

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1668 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M.G. Cannon	Locality:	
Date Desc.:	04/05/93	Elevation:	No Data
Map Ref.:	Sheet No. : 8159 GPS	Rainfall:	No Data
Northing/Long.:	7859655 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	396347 Datum: AGD66	Drainage:	No Data

Geology

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

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Plain
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Gently inclined
Slope:	3 %	Aspect:	No Data

Surface Soil Condition (dry): Surface crust, Loose

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Epicalcareous Crusty Grey Vertosol Gravelly Medium fine Very fine Deep	Principal Profile Form:	Uf6
ASC Confidence:	Great Soil Group:	Grey clay

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 - Eucalyptus erythrophloia, Eucalyptus papuana
Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - Eucalyptus crebra, Eucalyptus brownii

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

Profile Morphology

A11	0 - 0.02 m	Brown (10YR4/3-Moist); ; Light clay; Moderate grade of structure, <2 mm, Platy; Smooth-ped fabric; Dry; 2-10%, fine gravelly, 2-6mm, rounded, dispersed, Quartz, coarse fragments; Very few (0 - 2 %), Manganiferous, , Nodules; Common (10 - 20 %), Calcareous, Fine (0 - 2 mm), Nodules; , Gypseous, , ; Soil matrix is Highly calcareous; Field pH 9.5 (Raupach, 0.02);
A12	0.02 - 0.35 m	Brown (10YR4/3-Moist); ; Medium clay; Strong grade of structure, 5-10 mm, Angular blocky; Strong grade of structure, 2-5 mm, Angular blocky; Smooth-ped fabric; Dry; 2-10%, fine gravelly, 2-6mm, rounded, dispersed, Quartz, coarse fragments; Few (2 - 10 %), Manganiferous, , Nodules; Common (10 - 20 %), Calcareous, Fine (0 - 2 mm), Nodules; , Gypseous, , ; Soil matrix is Highly calcareous; Field pH 9.5 (Raupach, 0.25);
B21	0.35 - 0.8 m	Dark grey (10YR4/1-Moist); ; Medium clay; Strong grade of structure, 50-100 mm, Lenticular; Strong grade of structure, 2-5 mm, Angular blocky; Smooth-ped fabric; Moderately moist; 2-10%, fine gravelly, 2-6mm, rounded, dispersed, Quartz, coarse fragments; Very many (50 - 100 %), , , ; , Calcareous, , , , Gypseous, , ; Field pH 9.5 (Raupach, 0.6);
B22	0.8 - 1.2 m	Dark greyish brown (10YR4/2-Moist); ; Medium clay; Strong grade of structure, 50-100 mm, Lenticular; Strong grade of structure, 2-5 mm, Angular blocky; Smooth-ped fabric; Moderately moist; 2-10%, fine gravelly, 2-6mm, rounded, dispersed, Quartz, coarse fragments; Very many (50 - 100 %), , , , , Calcareous, , , , Gypseous, , ; Soil matrix is Highly calcareous; Field pH 9.5 (Raupach, 1);
B23	1.2 - 1.4 m	Greyish brown (10YR5/2-Moist); Mottles, 10YR58, 10-20% , 5-15mm, Distinct; Mottles, 10-20% ; Medium clay; Strong grade of structure, 5-10 mm, Angular blocky; Strong grade of structure, 2-5 mm, Angular blocky; Smooth-ped fabric; Moderately moist; 2-10%, fine gravelly, 2-6mm, rounded, dispersed, Quartz, coarse fragments; Very many (50 - 100 %), , , , , Calcareous, , , , Gypseous, , ; Soil matrix is Highly calcareous; Field pH 9.5 (Raupach, 1.4);

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						

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	
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