

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2091 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	24/06/93	Elevation:	No Data
Map Ref.:	Sheet No. : 7958 GPS	Rainfall:	No Data
Northing/Long.:	7809049 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	301962 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:	Gently undulating plains <9m 1-3%	Pattern Type:	Plain
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Very gently sloped
Slope:	1 %	Aspect:	No Data

Surface Soil Condition (dry): Firm, Surface crust

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Haplic Eutrophic Brown Ferrosol Thin Gravelly Clay-loamy Clayey Deep	Principal Profile Form:	Gn3.41
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, 0.51-1m, Mid-dense. *Species includes - Heteropogon contortus, Themeda triandra
Mid Strata - Tree, 3.01-6m, Isolated plants. *Species includes - Eucalyptus papuana
Tall Strata - Tree, 12.01-20m, Mid-dense. *Species includes - Eucalyptus crebra, Eucalyptus papuana

Surface Coarse Fragments: 10-20%, stony, 200-600mm, subrounded, Basalt

Profile Morphology

A1	0 - 0.07 m	Dark brown (7.5YR3/3-Moist); ; Clay loam; Weak grade of structure, 5-10 mm, Polyhedral; Smooth-ped fabric; Few (<1 per 100mm ²) Very fine (0.075-1mm) macropores, Dry; Firm consistence; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.03); Clear change to -
B21	0.07 - 0.32 m	Dark reddish brown (5YR3/4-Moist); ; Light clay; Weak grade of structure, 5-10 mm, Polyhedral; Smooth-ped fabric; Few (<1 per 100mm ²) Very fine (0.075-1mm) macropores, Dry; Very firm consistence; Few (2 - 10 %), Manganiferous, , Nodules; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.2); Gradual change to -
B22	0.32 - 0.75 m	Dark yellowish brown (10YR4/6-Moist); ; Light clay; Moderate grade of structure, 10-20 mm, Polyhedral; Smooth-ped fabric; Common (1-5 per 100mm ²) Very fine (0.075-1mm) macropores, Dry; Very firm consistence; Common (10 - 20 %), Manganiferous, , Nodules; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.5); Gradual change to -
B23	0.75 - 1 m	Strong brown (7.5YR4/6-Moist); ; Light clay; Strong grade of structure, 10-20 mm, Polyhedral; Smooth-ped fabric; Dry; Strong consistence; Common (10 - 20 %), Manganiferous, , Soft segregations; , Calcareous, , , , Gypseous, , , Field pH 6 (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 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