

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1682 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M.G. Cannon	Locality:	
Date Desc.:	05/05/93	Elevation:	No Data
Map Ref.:	Sheet No. : 8159 GPS	Rainfall:	No Data
Northing/Long.:	7860292 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	395523 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, Siltstone

Land Form

Rel/Slope Class:	Level plain <9m <1%	Pattern Type:	Plain
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	Plain	Slope Category:	No Data
Slope:	2 %	Aspect:	No Data

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

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Epicalcareous Self-Mulching Grey Vertosol Non-gravelly	Principal Profile Form:	Ug5.1
Medium fine Very fine Moderately deep	Great Soil Group:	Brown clay
ASC Confidence:		
Confidence level not specified		

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

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

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

Profile Morphology

A	0 - 0.03 m	Very dark greyish brown (2.5Y3/2-Moist); ; Light medium clay; Moderate grade of structure, 10-20 mm, Platy; Moderate grade of structure, 2-5 mm, Granular; Smooth-ped fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , , ; Field pH 7 (Raupach, 0.03); Clear change to -
B21	0.03 - 0.6 m	Very dark greyish brown (2.5Y3/2-Moist); ; Medium clay; Strong grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; Dry; Firm consistence; Few (2 - 10 %), Calcareous, Fine (0 - 2 mm), Nodules; , Gypseous, , , ; Field pH 7 (Raupach, 0.5); Diffuse change to -
B22	0.6 - 0.8 m	Dark greyish brown (2.5Y4/2-Moist); ; Medium clay; Strong grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; Dry; Firm consistence; Common (10 - 20 %), Calcareous, Fine (0 - 2 mm), Nodules; , Gypseous, , , ; Soil matrix is Moderately calcareous; Field pH 8 (Raupach, 0.7); Clear, Wavy change to -
C	0.8 - 1.2 m	; 90-100%, fine gravelly, 2-6mm, coarse fragments; , Calcareous, , , , Gypseous, , , ; Field pH 8.5 (Raupach, 1.2);

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