

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1817 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M.G. Cannon	Locality:	
Date Desc.:	26/05/93	Elevation:	No Data
Map Ref.:	Sheet No. : 8255 GPS	Rainfall:	No Data
Northing/Long.:	7651800 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	491004 Datum: AGD66	Drainage:	No Data

Geology

Exposure Type:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Existing vertical exposure, Sandstone

Land Form

Rel/Slope Class:	Gently undulating plains <9m 1-3%	Pattern Type:	Rises
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	No Data	Slope Category:	Gently inclined
Slope:	2 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Haplic Mesotrophic Red Chromosol Medium Gravelly Clay-loamy Clayey Moderately deep		Principal Profile Form:	Dr2.22
ASC Confidence:		Great Soil Group:	Red podzolic soil

Analytical data are incomplete but reasonable confidence.

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

Vegetation: Low Strata - Tussock grass, , . *Species includes - Cenchrus ciliaris
Mid Strata - Tree, 6.01-12m, Isolated plants. *Species includes - Eucalyptus erythrophloia
Tall Strata - Tree, 12.01-20m, Isolated plants. *Species includes - Eucalyptus crebra, Eucalyptus papuana

Surface Coarse Fragments: 2-10%, coarse gravelly, 20-60mm, angular platy, Sandstone

Profile Morphology

A11	0 - 0.08 m	Reddish brown (5YR4/3-Moist); ; Clay loam (Heavy); Massive grade of structure; Earthy fabric; Dry; Very firm consistence; 2-10%, coarse gravelly, 20-60mm, subrounded, dispersed, Sandstone, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.05);
A3	0.08 - 0.2 m	Reddish brown (5YR4/4-Moist); ; Clay loam (Heavy); Massive grade of structure; Earthy fabric; Dry; Very firm consistence; 2-10%, coarse gravelly, 20-60mm, subrounded, dispersed, Sandstone, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 0.1); Abrupt change to -
B2	0.2 - 0.5 m	Red (2.5YR4/8-Moist); ; Heavy clay; Moderate grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 0.45);
C	0.5 - 0.7 m	; , Calcareous, , , , Gypseous, , ;

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