

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1686 **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.:	7847543 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	397486 Datum: AGD66	Drainage:	No Data

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:	No Data	Slope Category:	Gently inclined
Slope:	3 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting, Surface crust

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Haplic Eutrophic Red Chromosol Thin Non-gravelly Loamy Clayey Deep	Principal Profile Form:	Dr2.12
ASC Confidence:	Great Soil Group:	Non-calcic brown 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 - Bothriochloa species, Aristida species
Mid Strata - Tree, 3.01-6m, Sparse. *Species includes - Eucalyptus erythrophloia, Eucalyptus crebra, Acacia
species

Tall Strata - Tree, 6.01-12m, Isolated plants. *Species includes - Eucalyptus crebra, Eucalyptus papuana

Surface Coarse Fragments: 0-2%, fine gravelly, 2-6mm, rounded, Quartzite

Profile Morphology

A11	0 - 0.05 m	Reddish brown (5YR4/4-Moist); ; Clay loam; Massive grade of structure; Dry; Weak consistence; , Calcareous, , , , Gypseous, , , ; Field pH 7.5 (Raupach, 0.05); Clear change to -
B1	0.05 - 0.5 m	Yellowish red (5YR3/6-Moist); ; Sandy clay loam (Heavy); Moderate grade of structure, 20-50 mm, Angular blocky; Dry; Firm consistence; 10-20%, fine gravelly, 2-6mm, rounded, dispersed, Quartzite, coarse fragments; , Calcareous, , , , Gypseous, , , ; Field pH 7 (Raupach, 0.35); Diffuse change to -
B2	0.5 - 1 m	Red (2.5YR4/8-Moist); ; Medium clay; Strong grade of structure, 5-10 mm, Angular blocky; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , , ; Field pH 7 (Raupach, 1);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable Acidity		CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na				%
						Cmol (+)/kg				

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size	Analysis
m	%	%	mg/kg	%	%	%	Mg/m3	GV CS FS	Silt Clay
								%	

Depth	COLE	Gravimetric/Volumetric Water Contents						K sat	K unsat
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar	
m					g/g - m3/m3				mm/h mm/h

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Laboratory Analyses Completed for this profile