

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2014 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Bright, J (Mitch)	Locality:	
Date Desc.:	09/06/93	Elevation:	No Data
Map Ref.:	Sheet No. : 8254 GPS	Rainfall:	No Data
Northing/Long.:	7619548 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	465679 Datum: AGD66	Drainage:	Moderately well drained

Geology

ExposureType:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Existing vertical exposure, No Data

Land Form

Rel/Slope Class:	Undulating plains <9m 3-10%	Pattern Type:	Plain
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Gently inclined
Slope:	4 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Haplic No Available Class Lithocalcic Calcarosol Non-gravelly Silty Thick Clayey Moderately deep	Principal Profile Form:	Gn2.81
ASC Confidence:	Great Soil Group:	Rendzina

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, 0.51-1m, Sparse. *Species includes - TRIODIA SPECIES ?, Cenchrus ciliaris
Mid Strata - , , . *Species includes - Melaleuca bracteata, Lysipillum carronii
Tall Strata - Tree, 12.01-20m, Very sparse. *Species includes - Bloodwood

Surface Coarse Fragments: 0-2%, coarse gravelly, 20-60mm, rounded, Limestone

Profile Morphology

A1	0 - 0.1 m	Very dark grey (10YR3/1-Moist); ; Silty clay loam; Moderate grade of structure, 10-20 mm, Polyhedral; Rough-ped fabric; Dry; Weak consistence; , Calcareous, , ; , Gypseous, , ; Field pH 1 (Raupach, 0.05); Gradual change to -
A3	0.1 - 0.35 m	Very dark grey (10YR3/1-Moist); ; Silty clay loam; Massive grade of structure; Earthy fabric; Dry; Very weak consistence; Very many (50 - 100 %), Calcareous, Coarse (6 - 20 mm), Nodules; , Gypseous, , ; Soil matrix is Highly calcareous; Field pH 1 (Raupach, 0.2); Gradual change to -
B21	0.35 - 0.9 m	White (10YR8/1-Moist); ; Light clay; Massive grade of structure; Earthy fabric; Dry; Very weak consistence; Very many (50 - 100 %), Calcareous, Coarse (6 - 20 mm), Nodules; , Gypseous, , ; Soil matrix is Highly calcareous; Field pH 1 (Raupach, 0.6);

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	Size CS	Analysis FS	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