

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 668 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M.G. Cannon	Locality:	
Date Desc.:	15/07/91	Elevation:	300 metres
Map Ref.:	Sheet No. : 8158 GPS	Rainfall:	No Data
Northing/Long.:	7795399 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	402298 Datum: AGD66	Drainage:	Well drained

Geology

ExposureType:	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:	Plateau
Morph. Type:	Upper-slope	Relief:	No Data
Elem. Type:	Summit surface	Slope Category:	Very gently sloped
Slope:	2 %	Aspect:	140 degrees

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Haplic Eutrophic Red Kandosol Thick Non-gravelly Clay-loamy Clay-loamy Deep		Principal Profile Form:	Gn2.11
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 - Tussock grass, 0.26-0.5m, Sparse. *Species includes - Aristida species, Eragrostis species
Mid Strata - Tree, 3.01-6m, Mid-dense. *Species includes - Acacia catenulata
Tall Strata - Tree, 6.01-12m, Mid-dense. *Species includes - Acacia catenulata

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.12 m	Dark red (2.5YR3/6-Moist); ; Sandy clay loam (Light); Massive grade of structure; Earthy fabric; Dry; Weak consistence; 2-10%, medium gravelly, 6-20mm, rounded, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 5.5 (Raupach, 0.05); Common, fine (1-2mm) roots;
A12	0.12 - 0.35 m	Dark red (2.5YR3/6-Moist); ; Sandy clay loam (Light); Massive grade of structure; Earthy fabric; Dry; Weak consistence; 2-10%, medium gravelly, 6-20mm, rounded, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 5.5 (Raupach, 0.3); Common, fine (1-2mm) roots;
A3	0.35 - 0.8 m	Red (2.5YR4/8-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Firm consistence; 10-20%, medium gravelly, 6-20mm, rounded, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 5.5 (Raupach, 0.6); Few
B2	0.8 - 1.2 m	Dark red (2.5YR3/6-Moist); ; Clay loam, sandy; Massive grade of structure; Earthy fabric; Dry; Very strong consistence; 10-20%, medium gravelly, 6-20mm, rounded, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 5.5 (Raupach, 0.9); Few

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC		Exchangeable Cations	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Cmol (+)/kg			%
0 - 0.12	5.1A								
0.12 - 0.35	4.6A								
0.35 - 0.8	4.7A								
0.8 - 1.2	4.6A								

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Laboratory Analyses Completed for this profile

4A1 pH of 1:5 soil/water suspension