

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1729 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Barry, Earl	Locality:	
Date Desc.:	25/06/93	Elevation:	No Data
Map Ref.:	Sheet No. : 7958 GPS	Rainfall:	No Data
Northing/Long.:	7801892 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	305624 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:	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:	2 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Haplic Eutrophic Red Ferrosol	Principal Profile Form:	Gn3.12
ASC Confidence:	Great Soil Group:	Euchrozem
Confidence level not specified		

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

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Sparse. *Species includes - None recorded
Mid Strata - Tree, 1.01-3m, Isolated plants. *Species includes - Eucalyptus crebra
Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - Eucalyptus crebra, Eucalyptus papuana,

Brachychiton

Surface Coarse Fragments: 2-10%, bouldery, 600mm-2m, subangular, Basalt

Profile Morphology

A11	0 - 0.05 m	Dark reddish brown (5YR3/4-Moist); ; Clay loam (Heavy); Weak grade of structure, 2-5 mm, Platy; Smooth-ped fabric; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , , ; Field pH 6.5 (Raupach, 0.02); Clear change to -
B1	0.05 - 0.32 m	Dark reddish brown (2.5YR3/4-Moist); ; Light clay; Massive grade of structure; Weak grade of structure, 2-5 mm, Polyhedral; Smooth-ped fabric; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , , ; Field pH 6.5 (Raupach, 0.2); Gradual change to -
B21	0.32 - 0.8 m	Dark red (2.5YR3/6-Moist); ; Light medium clay; Strong grade of structure, 5-10 mm, Polyhedral; Smooth-ped fabric; Dry; Very strong consistence; , Calcareous, , , , Gypseous, , , ; Field pH 7 (Raupach, 0.4); Field pH 7 (Raupach, 0.8);
B22	0.8 - 0.9 m	; Smooth-ped fabric; Dry; , 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	CS	Size FS	Analysis 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