

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 319 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M. DeCorte	Locality:	
Date Desc.:	16/07/91	Elevation:	230 metres
Map Ref.:	Sheet No. : 8255 GPS	Rainfall:	No Data
Northing/Long.:	7673650 AMG zone: 55	Runoff:	No runoff
Easting/Lat.:	461556 Datum: AGD66	Drainage:	Moderately 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 plains <9m 1-3%	Pattern Type:	Plain
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Level
Slope:	1 %	Aspect:	90 degrees

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Haplic Eutrophic Yellow Kandosol Medium Non-gravelly	Principal Profile Form:	Gn2.31
Sandy Silty Moderately deep	Great Soil Group:	Yellow earth
ASC Confidence: 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 - Aristida species, Eragrostis species
Mid Strata - , , . *Species includes - None recorded
Tall Strata - Tree, 6.01-12m, Closed or dense. *Species includes - Eucalyptus brownii

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.02 m	Brown (10YR4/3-Moist); ; Loamy fine sand; Massive grade of structure; Earthy fabric; Many (>5 per 100mm ²) Medium (2-5mm) macropores, Dry; Very firm consistence; , Calcareous, , , , Gypseous, , ; Few, very fine (0-1mm) roots; Abrupt, Smooth change to -
A12	0.02 - 0.1 m	Dark brown (10YR3/3-Moist); ; Silty loam; Massive grade of structure; Earthy fabric; Many (>5 per 100mm ²) Medium (2-5mm) macropores, Dry; Very firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.05); Common, fine (1-2mm) roots; Gradual, Smooth
A2c	0.1 - 0.35 m	Yellowish brown (10YR5/6-Moist); ; Silty clay loam; Massive grade of structure; Earthy fabric; Many (>5 per 100mm ²) Medium (2-5mm) macropores, Dry; Strong consistence; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Nodules; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.3); Common, fine (1-2mm) roots; Clear, Smooth change to -
B21	0.35 - 0.7 m	Brownish yellow (10YR6/6-Moist); Mottles, 5YR58, 2-10% , 0-5mm, Prominent; Mottles, 2-10% ; Silty light clay (Light); Weak grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Many (>5 per 100mm ²) Medium (2-5mm) macropores, Dry; Strong consistence; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.7); Few, very fine (0-1mm) roots;

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	Avail.	Total	Total	Total	Bulk	Particle		Size	Analysis	
m	%	C	P	P	N	K	Density	GV	CS	FS	Silt	Clay
		%	mg/kg	%	%	%	Mg/m3			%		
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