

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1227 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By: Rogers, Gary	Locality:
Date Desc.: 30/06/92	Elevation: 340 metres
Map Ref.: Sheet No. : 8059 GPS	Rainfall: No Data
Northing/Long.: 7861814 AMG zone: 55	Runoff: Moderately rapid
Easting/Lat.: 392678 Datum: AGD66	Drainage: Moderately well drained

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: Undulating rises 9-30m 3-10%	Pattern Type: Plain
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
Haplic Mesotrophic Red Dermosol Medium Non-gravelly	Principal Profile Form: Uf6.31
Clayey Clayey Very deep	
ASC Confidence:	Great Soil Group: Red clay

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 - Heteropogon contortus, Dichanthium species,

Bothriochloa species Mid Strata - , , . *Species includes - None recorded

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

Eucalyptus

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.08 m	Dark reddish brown (5YR3/2-Moist); ; Fine sandy light clay; Massive grade of structure; Earthy fabric; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.02); Clear change to -
A12	0.08 - 0.22 m	Dark reddish brown (5YR3/3-Moist); ; Light clay; Moderate grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.15); Gradual change to -
B21	0.22 - 0.6 m	Dark red (2.5YR3/6-Moist); ; Light medium clay; Moderate grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.4); Clear change to -
B22	0.6 - 1 m	Yellowish red (5YR4/6-Moist); ; Light medium clay; Moderate grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; , Calcareous, , , , Gypseous, , , Soil matrix is Slightly calcareous; Field pH 8 (Raupach, 0.8); Clear change to -
B23	1 - 1.2 m	Yellowish red (5YR4/6-Moist); Mottles, 7.5YR4/4, 20-50% , Prominent; Mottles, 20-50% ; Light medium clay; Moderate grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Few (2 - 10 %), Manganiferous, , Soft segregations; Common (10 - 20 %), Calcareous, Medium (2 -6 mm), Nodules; , Gypseous, , , Field pH 8.5 (Raupach, 1.1);

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	CS	Size FS	Analysis 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