

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2101 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M.G. Cannon	Locality:	
Date Desc.:	04/10/93	Elevation:	No Data
Map Ref.:	Sheet No. : 7857 GPS	Rainfall:	No Data
Northing/Long.:	7752942 AMG zone: 55	Runoff:	Rapid
Easting/Lat.:	281444 Datum: AGD66	Drainage:	Well 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:	Undulating rises 9-30m 3-10%	Pattern Type:	Rises
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	Gently inclined
Slope:	10 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Haplic Eutrophic Red Chromosol Medium Slightly gravelly	Principal Profile Form:	Dr2.12
Clay-loamy Clay-loamy Moderately deep		
ASC Confidence:	Great Soil Group:	Non-calcic brown soil
Analytical data are incomplete but reasonable confidence.		

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

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Mid-dense. *Species includes - Bothriochloa ewartiana, Triodia mitchellii,
Themeda triandra Mid Strata - Tree, 3.01-6m, Isolated plants. *Species includes - Eucalyptus crebra, Grevillea parallela, Eucalyptus erythrophloia
Tall Strata - Tree, 6.01-12m, Isolated plants. *Species includes - Eucalyptus crebra, Brachychiton populneus

Surface Coarse Fragments: 2-10%, fine gravelly, 2-6mm, angular platy, Metamorphic rock (unidentified)

Profile Morphology

A	0 - 0.1 m	Brown (7.5YR4/4-Moist); ; Clay loam (Light); Massive grade of structure; Earthy fabric; Dry; Very weak consistence; 2-10%, fine gravelly, 2-6mm, angular platy, dispersed, Metamorphic rock (unidentified), coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.05);
B2	0.1 - 0.6 m	Dark red (2.5YR3/5-Moist); ; Light medium clay; Strong grade of structure, 5-10 mm, Angular blocky; Smooth-ped fabric; Dry; Firm consistence; 10-20%, fine gravelly, 2-6mm, angular platy, Metamorphic rock (unidentified), coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 0.4);

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	Acidity					%
						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