

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 617 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M.G. Cannon	Locality:	
Date Desc.:	26/05/91	Elevation:	No Data
Map Ref.:	Sheet No. : 8258-4 GPS	Rainfall:	No Data
Northing/Long.:	7836150 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	451552 Datum: AGD66	Drainage:	No Data

Geology

ExposureType:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Existing vertical exposure, Diorite

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Hills
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	Hillcrest	Slope Category:	No Data
Slope:	%	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Haplic Eutrophic Red Dermosol Medium Non-gravelly Loamy Clayey Moderately deep	Principal Profile Form:	Dr2.12
ASC Confidence:	Great Soil Group:	Non-calcic brown soil
No analytical data are available but confidence is fair.		

Site Disturbance: No effective disturbance other than grazing by hoofed animals

Vegetation:

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.1 m	Dark brown (7.5YR3/2-Moist); ; Loam; Moderate grade of structure, 5-10 mm, Subangular blocky; Earthy fabric; Moderately moist; Very weak consistence; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.05); Common, fine (1-2mm) roots; Clear change to -
A3	0.1 - 0.26 m	Dark reddish brown (2.5YR3/4-Moist); ; Clay loam; Weak grade of structure, 20-50 mm, Subangular blocky; Earthy fabric; Dry; Weak consistence; 10-20%, medium gravelly, 6-20mm, subangular, dispersed, Substrate material, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.15); Few, fine (1-2mm) roots; Clear change to -
B21	0.26 - 0.7 m	Red (10R4/6-Moist); ; Light medium clay; Strong grade of structure, 50-100 mm, Prismatic; Strong grade of structure, 2-5 mm, Angular blocky; Smooth-ped fabric; Dry; Firm consistence; 10-20%, coarse gravelly, 20-60mm, subangular, dispersed, Substrate material, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.3); Few, fine (1-2mm) roots; Clear change to -
B22	0.7 - 0.85 m	Red (2.5YR4/8-Moist); ; Medium heavy clay; , Angular blocky; Smooth-ped fabric; Dry; Strong consistence; 10-20%, coarse gravelly, 20-60mm, subangular, dispersed, Substrate material, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 6.8 (Raupach, 0.85); Clear change to -
C	0.85 - 1.1 m	; , Angular blocky; , Calcareous, , , , Gypseous, , ;

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