

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1415 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	16/09/92	Elevation:	No Data
Map Ref.:	Sheet No. : 8057 GPS	Rainfall:	No Data
Northing/Long.:	7752698 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	354965 Datum: AGD66	Drainage:	Poorly drained

Geology

ExposureType:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Undisturbed soil core, No Data

Land Form

Rel/Slope Class:	Gently undulating plains <9m 1-3%	Pattern Type:	Plain
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Very gently sloped
Slope:	2 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Sodic Eutrophic Grey Dermosol		Principal Profile Form:	Uf6.33
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 - Tussock grass, <0.25m, Very sparse. *Species includes - None recorded
Mid Strata - Tree, 3.01-6m, Sparse. *Species includes - Petalostigma pubescens
Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - Eucalyptus melanophloia, Eucalyptus peltata,
Eucalyptus polycarpa

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.06 m	Dark greyish brown (10YR4/2-Moist); ; Clay loam, fine sandy; Weak grade of structure, 10-20 mm, Platy; Rough-ped fabric; Dry; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.05);
B21	0.06 - 0.22 m	Grey (10YR5/1-Moist); ; Light medium clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Dry; , Calcareous, , , , Gypseous, , ;
B22	0.22 - 0.6 m	Greyish brown (10YR5/2-Moist); ; Medium clay; Strong grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Dry; , Calcareous, , , , Gypseous, , ; Soil matrix is Moderately calcareous; Field pH 6 (Raupach, 0.25); Field pH 9 (Raupach, 0.4);
B23	0.6 - 1.1 m	Greyish brown (10YR5/2-Moist); ; Medium heavy clay; Moderate grade of structure, 50-100 mm, Lenticular; Moderate grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Dry; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Nodules; , Gypseous, , ; Soil matrix is Moderately calcareous; Field pH 9 (Raupach, 1);
B24	1.1 - 1.3 m	Brown (10YR5/3-Moist); ; Light medium clay; Weak grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Dry; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Concretions; , Gypseous, , ; Soil matrix is Moderately calcareous; Field pH 9 (Raupach, 1.2);

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