

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2316 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M.G. Cannon	Locality:	
Date Desc.:	12/05/94	Elevation:	No Data
Map Ref.:	Sheet No. : 8060 GPS	Rainfall:	No Data
Northing/Long.:	7908772 AMG zone: 55	Runoff:	Rapid
Easting/Lat.:	358151 Datum: AGD66	Drainage:	Poorly drained

Geology

Exposure Type:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Undisturbed soil core, Metamorphic rock (unidentified)

Land Form

Rel/Slope Class:	Undulating rises 9-30m 3-10%	Pattern Type:	Rises
Morph. Type:	Crest	Relief:	No Data
Elem. Type:	Summit surface	Slope Category:	Level
Slope:	1 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
No Available Class Paralitric Leptic Rudosol Gravelly Clay-loamy Very shallow		Principal Profile Form:	Um1
ASC Confidence:	No analytical data are available but confidence is fair.	Great Soil Group:	Lithosol

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

Vegetation: Low Strata - Tussock grass, 0.51-1m, Sparse. *Species includes - Aristida species, Bothriochloa decipiens
Mid Strata - Tree, 1.01-3m, Sparse. *Species includes - Eucalyptus persistens, Bursaria incana
Tall Strata - Tree, 3.01-6m, Sparse. *Species includes - Eucalyptus persistens, Eucalyptus erythrophloia

Surface Coarse Fragments: 10-20%, medium gravelly, 6-20mm, angular tabular, Metamorphic rock (unidentified)

Profile Morphology

A	0 - 0.08 m	Brown (10YR4/3-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Very weak consistence; 10-20%, fine gravelly, 2-6mm, subangular tabular, dispersed, Metamorphic rock (unidentified), coarse fragments; , Calcareous, , , Gypseous, , ; Field pH 7 (Raupach, 0.05); Clear change to -
C1	0.08 - 0.6 m	Dark yellowish brown (10YR4/4-Moist); ; Dry; 50-90%, medium gravelly, 6-20mm, subangular tabular, dispersed, Metamorphic rock (unidentified), coarse fragments; , Calcareous, , , Gypseous, , ; Field pH 7 (Raupach, 0.3);
C2	0.6 - 1.2 m	Light olive brown (2.5Y5/6-Moist); ; Dry; Few (2 - 10 %), Calcareous, Fine (0 - 2 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