

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 614 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M.G. Cannon	Locality:	
Date Desc.:	25/05/91	Elevation:	No Data
Map Ref.:	Sheet No. : 8159-2 GPS	Rainfall:	No Data
Northing/Long.:	7845098 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	442429 Datum: AGD66	Drainage:	No Data

Geology

Exposure Type:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Undisturbed soil core, Diorite

Land Form

Rel/Slope Class:	Gently undulating rises 9-30m 1-3%	Pattern Type:	Hills
Morph. Type:	Upper-slope	Relief:	No Data
Elem. Type:	Hillcrest	Slope Category:	Gently inclined
Slope:	3 %	Aspect:	115 degrees

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Haplic Eutrophic Red Chromosol Medium Non-gravelly Clay-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: Extensive clearing, for example poisoning, ringbarking

Vegetation: Low Strata - Tussock grass, 0.51-1m, Mid-dense. *Species includes - Heteropogon contortus, Themeda triandra
Mid Strata - , , . *Species includes - None recorded
Tall Strata - Tree, 3.01-6m, Mid-dense. *Species includes - Eucalyptus crebra, Eucalyptus papuana

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.1 m	Very dark brown (10YR2/2-Moist); ; Loam; Moderate grade of structure, 2-5 mm, Subangular blocky; Strong grade of structure, 2-5 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Very weak consistence; , Calcareous, , , Gypseous, , ; Field pH 6 (Raupach, 0.05); Many, fine (1-2mm) roots; Gradual change to -
A3	0.1 - 0.25 m	Very dark greyish brown (10YR3/2-Moist); ; Clay loam; Moderate grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Weak consistence; , Calcareous, , , Gypseous, , ; Few, fine (1-2mm) roots; Clear change to -
B21	0.25 - 0.5 m	Yellowish red (5YR4/6-Moist); ; Medium clay; Moderate grade of structure, 50-100 mm, Prismatic; Moderate grade of structure, 2-5 mm, Angular blocky; Smooth-ped fabric; Moderately moist; Firm consistence; , Calcareous, , , Gypseous, , ; Field pH 7 (Raupach, 0.3); Few, fine
B22	0.5 - 0.9 m	Red (2.5YR4/8-Moist); ; Silty medium clay; Massive grade of structure; Smooth-ped fabric; Moderately moist; Very firm consistence; , Calcareous, , , Gypseous, , ; Field pH 8 (Raupach, 0.9);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable	Cations	Exchangeable	CEC	ECEC	ESP
m		dS/m		Mg	K	Na	Acidity		%
						Cmol (+)/kg			
0 - 0.1	6.2A								
0.1 - 0.25	6.1A								
0.25 - 0.5	6.8A								
0.5 - 0.9	7.2A								

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Laboratory Analyses Completed for this profile

4A1 pH of 1:5 soil/water suspension