

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1096 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	07/05/92	Elevation:	300 metres
Map Ref.:	Sheet No. : 8058 GPS	Rainfall:	No Data
Northing/Long.:	7830632 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	368595 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:	Plain
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Level
Slope:	1 %	Aspect:	No Data

Surface Soil Condition (dry): Self-mulching

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Mottled Self-Mulching Black Vertosol Non-gravelly Very fine Very fine Deep	Principal Profile Form:	Ug5.16
ASC Confidence:	Great Soil Group:	Black earth

Analytical data are incomplete but reasonable confidence.

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

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Sparse. *Species includes - Themeda triandra, Dichanthium sericeum,
Bothriochloa ewartiana Mid Strata - Tree, 1.01-3m, Sparse. *Species includes - Eucalyptus papuana,
Eucalyptus crebra

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

Surface Coarse Fragments: 0-2%, coarse gravelly, 20-60mm, subrounded, Quartz

Profile Morphology

A1	0 - 0.1 m	Very dark grey (7.5R3/0-Moist); ; Medium heavy clay; Moderate grade of structure, 5-10 mm; Sandy (grains prominent) fabric; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.1); Clear change to -
B21	0.1 - 1.3 m	Very dark grey (7.5R3/0-Moist); ; Heavy clay; Moderate grade of structure; Smooth-ped fabric; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 1); Gradual change to -
B22	1.3 - 1.4 m	Yellowish brown (10YR5/4-Moist); Mottles, 7.5YR30, 20-50% , 15-30mm, Distinct; Mottles, 20-50% ; Medium heavy clay; Weak grade of structure; Smooth-ped fabric; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , ; Soil matrix is Slightly calcareous; Field pH 8.5 (Raupach, 1.35); Clear change to -
C	1.4 - 1.5 m	; Light medium clay; Moderate grade of structure, 2-5 mm, Polyhedral; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , ; Soil matrix is Highly calcareous; Field pH 8.5 (pH meter, 1.45);

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	%
0 - 0.1	6.5A							
0.1 - 1.3	8.1A							
1.3 - 1.4	8.4A							
1.4 -	8.4A							

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Laboratory Analyses Completed for this profile

4A1 pH of 1:5 soil/water suspension