

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1376 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	20/08/92	Elevation:	650 metres
Map Ref.:	Sheet No. : 7957 GPS	Rainfall:	No Data
Northing/Long.:	7763526 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	293979 Datum: AGD66	Drainage:	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): Hardsetting, Surface crust

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Basic Paralithic Bleached-Leptic Tenosol Thick Non-gravelly Sandy Sandy Moderately deep		Principal Profile Form:	Uc2.12
ASC Confidence:		Great Soil Group:	Siliceous sand
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, Heteropogon contortus, Eragrostis species
Mid Strata - Tree, 3.01-6m, Isolated clumps. *Species includes - Eucalyptus crebra

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

Surface Coarse Fragments: 0-2%, fine gravelly, 2-6mm, angular, Quartz

Profile Morphology

A11	0 - 0.08 m	Very dark greyish brown (10YR3/2-Moist); ; Loamy sand (Heavy); Massive grade of structure; Earthy fabric; Dry; ; Calcareous, , , ; Gypseous, , ; Field pH 6 (Raupach, 0.05); Clear change to -
A12	0.08 - 0.2 m	Brown (10YR4/3-Moist); ; Clayey sand (Heavy); Massive grade of structure; Earthy fabric; Dry; 0-2%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; ; Calcareous, , , ; Gypseous, , ; Field pH 6.5 (Raupach, 0.15); Clear change to -
A2e	0.2 - 0.55 m	Yellowish brown (10YR5/4-Moist); ; Clayey sand (Heavy); Massive grade of structure; Sandy (grains prominent) fabric; Dry; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Common (10 - 20 %), Ferromanganiferous, Coarse (6 - 20 mm), Nodules; ; Calcareous, , , ; Gypseous, , ; Field pH 6.5 (Raupach, 0.4);

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