

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2185 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Barry, Earl	Locality:	
Date Desc.:	23/08/93	Elevation:	No Data
Map Ref.:	Sheet No. : 7859 GPS	Rainfall:	No Data
Northing/Long.:	7895843 AMG zone: 55	Runoff:	Rapid
Easting/Lat.:	286562 Datum: AGD66	Drainage:	Well drained

Geology

Exposure Type:	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:	4 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Haplic Eutrophic Red Dermosol Thin Moderately gravelly Clayey Clayey Shallow		Principal Profile Form:	Uf6.31
ASC Confidence:		Great Soil Group:	Red clay

No analytical data are available but confidence is fair.

Site Disturbance: Limited clearing, for example selective logging

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Sparse. *Species includes - None recorded
Mid Strata - Tree, 6.01-12m, Very sparse. *Species includes - Eucalyptus erythrophloia, Eucalyptus

drepanophylla

Tall Strata - Tree, 12.01-20m, Very sparse. *Species includes - Eucalyptus drepanophylla, Eucalyptus

erythrophloia

Surface Coarse Fragments: 20-50%, coarse gravelly, 20-60mm, angular, Quartz

Profile Morphology

A1	0 - 0.03 m	Dark reddish brown (5YR3/3-Moist); ; Light clay; Massive grade of structure; Earthy fabric; Dry; Very firm consistence; ; Calcareous, ; ; Gypseous, ; ; Field pH 6 (Raupach, 0.02); Clear change to -
B1	0.03 - 0.15 m	Dark reddish brown (5YR3/4-Moist); ; Medium clay; Weak grade of structure, 5-10 mm, Subangular blocky; Smooth-ped fabric; Dry; Strong consistence; ; Calcareous, ; ; Gypseous, ; ; Field pH 6.5 (Raupach, 0.1); Clear change to -
B21	0.15 - 0.37 m	Dark red (2.5YR3/6-Moist); ; Medium clay; Strong grade of structure, 5-10 mm, Polyhedral; Smooth-ped fabric; Dry; Very strong consistence; 0-2%, coarse gravelly, 20-60mm, angular, Shale, coarse fragments; ; Calcareous, ; ; Gypseous, ; ; Field pH 6.5 (Raupach, 0.25); Clear change to -
BC	0.37 - 0.5 m	Red (2.5YR4/6-Moist); ; Medium clay; Moderate grade of structure, 5-10 mm, Polyhedral; Smooth-ped fabric; Dry; Very firm consistence; 2-10%, medium gravelly, 6-20mm, angular, Shale, coarse fragments; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm); ; Calcareous, ; ; Gypseous, ; ; Field pH 7 (Raupach, 0.45); Clear change to -
C	0.5 - 0.7 m	; Clay loam; Weak grade of structure, 5-10 mm, Polyhedral; Earthy fabric; Dry; Weak consistence; ; Calcareous, ; ; Gypseous, ; ; Field pH 7 (Raupach, 0.7);

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