

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2231 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By: Rogers, Gary	Locality:
Date Desc.: 20/10/93	Elevation: No Data
Map Ref.: Sheet No. : 7957 GPS	Rainfall: No Data
Northing/Long.: 7893227 AMG zone: 55	Runoff: Moderately rapid
Easting/Lat.: 292120 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: Gently undulating plains <9m 1-3%	Pattern Type: Plain
Morph. Type: Flat	Relief: No Data
Elem. Type: Plain	Slope Category: Very gently sloped
Slope: 2 %	Aspect: No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit: N/A
Manganic Eutrophic Red Dermosol Thin Non-gravelly Clay-loamy Clayey Deep	Principal Profile Form: Gn3.12
ASC Confidence:	Great Soil Group: Euchrozem

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 - Aristida species, Unknown species, Unknown

Mid Strata - Tree, 3.01-6m, Sparse. *Species includes - Eucalyptus crebra, Eucalyptus erythrophloia

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

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.08 m	Very dark brown (10YR2/2-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Firm consistence; 0-2%, fine gravelly, 2-6mm, rounded, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.04); Clear change to -
B1	0.08 - 0.2 m	Dark reddish brown (2.5YR2/4-Moist); ; Clay loam, sandy; Massive grade of structure; Earthy fabric; Dry; Firm consistence; 0-2%, fine gravelly, 2-6mm, rounded, Quartz, coarse fragments; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.15); Gradual change to -
B21	0.2 - 0.5 m	Dark red (2.5YR3/6-Moist); ; Light clay; Moderate grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Dry; Very firm consistence; 10-20%, medium gravelly, 6-20mm, subangular, Quartz, coarse fragments; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.4); Gradual change to -
B22	0.5 - 0.85 m	Dark red (2.5YR3/6-Moist); ; Light medium clay; Strong grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Dry; Very firm consistence; Many (20 - 50 %), Manganiferous, Coarse (6 - 20 mm), Nodules; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.65); Clear change to -
B23	0.85 - 1.1 m	Reddish brown (2.5YR4/4-Moist); ; Medium clay; Moderate grade of structure, 20-50 mm, Lenticular; Smooth-ped fabric; Dry; Strong consistence; 10-20%, medium gravelly, 6-20mm, subangular, coarse fragments; Few cutans, <10% of ped faces or walls coated; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 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	Acidity					%
						Cmol (+)/kg						

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

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

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Laboratory Analyses Completed for this profile