

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1901 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	24/05/93	Elevation:	No Data
Map Ref.:	Sheet No. : 8255 GPS	Rainfall:	No Data
Northing/Long.:	7670425 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	464826 Datum: AGD66	Drainage:	Imperfectly drained

Geology

Exposure Type:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Undisturbed soil core, 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:	Very gently sloped
Slope:	2 %	Aspect:	No Data

Surface Soil Condition (dry): Firm

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Mottled Supracalcic Red Kandosol Medium Non-gravelly Clay-loamy Clayey Moderately deep	Principal Profile Form:	Gn2.19
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 - Hummock grass, <0.25m, Very sparse. *Species includes - Triodia mitchellii, Sporobolus species
Mid Strata - Tree, 3.01-6m, Very sparse. *Species includes - Eremophila mitchellii, Eucalyptus cambageana
Tall Strata - Tree, 12.01-20m, Very sparse. *Species includes - Eucalyptus cambageana

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.08 m	Dark brown (7.5YR3/3-Moist); ; Clay loam, sandy; Massive grade of structure; Earthy fabric; Dry; Firm consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.05); Abrupt change to -
A2j	0.08 - 0.2 m	Dark brown (7.5YR3/4-Moist); ; Sandy light medium clay; Massive grade of structure; Earthy fabric; Dry; Very firm consistence; 0-2%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 7.5 (Raupach, 0.15); Abrupt change to -
B21	0.2 - 0.4 m	Dark brown (7.5YR3/4-Moist); ; Sandy medium clay; Massive grade of structure; Earthy fabric; Dry; Very firm consistence; , Calcareous, , ; , Gypseous, , ; Soil matrix is Moderately calcareous; Field pH 9 (Raupach, 0.3); Clear change to -
B22	0.4 - 0.6 m	Reddish brown (5YR4/4-Moist); Mottles, 5YR58, 2-10% , 0-5mm, Prominent; Mottles, 2-10% ; Sandy medium heavy clay; Weak grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Dry; Strong consistence; 10-20%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Common (10 - 20 %), Calcareous, Medium (2 -6 mm), Soft segregations; , Gypseous, , ; Soil matrix is Highly calcareous; Field pH 9.5 (Raupach, 0.6);

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
		%	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