

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2199 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Barry, Earl	Locality:	
Date Desc.:	25/08/93	Elevation:	No Data
Map Ref.:	Sheet No. : 7859 GPS	Rainfall:	No Data
Northing/Long.:	7874824 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	275087 Datum: AGD66	Drainage:	Imperfectly drained

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:	Gently undulating rises 9-30m 1-3%	Pattern Type:	Rises
Morph. Type:	Mid-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	Very gently sloped
Slope:	3 %	Aspect:	No Data

Surface Soil Condition (dry): Self-mulching, Cracking

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Endocalcareous Self-Mulching Black Vertosol		Principal Profile Form:	Ug5.1
ASC Confidence:		Great Soil Group:	Black earth

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, 0.51-1m, Sparse. *Species includes - Themeda triandra, Bothriochloa ewartiana
Mid Strata - Tree, 1.01-3m, Sparse. *Species includes - Eucalyptus crebra
Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - Eucalyptus crebra

Surface Coarse Fragments: 2-10%, cobbly, 60-200mm, subangular, Graywacke

Profile Morphology

A11	0 - 0.05 m	Very dark greyish brown (10YR3/2-Moist); ; Medium heavy clay; Strong grade of structure, <2 mm, Granular; Smooth-ped fabric; Dry; Very weak consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.02); Abrupt change to -
A12	0.05 - 0.3 m	Very dark greyish brown (10YR3/2-Moist); ; Medium heavy clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Very strong consistence; , Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 0.2); Clear change to -
B21	0.3 - 0.7 m	Very dark grey (10YR3/1-Moist); ; Medium heavy clay; Strong grade of structure, 20-50 mm, Lenticular; Moderate grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Rigid consistence; , Calcareous, , ; , Gypseous, , ; Field pH 7.5 (Raupach, 0.5); Gradual change to -
B22	0.7 - 0.9 m	Dark greyish brown (10YR4/2-Moist); ; Heavy clay; Moderate grade of structure, 20-50 mm, Lenticular; Weak grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Rigid consistence; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Nodules; , Gypseous, , ; Field pH 8.5 (Raupach, 0.9);

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