

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 694 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M.G. Cannon	Locality:	
Date Desc.:	31/07/91	Elevation:	300 metres
Map Ref.:	Sheet No. : 8158 GPS	Rainfall:	No Data
Northing/Long.:	7819048 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	438877 Datum: AGD66	Drainage:	Moderately well drained

Geology

ExposureType:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Undisturbed soil core, Siltstone

Land Form

Rel/Slope Class:	Undulating low hills 30-90m 3-10%	Pattern Type:	Hills
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Hillcrest	Slope Category:	Level
Slope:	1 %	Aspect:	0 degrees

Surface Soil Condition (dry): Cracking

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Endocalcareous Crusty Black Vertosol Non-gravelly Medium fine Very fine Moderately deep	Principal Profile Form:	Ug5.12
ASC Confidence:	Great Soil Group:	Black earth
No analytical data are available but confidence is fair.		

Site Disturbance: Complete clearing. Pasture, native or improved, but never cultivated

Vegetation: Low Strata - Tussock grass, 0.51-1m, Closed or dense. *Species includes - Bothriochloa species, Bothriochloa pertusa

Mid Strata - , , . *Species includes - None recorded

Tall Strata - Tree, 3.01-6m, Isolated plants. *Species includes - Eucalyptus crebra, Eucalyptus papuana

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.11 m	Very dark greyish brown (10YR3/2-Moist); ; Moderate grade of structure, 20-50 mm, Angular blocky; Moderate grade of structure, 5-10 mm, Angular blocky; Smooth-ped fabric; Dry; Very strong consistence; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.05); Few, fine (1-2mm) roots; Gradual change to -
B21	0.11 - 0.4 m	Very dark greyish brown (10YR3/2-Moist); ; Moderate grade of structure, 50-100 mm, Angular blocky; Moderate grade of structure, 5-10 mm, Angular blocky; Smooth-ped fabric; Dry; Strong consistence; Few cutans, <10% of ped faces or walls coated, distinct; , Calcareous, , , , Gypseous, , ; Field pH 8.5 (Raupach, 0.3); Few, fine (1-2mm) roots; Gradual change to -
B22k	0.4 - 0.9 m	Very dark greyish brown (10YR3/2-Moist); ; Strong grade of structure, 50-100 mm, Lenticular; Strong grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Moderately moist; Strong consistence; Common cutans, 10-50% of ped faces or walls coated, distinct; Few (2 - 10 %), Calcareous, Fine (0 - 2 mm), Soft segregations; , Gypseous, , ; Field pH 8.5 (Raupach, 0.6); Field pH 9 (Raupach, 0.9); Few, very fine (0-1mm) roots; Clear change to -
C	0.9 - 1.15 m	Dusky red (2.5YR3/2-Moist); ; Smooth-ped fabric; Dry; Very strong consistence; , Calcareous, , , , Gypseous, , ;

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			
0 - 0.11	7.2A								
0.11 - 0.4	8.5A								
0.4 - 0.9	8.8A								
0.9 - 1.15	8.6A								

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Laboratory Analyses Completed for this profile

4A1 pH of 1:5 soil/water suspension