

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1685 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M.G. Cannon	Locality:	
Date Desc.:	06/05/93	Elevation:	No Data
Map Ref.:	Sheet No. : 8159 GPS	Rainfall:	No Data
Northing/Long.:	7848220 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	397724 Datum: AGD66	Drainage:	No Data

Geology

ExposureType:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Undisturbed soil core, Schist

Land Form

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

Surface Soil Condition (dry): Self-mulching, Surface crust

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Haplic Calcic Red Chromosol Thin Non-gravelly Loamy Clayey Shallow		Principal Profile Form:	Dd
ASC Confidence:		Great Soil Group:	Prairie soil
Confidence level not specified			

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

Vegetation: Low Strata - , , . *Species includes - None recorded
Mid Strata - Tree, 1.01-3m, Mid-dense. *Species includes - Eucalyptus erythrophloia, Eucalyptus crebra
Tall Strata - Tree, 3.01-6m, Sparse. *Species includes - Eucalyptus erythrophloia, Eucalyptus crebra

Surface Coarse Fragments: 0-2%, medium gravelly, 6-20mm, rounded tabular, Substrate material

Profile Morphology

A11	0 - 0.03 m	Very dark grey (5YR3/1-Moist); ; Clay loam (Heavy); Strong grade of structure, 5-10 mm, Granular; Smooth-ped fabric; Dry; Weak consistence; , Calcareous, , , , Gypseous, , , ; Field pH 7 (Raupach, 0.02); Clear change to -
B2	0.03 - 0.3 m	Dark reddish brown (5YR3/3-Moist); ; Medium clay; Strong grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; Dry; Strong consistence; 2-10%, fine gravelly, 2-6mm, rounded tabular, dispersed, Schist, coarse fragments; , Calcareous, , , , Gypseous, , , ; Field pH 7 (Raupach, 0.2); Abrupt change to -
C1	0.3 - 0.4 m	; , Calcareous, , , , Gypseous, , , ; Field pH 7 (Raupach, 0.35); Diffuse change to -
	0.4 - 0.5 m	; Few (2 - 10 %), Calcareous, , Soft segregations; , Gypseous, , , ; Field pH 8.5 (Raupach, 0.5);

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