

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 495 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Barry, Earl	Locality:	
Date Desc.:	20/11/91	Elevation:	No Data
Map Ref.:	Sheet No. : 8255 GPS	Rainfall:	No Data
Northing/Long.:	7677544 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	456640 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:	Gently undulating rises 9-30m 1-3%	Pattern Type:	Rises
Morph. Type:	Upper-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	Very gently sloped
Slope:	2 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Haplic Mesotrophic Red Kandosol Thin Non-gravelly Sandy Clay-loamy Moderately deep	Principal Profile Form:	Gn2.15
ASC Confidence:	Great Soil Group:	Red earth

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, 0.51-1m, Mid-dense. *Species includes - Heteropogon contortus, Aristida species, Bothriochloa species Mid Strata - Tree, 1.01-3m, Sparse. *Species includes - Acacia species

Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - Eucalyptus polycarpa, Eucalyptus papuana

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.08 m	Dark reddish brown (5YR3/3-Moist); ; Loamy sand; Massive grade of structure; Dry; Weak consistence; 2-10%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; , Calcareous, , , Gypseous, , ; Field pH 6.5 (Raupach, 0.05); Gradual change to -
A2	0.08 - 0.2 m	Reddish brown (5YR4/3-Moist); ; Sandy loam; Massive grade of structure; Dry; Weak consistence; 2-10%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; , Calcareous, , , Gypseous, , ; Gradual change to -
B2	0.2 - 0.65 m	Red (2.5YR4/6-Moist); ; Sandy clay loam (Light); Massive grade of structure; Dry; Strong consistence; 2-10%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; , Calcareous, , , Gypseous, , ; Field pH 7 (Raupach, 0.6);

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
m		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar	
					g/g - m3/m3				mm/h mm/h

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Laboratory Analyses Completed for this profile