

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1590 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	21/04/93	Elevation:	No Data
Map Ref.:	Sheet No. : 8055 GPS	Rainfall:	No Data
Northing/Long.:	7639370 AMG zone: 55	Runoff:	Very slow
Easting/Lat.:	346327 Datum: AGD66	Drainage:	No Data

Geology

Exposure Type:	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:	Level plain <9m <1%	Pattern Type:	Plain
Morph. Type:	Open depression (vale)	Relief:	No Data
Elem. Type:	Drainage depression	Slope Category:	Level
Slope:	1 %	Aspect:	No Data

Surface Soil Condition (dry): Cracking, Firm

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Mottled Epipedal Grey Vertosol Non-gravelly Very fine Very fine Deep		Principal Profile Form:	Ug
ASC Confidence:	Confidence level not specified	Great Soil Group:	Grey clay

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

Vegetation: Low Strata - Forb, <0.25m, Isolated plants. *Species includes - None recorded
Mid Strata - Tree, 1.01-3m, Isolated plants. *Species includes - Eucalyptus coolibah
Tall Strata - Tree, 12.01-20m, Isolated plants. *Species includes - Eucalyptus coolibah

Surface Coarse Fragments:

Profile Morphology

A11	0 - 0.07 m	Greyish brown (10YR5/2-Moist); ; Light medium clay; Moderate grade of structure, 20-50 mm; Strong grade of structure, 2-5 mm, Granular; Smooth-ped fabric; Dry; Weak consistence; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules; Very few (0 - 2 %), Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.04); Clear change to -
A2	0.07 - 0.2 m	Grey (10YR6/1-Moist); ; Medium clay; Strong grade of structure, 10-20 mm, Angular blocky; Moderate grade of structure, 2-5 mm, Polyhedral; Smooth-ped fabric; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.15); Gradual change to -
B21	0.2 - 0.7 m	Grey (10YR5/1-Moist); ; Medium clay; Strong grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; Dry; Strong consistence; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 0.5); Diffuse change to -
B22	0.7 - 1.2 m	Grey (10YR5/1-Moist); Mottles, 10YR6/3, 10-20% , 5-15mm, Prominent; Mottles, 10-20% ; Medium heavy clay; Moderate grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Moderately moist; Firm consistence; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; , Calcareous, Coarse (6 - 20 mm), Nodules; , Gypseous, , ; Field pH 8.5 (Raupach, 1);

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