

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 718 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M.G. Cannon	Locality:	
Date Desc.:	13/08/91	Elevation:	280 metres
Map Ref.:	Sheet No. : 8158 GPS	Rainfall:	No Data
Northing/Long.:	7798046 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	427843 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:	Level plain <9m <1%	Pattern Type:	Rises
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Level
Slope:	1 %	Aspect:	0 degrees

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Haplic Eutrophic Red Chromosol Medium Non-gravelly Clay-loamy Clayey Moderately deep	Principal Profile Form:	Dr2.13
ASC Confidence:	Great Soil Group:	No suitable

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, 1.01-3m, Mid-dense. *Species includes - Heteropogon contortus, Bothriochloa ewartiana, Bothriochloa pertusa Mid Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus papuana, Eucalyptus crebra, Acacia bidwillii

Tall Strata - Tree, 12.01-20m, Isolated plants. *Species includes - Eucalyptus crebra, Eucalyptus erythrophloia

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.08 m	; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Very weak consistence; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.05);
A12	0.08 - 0.2 m	; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Weak consistence; , Calcareous, , , , Gypseous, , ,
A3	0.2 - 0.4 m	; Clay loam, sandy; Moderate grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.3);
B21	0.4 - 0.9 m	; Medium heavy clay; Strong grade of structure, 20-50 mm, Prismatic; Strong grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; Dry; Strong consistence; , Calcareous, , , , Gypseous, , , Field pH 8.5 (Raupach, 0.9);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

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

0 - 0.08	6.9A
0.4 - 0.9	7.2A

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

0 - 0.08
0.4 - 0.9

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

0 - 0.08
0.4 - 0.9

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Laboratory Analyses Completed for this profile

4A1 pH of 1:5 soil/water suspension