

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2297 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M.G. Cannon	Locality:	
Date Desc.:	04/11/93	Elevation:	No Data
Map Ref.:	Sheet No. : 7959 GPS	Rainfall:	No Data
Northing/Long.:	7891248 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	332700 Datum: AGD66	Drainage:	No Data

Geology

Exposure Type:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Calcareous mudstone

Land Form

Rel/Slope Class:	Gently undulating plains <9m 1-3%	Pattern Type:	Rises
Morph. Type:	Mid-slope	Relief:	No Data
Elem. Type:	Tor	Slope Category:	Gently inclined
Slope:	4 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Available Class Inappropriate Petroclastic Leptic Tenosol		Principal Profile Form:	Uf1.43
ASC Confidence:		Great Soil Group:	Lithosol

No analytical data are available but confidence is fair.

Site Disturbance: No effective disturbance other than grazing by hoofed animals

Vegetation: Low Strata - Hummock grass, <0.25m, Sparse. *Species includes - Triodia mitchellii, Unknown species, Unknown species

Mid Strata - Tree, 1.01-3m, Sparse. *Species includes - Eremophila mitchellii

Tall Strata - Tree, 6.01-12m, Isolated plants. *Species includes - Eucalyptus brownii

Surface Coarse Fragments: 50-90%, medium gravelly, 6-20mm, subangular tabular, Detrital sedimentary rock (unidentified)

Profile Morphology

A11	0 - 0.05 m	Brown (7.5YR4/4-Moist); ; Light clay; Massive grade of structure; Earthy fabric; Dry; Weak consistence; 2-10%, medium gravelly, 6-20mm, subangular platy, dispersed, Detrital sedimentary rock (unidentified), coarse fragments; , Calcareous, , , , Gypseous, , , ; Field pH 5.8 (Raupach, 0.02);
A12	0.05 - 0.25 m	Brown (7.5YR4/4-Moist); ; Medium clay; Moderate grade of structure, 5-10 mm, Subangular blocky; Smooth-ped fabric; Dry; Firm consistence; 10-20%, medium gravelly, 6-20mm, subangular platy, dispersed, Detrital sedimentary rock (unidentified), coarse fragments; , Calcareous, , , , Gypseous, , , ; Field pH 7.5 (Raupach, 0.2);
C	0.25 - 0.6 m	; Light medium clay; Dry; 10-20%, fine gravelly, 2-6mm, subangular platy, dispersed, Detrital sedimentary rock (unidentified), coarse fragments; Many (20 - 50 %), Calcareous, Medium (2 - 6 mm), Soft segregations; , Gypseous, , , ; Soil matrix is Highly calcareous; Field pH 9.5 (Raupach, 0.6);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations		Exchangeable Acidity		CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na			%
						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