

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 385 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M. DeCorte	Locality:	
Date Desc.:	14/08/91	Elevation:	300 metres
Map Ref.:	Sheet No. : 8257 GPS	Rainfall:	No Data
Northing/Long.:	7741687 AMG zone: 55	Runoff:	No runoff
Easting/Lat.:	490204 Datum: AGD66	Drainage:	Rapidly 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:	Gently undulating plains <9m 1-3%	Pattern Type:	Plain
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Gently inclined
Slope:	%	Aspect:	No Data

Surface Soil Condition (dry): Loose

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Haplic Eutrophic Red Kandosol Medium Non-gravelly Sandy Clayey Deep	Principal Profile Form:	Uc5.21
ASC Confidence:	Great Soil Group:	Earthy sand

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, <0.25m, Very sparse. *Species includes - Aristida species
Mid Strata - Tree, 3.01-6m, Very sparse. *Species includes - Planchonia careya, Petalostigma pubescens
Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - Eucalyptus polycarpa, Eucalyptus coolibah

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.1 m	Very dark greyish brown (10YR3/2-Moist); ; Coarse sand; Massive grade of structure; Earthy fabric; Dry; Weak consistence; 0-2%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , ; Field pH 7 (Raupach, 0.05); Clear change to -
A3	0.1 - 0.25 m	Brown (7.5YR4/3-Moist); ; Loamy coarse sand; Massive grade of structure; Earthy fabric; Dry; Weak consistence; 0-2%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , ; Diffuse change to -
B21	0.25 - 0.7 m	Yellowish red (5YR4/6-Moist); ; Loamy coarse sand; Massive grade of structure; Earthy fabric; Dry; Weak consistence; 0-2%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , ; Field pH 7.5 (Raupach, 0.6); Clear change to -
2B2	0.7 - 0.9 m	Dark red (2.5YR3/6-Moist); ; Light clay; Moderate grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; Dry; Very firm consistence; 10-20%, medium gravelly, 6-20mm, angular, Sandstone, coarse fragments; , Calcareous, , , , Gypseous, , , ; Abrupt change to -
2B/C	0.9 - 1.1 m	Red (2.5YR4/6-Moist); ; Light clay; Massive grade of structure; Earthy fabric; Dry; Very strong consistence; 0-2%, fine gravelly, 2-6mm, angular, Sandstone, coarse fragments; , Calcareous, , , , Gypseous, , , ; Field pH 8 (Raupach, 1);

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	
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