

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1978 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	06/10/93	Elevation:	No Data
Map Ref.:	Sheet No. : 7858 GPS	Rainfall:	No Data
Northing/Long.:	7797156 AMG zone: 55	Runoff:	Very slow
Easting/Lat.:	245797 Datum: AGD66	Drainage:	Imperfectly 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:	1 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Haplic Crusty Brown Vertosol Moderately gravelly Medium fine Very fine Deep		Principal Profile Form:	Uf6.31
ASC Confidence:		Great Soil Group:	No suitable group
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 - Themeda triandra, Heteropogon contortus
Mid Strata - , , . *Species includes - None recorded
Tall Strata - Tree, 6.01-12m, Mid-dense. *Species includes - Eucalyptus crebra

Surface Coarse Fragments: 0-2%, cobbly, 60-200mm, subrounded, Basalt

Profile Morphology

A1	0 - 0.05 m	Dark yellowish brown (10YR4/4-Moist); ; Light clay; Moderate grade of structure, 10-20 mm, Platy; Smooth-ped fabric; Dry; Very firm consistence; 0-2%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.02); Clear change to -
B21	0.05 - 0.3 m	Dark yellowish brown (10YR4/6-Moist); ; Light medium clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Moderate grade of structure, 5-10 mm, Polyhedral; Smooth-ped fabric; Dry; Strong consistence; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.25); Clear change to -
B22	0.3 - 0.7 m	Dark greyish brown (2.5Y4/3-Moist); ; Medium clay; Strong grade of structure, 20-50 mm, Angular blocky; Moderate grade of structure, 20-50 mm, Lenticular; Smooth-ped fabric; Dry; Strong consistence; Few cutans, <10% of ped faces or walls coated, distinct; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach, 0.6);
B23	0.7 - 1.1 m	Dark greyish brown (2.5Y4/3-Moist); ; Medium clay; , Calcareous, , , , Gypseous, , , Field pH 7.8 (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