

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 972 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Barry, Earl	Locality:	
Date Desc.:	04/09/92	Elevation:	300 metres
Map Ref.:	Sheet No. : 8057 GPS	Rainfall:	No Data
Northing/Long.:	7744160 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	383509 Datum: AGD66	Drainage:	Poorly drained

Geology

ExposureType:	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:	Alluvial plain
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Level
Slope:	1 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Bleached-Mottled Mesotrophic Brown Kandosol Medium Non-gravelly Clay-loamy Clayey Moderately deep	Principal Profile Form:	Gn2.94
ASC Confidence:	Great Soil Group:	Grey earth

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, 0.26-0.5m, Sparse. *Species includes - Dichanthium sericeum, Chrysopogon fallax, Cyperus
species Mid Strata - Tree, 3.01-6m, Sparse. *Species includes - Eucalyptus brownii, Acacia nervosa
Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus brownii, Eucalyptus papuana, Eucalyptus platyphylla

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.12 m	Very dark greyish brown (10YR3/2-Moist); ; Clay loam, sandy; Massive grade of structure; Earthy fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , , ; Field pH 5.5 (Raupach, 0.05); Clear change to -
A21j	0.12 - 0.3 m	Brown (10YR5/3-Moist); Mottles, 10YR46, 0-2% , 5-15mm, Distinct; Mottles, 0-2% ; Sandy light clay; Massive grade of structure; Earthy fabric; Dry; Weak consistence; , Calcareous, , , , Gypseous, , , ; Field pH 5 (Raupach, 0.2); Gradual change to -
A22e	0.3 - 0.6 m	Light brownish grey (10YR6/2-Moist); Mottles, 10YR56, 0-2% , 5-15mm, Distinct; Mottles, 0-2% ; Sandy light clay (Light); Massive grade of structure; Earthy fabric; Dry; Very weak consistence; , Calcareous, , , , Gypseous, , , ; Field pH 5.5 (Raupach, 0.5); Abrupt change to -
B21	0.6 - 0.8 m	Brown (10YR5/3-Moist); Mottles, 10YR58, 20-50% , 5-15mm, Distinct; Mottles, 20-50% ; Sandy light clay (Heavy); Weak grade of structure, 10-20 mm, Polyhedral; Earthy fabric; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , , ; Field pH 5.5 (Raupach, 0.8);

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 - 0.12	5.4A							
0.12 - 0.3	5.2A							
0.3 - 0.6	5.7A							
0.6 - 0.8	5.6A							

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Laboratory Analyses Completed for this profile

4A1 pH of 1:5 soil/water suspension