

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2215 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Barry, Earl	Locality:	
Date Desc.:	21/10/93	Elevation:	No Data
Map Ref.:	Sheet No. : 7959 GPS	Rainfall:	No Data
Northing/Long.:	7884900 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	325013 Datum: AGD66	Drainage:	Imperfectly drained

Geology

ExposureType:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	No Data

Land Form

Rel/Slope Class:	Level plain <9m <1%	Pattern Type:	Plain
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Level
Slope:	1 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Bleached-Sodic Eutrophic Brown Dermosol Medium Non-gravelly Silty Clayey Moderately deep		Principal Profile Form:	Uf2
ASC Confidence:	No analytical data are available but confidence is fair.	Great Soil Group:	No suitable

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

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Very sparse. *Species includes - Unknown species, Unknown species, Unknown species
Mid Strata - , , . *Species includes - None recorded

Tall Strata - Tree, 12.01-20m, Isolated plants. *Species includes - Eucalyptus platyphylla, Eucalyptus persistens

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A2e	0 - 0.12 m	Dark greyish brown (10YR4/2-Moist); ; Silty light clay; Massive grade of structure; Earthy fabric; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.05); Clear change to -
B21	0.12 - 0.4 m	Dark brown (10YR3/3-Moist); ; Light medium clay; Moderate grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; Dry; Very strong consistence; , Calcareous, , , , Gypseous, , ; Field pH 5.5 (Raupach, 0.2); Gradual change to -
B22	0.4 - 0.6 m	Very dark greyish brown (10YR3/2-Moist); ; Medium clay; Weak grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Dry; Very strong consistence; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 0.5); Gradual change to -
B23	0.6 - 0.8 m	Yellowish brown (10YR5/4-Moist); Mottles, 7.5YR4/6, 10-20% , 5-15mm, Distinct; Mottles, 10-20% ; Light clay; Weak grade of structure, 5-10 mm, Subangular blocky; Rough-ped fabric; Dry; Strong consistence; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , , , Gypseous, , ; Field pH 9 (Raupach, 0.7);

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