

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 736 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M.G. Cannon	Locality:	
Date Desc.:	16/08/91	Elevation:	330 metres
Map Ref.:	Sheet No. : 8158 GPS	Rainfall:	No Data
Northing/Long.:	7810693 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	424649 Datum: AGD66	Drainage:	No Data

Geology

Exposure Type:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Undisturbed soil core, Limestone

Land Form

Rel/Slope Class:	Gently undulating plains <9m 1-3%	Pattern Type:	Rises
Morph. Type:	Crest	Relief:	No Data
Elem. Type:	Hillcrest	Slope Category:	Very gently sloped
Slope:	3 %	Aspect:	No Data

Surface Soil Condition (dry): Soft

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Haplic Lithocalcic Brown Kandosol Thin Non-gravelly Loamy Loamy Shallow		Principal Profile Form:	Um5.21

ASC Confidence:		Great Soil Group:	N/A
No analytical data are available but confidence is fair.			

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

Vegetation: Low Strata - , , . *Species includes - None recorded
Mid Strata - , , . *Species includes - Lysiphillum carronii, Brachychiton australis
Tall Strata - Tree, 3.01-6m, Mid-dense. *Species includes - Brachychiton australis

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A	0 - 0.03 m	Dark brown (7.5YR3/2-Moist); ; Loam; Massive grade of structure; Earthy fabric; Dry; Very weak consistence; , Calcareous, , , , Gypseous, , ;
B	0.03 - 0.3 m	Dark reddish brown (5YR3/3-Moist); ; Loam; Weak grade of structure, 20-50 mm, Subangular blocky; Earthy fabric; Dry; Very weak consistence; , Calcareous, , , , Gypseous, , ; Field pH 9.5 (Raupach, 0.05); Field pH 9.5 (Raupach, 0.3);
B/C	0.3 - 0.5 m	Yellow (10YR7/6-Moist); ; Light clay; Massive grade of structure; Earthy fabric; Dry; Very weak consistence; 2-10%, medium gravelly, 6-20mm, subrounded, dispersed, Quartz, coarse fragments; Very many (50 - 100 %), Calcareous, Coarse (6 - 20 mm), Soft segregations; , Gypseous, , ; Soil matrix is Highly calcareous;
C	0.5 - 1 m	; Medium clay; Massive grade of structure; Earthy fabric; Dry; Very weak consistence; 2-10%, medium gravelly, 6-20mm, subrounded, dispersed, Quartz, coarse fragments; Very many (50 - 100 %), Calcareous, Coarse (6 - 20 mm), Soft segregations; , Gypseous, , ; Soil matrix is Highly calcareous; Field pH 9.5 (Raupach, 0.9);

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			%
0.03 - 0.3	7.8A								
0.3 - 0.5	8.2A								
0.5 - 1	8.8A								

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Laboratory Analyses Completed for this profile

4A1 pH of 1:5 soil/water suspension