

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1809 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M.G. Cannon	Locality:	
Date Desc.:	25/05/93	Elevation:	No Data
Map Ref.:	Sheet No. : 8255 GPS	Rainfall:	No Data
Northing/Long.:	7674476 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	477950 Datum: AGD66	Drainage:	No Data

Geology

ExposureType:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	No Data

Land Form

Rel/Slope Class:	Gently undulating rises 9-30m 1-3%	Pattern Type:	Rises
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	Fan	Slope Category:	Gently inclined
Slope:	4 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting, Cracking

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Humosequic No Available Class Calcic Calcarosol Slightly gravelly Clayey Clayey Deep	Principal Profile Form:	Ug5.3
ASC Confidence:	Great Soil Group:	Brown clay
Confidence level not specified		

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

Vegetation: Low Strata - , , . *Species includes - None recorded
Mid Strata - Tree, 3.01-6m, Mid-dense. *Species includes - Eremophila mitchellii, Acacia cambagei, Terminalia
Tall Strata - Tree, 6.01-12m, Mid-dense. *Species includes - Acacia cambagei

Surface Coarse Fragments: 10-20%, medium gravelly, 6-20mm, rounded, Quartz

Profile Morphology

A	0 - 0.08 m	Brown (7.5YR4/2-Moist); ; Light medium clay; Moderate grade of structure, 10-20 mm, Subangular blocky; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.05);
B21	0.08 - 0.4 m	Brown (7.5YR4/3-Moist); ; Medium clay; Moderate grade of structure, 5-10 mm, Subangular blocky; Common (10 - 20 %), Calcareous, Medium (2 -6 mm), Soft segregations; , Gypseous, , ; Soil matrix is Highly calcareous; Field pH 7 (Raupach, 0.3);
B22	0.4 - 1.2 m	Reddish brown (5YR4/3-Moist); ; Medium clay; Moderate grade of structure, 5-10 mm, Subangular blocky; Common (10 - 20 %), Calcareous, Medium (2 -6 mm), Soft segregations; , Gypseous, , ; Soil matrix is Highly calcareous; Field pH 9.5 (Raupach, 1.2);

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