

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1977 **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.:	7798820 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	254626 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:	No Data	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Very gently sloped
Slope:	3 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Bleached-Mottled Eutrophic Brown Chromosol Medium Non-gravelly Loamy Clayey Moderately deep	Principal Profile Form:	Dy1.21
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, Sparse. *Species includes - Chrysopogon fallax, Heteropogon contortus, Themeda triandra
Mid Strata - Tree, 6.01-12m, Very sparse. *Species includes - Eucalyptus crebra, Eucalyptus peltata, Hakea lorea

Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - Eucalyptus crebra, Eucalyptus citriodora, Eucalyptus

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.04 m	Very dark greyish brown (10YR3/2-Moist); ; Sandy loam (Heavy); Massive grade of structure; Earthy fabric; Dry; Firm consistence; 0-2%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.02);
A12	0.04 - 0.18 m	Dark brown (10YR3/3-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; Dry; Firm consistence; 0-2%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.1);
A2e	0.18 - 0.28 m	Greyish brown (10YR5/2-Moist); ; Coarse sandy loam; Massive grade of structure; Earthy fabric; Dry; Firm consistence; 0-2%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.2);
B2	0.28 - 0.55 m	Brown (10YR5/3-Moist); Mottles, 10YR5/6, 2-10% , 0-5mm, Distinct; Mottles, 2-10% ; Coarse sandy light clay; Weak grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Dry; Firm consistence; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Very few (0 - 2 %), Ferruginous, Medium (2 -6 mm), Nodules; , Calcareous, , , , Gypseous, , ; Field pH 5.5 (Raupach, 0.5);

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