

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2206 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Barry, Earl	Locality:	
Date Desc.:	27/08/93	Elevation:	No Data
Map Ref.:	Sheet No. : 7859 GPS	Rainfall:	No Data
Northing/Long.:	7851016 AMG zone: 55	Runoff:	Rapid
Easting/Lat.:	269699 Datum: AGD66	Drainage:	Well drained

Geology

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

Land Form

Rel/Slope Class:	Undulating rises 9-30m 3-10%	Pattern Type:	Rises
Morph. Type:	Upper-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	Gently inclined
Slope:	5 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Haplic Eutrophic Red Dermosol Medium Non-gravelly Clay-loamy Clayey Moderately deep	Principal Profile Form:	Gn3.13

ASC Confidence:	Great Soil Group:	N/A
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 - Bothriochloa decipiens, Heteropogon contortus

Mid Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus crebra, Eucalyptus papuana

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

Surface Coarse Fragments: 0-2%, coarse gravelly, 20-60mm, subangular, Quartz

Profile Morphology

A11	0 - 0.1 m	Dark reddish brown (5YR3/4-Moist); ; Clay loam; Massive grade of structure; Earthy fabric; Dry; Strong consistence; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.05); Clear change to -
B1	0.1 - 0.22 m	Reddish brown (5YR4/4-Moist); ; Light clay; Weak grade of structure, 2-5 mm, Polyhedral; Smooth-ped fabric; Dry; Very strong consistence; 0-2%, medium gravelly, 6-20mm, subangular platy, Shale, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.2); Clear change to -
B21	0.22 - 0.4 m	Yellowish red (5YR4/6-Moist); ; Medium clay; Moderate grade of structure, 10-20 mm, Polyhedral; Moderate grade of structure, 2-5 mm, Polyhedral; Smooth-ped fabric; Moderately moist; Very strong consistence; 0-2%, medium gravelly, 6-20mm, subangular platy, Shale, coarse fragments; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Laminae; , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach, 0.38); Diffuse change to -
BC	0.4 - 0.78 m	Yellowish red (5YR5/6-Moist); ; Light medium clay; Moderate grade of structure, 10-20 mm, Platy; Smooth-ped fabric; Dry; Very firm consistence; 2-10%, coarse gravelly, 20-60mm, subangular platy, Shale, coarse fragments; Few (2 - 10 %), Manganiferous, Fine (0 - 2 mm), Laminae; , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach, 0.7); Diffuse change to -
C	0.78 - 0.9 m	; Light clay; Dry; , Calcareous, , , , Gypseous, , , Field pH 8 (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