

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2417 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	12/05/94	Elevation:	No Data
Map Ref.:	Sheet No. : 8060 GPS	Rainfall:	No Data
Northing/Long.:	7929998 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	373629 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:	Rolling low hills 30-90m 10-32%	Pattern Type:	Low hills
Morph. Type:	Ridge	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	Moderately inclined
Slope:	10 %	Aspect:	No Data

Surface Soil Condition (dry): Soft

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Humose-Mottled Mesotrophic Red Dermosol		Principal Profile Form:	Dr4.12
ASC Confidence:		Great Soil Group:	No suitable

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, 0.26-0.5m, Sparse. *Species includes - Themeda triandra, Panicum species, Imperata

Mid Strata - Tree, 6.01-12m, Sparse. *Species includes - Casuarina torulosa

Tall Strata - Tree, 12.01-20m, Mid-dense. *Species includes - Eucalyptus polycarpa, Lophostemon suaveolens,

Casuarina torulosa

Surface Coarse Fragments: 2-10%, fine gravelly, 2-6mm, subangular, Quartz

Profile Morphology

A1	0 - 0.25 m	Black (10YR2/1-Moist); ; Coarse sandy clay loam (Heavy); Strong grade of structure, 2-5 mm, Granular; Smooth-ped fabric; Moist; 10-20%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 5.5 (Raupach, 0.1); Clear change to -
B21	0.25 - 0.9 m	Yellowish red (5YR4/6-Moist); Mottles, 10R46, 0-2% , 5-15mm, Distinct; Mottles, 0-2% ; Light clay; Strong grade of structure, 2-5 mm, Granular; Smooth-ped fabric; Moist; 10-20%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 5.5 (Raupach, 0.6); Gradual change to -
B22	0.9 - 1 m	Yellowish brown (10YR5/8-Moist); ; Light clay; Moderate grade of structure, 2-5 mm, Granular; Smooth-ped fabric; Moist; 20-50%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 5.5 (Raupach, 0.95); Clear change to -
C	1 - 1.2 m	; Coarse sandy clay loam; Massive grade of structure; Sandy (grains prominent) fabric; Moist; 50-90%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 1.2);

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