

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1223 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	19/06/92	Elevation:	No Data
Map Ref.:	Sheet No. : 8058 GPS	Rainfall:	No Data
Northing/Long.:	7842442 AMG zone: 55	Runoff:	Very rapid
Easting/Lat.:	392069 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, No Data

Land Form

Rel/Slope Class:	Undulating rises 9-30m 3-10%	Pattern Type:	Rises
Morph. Type:	Mid-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	Gently inclined
Slope:	4 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Mottled Eutrophic Brown Chromosol Thick Gravelly Sandy Clayey Moderately deep	Principal Profile Form:	Dy3.22
ASC Confidence:	Great Soil Group:	Yellow podzolic soil

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, 0.51-1m, Sparse. *Species includes - Chrysopogon fallax, Digitaria species, Phynchelytrum repens Mid Strata - , , . *Species includes - None recorded

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

Surface Coarse Fragments: 10-20%, medium gravelly, 6-20mm, subangular, Sandstone

Profile Morphology

A11	0 - 0.12 m	Brown (10YR4/3-Moist); ; Clayey sand; Massive grade of structure; Sandy (grains prominent) fabric; Dry; 10-20%, fine gravelly, 2-6mm, subangular, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.05);
A12	0.12 - 0.3 m	Greyish brown (2.5Y5/3-Moist); ; Clayey sand; Massive grade of structure; Earthy fabric; Dry; 20-50%, fine gravelly, 2-6mm, subangular, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 0.2); Field pH 7.5 (Raupach, 0.3);
A2	0.3 - 0.35 m	Light brownish grey (2.5Y6/3-Moist); ; Sandy clay loam (Light); Massive grade of structure; Sandy (grains prominent) fabric; Dry; 50-90%, fine gravelly, 2-6mm, subangular, coarse fragments; , Calcareous, , ; , Gypseous, , ;
B2	0.35 - 0.5 m	Light olive brown (2.5Y5/4-Moist); Mottles, 7.5YR5/6, 10-20% , Distinct; Mottles, 10-20% ; Medium clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; , Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 0.45);

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			%

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

Depth	COLE	Gravimetric/Volumetric Water Contents						K sat	K unsat	
m		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar		
					g/g -	m3/m3			mm/h	mm/h

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Laboratory Analyses Completed for this profile