

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 502 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M.G. Cannon	Locality:	
Date Desc.:	08/04/91	Elevation:	300 metres
Map Ref.:	Sheet No. : 8258 GPS	Rainfall:	No Data
Northing/Long.:	7803182 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	455013 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, Granodiorite

Land Form

Rel/Slope Class:	Undulating rises 9-30m 3-10%	Pattern Type:	Rises
Morph. Type:	Crest	Relief:	No Data
Elem. Type:	Hillcrest	Slope Category:	Gently inclined
Slope:	1 %	Aspect:	150 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:	Dr2.22
ASC Confidence:		Great Soil Group:	Non-calcic brown soil
All necessary analytical data are available.			

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

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Mid-dense. *Species includes - Bothriochloa pertusa, Bothriochloa ewartiana
Mid Strata - Tree, 3.01-6m, Isolated plants. *Species includes - Eucalyptus erythrophloia, Eucalyptus crebra
Tall Strata - Tree, 6.01-12m, Very sparse. *Species includes - Eucalyptus crebra, Eucalyptus erythrophloia, Eucalyptus papuana

Surface Coarse Fragments: 0-2%, cobbly, 60-200mm, subrounded, Granite

Profile Morphology

A1	0 - 0.05 m	Dark reddish brown (5YR3/3-Moist); ; Sandy clay loam (Light); Weak grade of structure, 2-5 mm, Subangular blocky; Moderately moist; Firm consistence; , Calcareous, , , Gypseous, , ; Field pH 6 (Raupach, 0.05); Gradual, Smooth change to -
A3	0.05 - 0.18 m	Reddish brown (5YR4/3-Moist); ; Clay loam, sandy; Moderate grade of structure, 5-10 mm, Subangular blocky; Moderately moist; Firm consistence; , Calcareous, , , Gypseous, , ; Clear, Smooth change to -
B2	0.18 - 0.48 m	Red (2.5YR4/6-Moist); ; Medium clay; Moderate grade of structure, 20-50 mm, Prismatic; Strong grade of structure, 5-10 mm, Angular blocky; Moderately moist; Very firm consistence; , Calcareous, , , Gypseous, , ; Field pH 6 (Raupach, 0.3); Gradual, Smooth change to -
BC	0.48 - 0.68 m	Red (2.5YR5/7-Moist); ; Light medium clay; Moderate grade of structure, 50-100 mm, Subangular blocky; Moderately moist; Strong consistence; , Calcareous, , , Gypseous, , ; Field pH 7.5 (Raupach, 0.6); Clear, Smooth change to -
C	0.68 - 1.1 m	Reddish brown (2.5YR4/4-Moist); ; Coarse sandy loam; Massive grade of structure; Moderately moist; Very weak consistence; , Calcareous, , , Gypseous, , ; Field pH 8.5 (Raupach, 1.1);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

[illegible][illegible][illegible]

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Laboratory Analyses Completed for this profile

15F1_CA	Exchangeable bases by 0.01M silver-thiourea (AgTU)+, no pretreatment for soluble salts
15F1_K	Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts
15F1_MG	Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts
15F1_NA	Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts
15F3	CEC by 0.01M silver-thiourea (AgTU)+
15N1	Exchangeable sodium percentage (ESP)
4A1	pH of 1:5 soil/water suspension