

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2301 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M.G. Cannon	Locality:	
Date Desc.:	09/05/94	Elevation:	680 metres
Map Ref.:	Sheet No. : 8060 GPS	Rainfall:	No Data
Northing/Long.:	7918248 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	372390 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:	Upper-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	Gently inclined
Slope:	3 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Haplic Eutrophic Red Ferrosol Medium Non-gravelly Clayey Clayey Deep	Principal Profile Form:	Uf6.31
ASC Confidence:	Great Soil Group:	Euchrozem

Analytical data are incomplete but reasonable confidence.

Site Disturbance: Limited clearing, for example selective logging

Vegetation: Low Strata - Tussock grass, 0.51-1m, Mid-dense. *Species includes - Heteropogon contortus, Imperata cylindrica,
Themeda triandra Mid Strata - Tree, 3.01-6m, Sparse. *Species includes - Eucalyptus tessellaris, Eucalyptus species, Acacia aulacocarpa
Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - Eucalyptus trachyphloia, Eucalyptus tereticornis, Eucalyptus tessellaris

Surface Coarse Fragments: 2-10%, medium gravelly, 6-20mm, rounded, Ironstone

Profile Morphology

A1	0 - 0.12 m	Dusky red (2.5YR3/2-Moist); ; Light clay; Strong grade of structure, 2-5 mm, Granular; Firm consistence; ; Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.05); Gradual change to -
B1	0.12 - 0.4 m	Dark reddish brown (2.5YR3/4-Moist); ; Light medium clay; Strong grade of structure, 5-10 mm, Angular blocky; Strong grade of structure, 2-5 mm, Angular blocky; Firm consistence; ; Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 0.3); Gradual change to -
B21	0.4 - 1 m	Dark red (2.5YR3/6-Moist); ; Medium clay; Strong grade of structure, 5-10 mm, Angular blocky; Strong grade of structure, 2-5 mm, Angular blocky; Very firm consistence; ; Calcareous, , ; , Gypseous, , ; Field pH 7.5 (Raupach, 0.6); Gradual change to -
B22	1 - 1.2 m	Red (2.5YR4/6-Moist); ; Medium clay; Strong grade of structure, 5-10 mm, Angular blocky; Strong grade of structure, 2-5 mm, Angular blocky; Strong consistence; ; Calcareous, , ; , Gypseous, , ; Field pH 7.8 (Raupach, 1.2);

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