	No Data
Map Ref.:	Sheet No. : 7959 GPS	Rainfall:	No Data
Northing/Long.:	7873720 AMG zone: 55	Runoff:	Very rapid
Easting/Lat.:	302217 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, Shale

Land Form

Rel/Slope Class:	Undulating rises 9-30m 3-10%	Pattern Type:	Rises
Morph. Type:	Lower-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
Eutrophic Subnatric Brown Sodosol		Principal Profile Form:	Dy2.43
ASC Confidence:		Great Soil Group:	Solodic 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, 0.26-0.5m, Sparse. *Species includes - Unknown species, Unknown species, Unknown

Mid Strata - Tree, 3.01-6m, Very sparse. *Species includes - Eucalyptus persistens

Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus persistens

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

Profile Morphology

A2e	0 - 0.2 m	Brown (7.5YR4/3-Moist); ; Fine sandy loam; Massive grade of structure; Earthy fabric; Dry; Firm consistence; ; Calcareous, , , ; Gypseous, , ; Field pH 6 (Raupach, 0.05); Clear change to -
B1	0.2 - 0.31 m	Brown (7.5YR5/3-Moist); ; Light medium clay; Moderate grade of structure, 5-10 mm, Subangular blocky; Smooth-ped fabric; Dry; Very strong consistence; 10-20%, coarse gravelly, 20-60mm, subangular, Ironstone, coarse fragments; ; Calcareous, , , ; Gypseous, , ; Field pH 6.5 (Raupach, 0.25); Clear change to -
B21	0.31 - 0.55 m	Yellowish brown (10YR5/4-Moist); ; Light medium clay; Moderate grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Dry; Very strong consistence; ; Calcareous, , , ; Gypseous, , ; Field pH 8 (Raupach, 0.4); Gradual change to -
C	0.55 - 0.65 m	; Dry; ; Calcareous, , , ; Gypseous, , ; Field pH 9 (Raupach, 0.6);

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