

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1299 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	23/07/92	Elevation:	360 metres
Map Ref.:	Sheet No. : 8059 GPS	Rainfall:	No Data
Northing/Long.:	7885472 AMG zone: 55	Runoff:	Rapid
Easting/Lat.:	355225 Datum: AGD66	Drainage:	Moderately well drained

Geology

ExposureType:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Undisturbed soil core, Metamorphic rock (unidentified)

Land Form

Rel/Slope Class:	Undulating rises 9-30m 3-10%	Pattern Type:	No Data
Morph. Type:	Simple-slope	Relief:	No Data
Elem. Type:	No Data	Slope Category:	Gently inclined
Slope:	6 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Haplic Eutrophic Grey Chromosol Medium Slightly gravelly		Principal Profile Form:	Dy3.11
Sandy Clayey Moderately deep			
ASC Confidence:		Great Soil Group:	No suitable group
Analytical data are incomplete but reasonable confidence.			

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

Vegetation: Low Strata - Hummock grass, 0.26-0.5m, Sparse. *Species includes - TRIODIA SPECIES ?, Themeda triandra, Heteropogon contortus Mid Strata - Tree, 1.01-3m, Sparse. *Species includes - Eucalyptus shirleyi

Tall Strata - Tree, 3.01-6m, Sparse. *Species includes - Eucalyptus shirleyi

Surface Coarse Fragments: 2-10%, coarse gravelly, 20-60mm, subrounded,

Profile Morphology

A11	0 - 0.06 m	Brown (10YR4/3-Moist); ; Clayey sand; Massive grade of structure; Earthy fabric; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.03); Abrupt change to -
A3	0.06 - 0.15 m	Brown (10YR4/3-Moist); ; Clay loam, sandy; Massive grade of structure; Earthy fabric; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.1); Abrupt change to -
B21	0.15 - 0.4 m	Brown (10YR5/3-Moist); Mottles, 10YR46, 2-10% , Faint; Mottles, 2-10% ; Medium clay; Moderate grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.3); Clear change to -
B22	0.4 - 0.5 m	Grey (10YR5/1-Moist); ; Medium clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; 10-20%, coarse gravelly, 20-60mm, angular, Substrate material, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.5);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0 - 0.06	6.2A		1.5B	0.65	0.59	0.06				
0.06 - 0.15	6A		3.1B	1.3	0.57	0.08				
0.15 - 0.4	6.5A		7.7B	3	0.63	0.26				

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Laboratory Analyses Completed for this profile

10B	Extractable sulfur(mg/kg) - Phosphate extractable sulfur
15A2_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_K	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_MG	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_NA	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15N1	Exchangeable sodium percentage (ESP)
4A1	pH of 1:5 soil/water suspension