

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 849 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M.G. Cannon	Locality:	
Date Desc.:	24/10/91	Elevation:	220 metres
Map Ref.:	Sheet No. : 8156 GPS	Rainfall:	No Data
Northing/Long.:	7687904 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	415992 Datum: AGD66	Drainage:	No Data

Geology

ExposureType:	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:	Plain
Morph. Type:	Mid-slope	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Gently inclined
Slope:	1 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting, Loose

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Haplic Supracalcic Red Dermosol Medium Non-gravelly Loamy Clay-loamy Shallow	Principal Profile Form:	Gn3.13
ASC Confidence:	Great Soil Group:	Euchrozem

No analytical data are available but confidence is fair.

Site Disturbance: Limited clearing, for example selective logging

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Sparse. *Species includes - Dichanthium species
Mid Strata - Tree, 1.01-3m, Sparse. *Species includes - Eucalyptus species, Lysiphillum carronii
Tall Strata - Tree, 12.01-20m, Isolated plants. *Species includes - Owenia acidula

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.01 m	Dark reddish brown (2.5YR3/3-Moist); ; Loam; Massive grade of structure; Dry; Very weak consistence; , Calcareous, , ; , Gypseous, , ;
A12	0.01 - 0.15 m	Dark reddish brown (2.5YR3/3-Moist); ; Loam; Weak grade of structure, 20-50 mm, Angular blocky; Dry; Weak consistence; , Calcareous, , ; , Gypseous, , ; Field pH 7.5 (Raupach, 0.05);
B21	0.15 - 0.3 m	Dark red (2.5YR3/6-Moist); ; Clay loam; Strong grade of structure, 5-10 mm, Angular blocky; Dry; Weak consistence; , Calcareous, , ; , Gypseous, , ; Field pH 7.5 (Raupach, 0.2);
B22k	0.3 - 0.45 m	; Dry; Very weak consistence; Many (20 - 50 %), Calcareous, Coarse (6 - 20 mm), Concretions; , Gypseous, , ;
C	0.45 - 0.6 m	; Dry; Very weak consistence; Very many (50 - 100 %), Calcareous, Coarse (6 - 20 mm), Concretions; , Gypseous, , ;

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	Acidity		%
						Cmol (+)/kg			

0.01 - 0.15	7.5A
0.15 - 0.3	7.4A

Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Particle		Size	Analysis	
		C	P	P	N	K	Density	GV	CS	FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		

0.01 - 0.15
0.15 - 0.3

[illegible]

0.01 - 0.15
0.15 - 0.3

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Laboratory Analyses Completed for this profile

4A1 pH of 1:5 soil/water suspension