

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 231 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M. DeCorte	Locality:	
Date Desc.:	05/06/91	Elevation:	180 metres
Map Ref.:	Sheet No. : 8257 GPS	Rainfall:	No Data
Northing/Long.:	7762736 AMG zone: 55	Runoff:	No runoff
Easting/Lat.:	478995 Datum: AGD66	Drainage:	Well drained

Geology

Exposure Type:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	No Data

Land Form

Rel/Slope Class:	Level plain <9m <1%	Pattern Type:	Plain
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Level
Slope:	1 %	Aspect:	270 degrees

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Basic Regolithic Orthic Tenosol Thin Non-gravelly Clay-loamy Clay-loamy Very deep		Principal Profile Form:	Um6.32
ASC Confidence:		Great Soil Group:	Brown earth

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, Sparse. *Species includes - Bothriochloa pertusa
Mid Strata - , , . *Species includes - None recorded
Tall Strata - Tree, 3.01-6m, Very sparse. *Species includes - Eucalyptus erythrophloia, Eucalyptus papuana, Eucalyptus crebra

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.03 m	Brown (10YR4/3-Moist); ; Fine sandy clay loam (Light); Moderate grade of structure, 2-5 mm, Subangular blocky; Smooth-ped fabric; Many (>5 per 100mm2) Fine (1-2mm) macropores, Dry; , Calcareous, , , , Gypseous, , , ; Few, fine (1-2mm) roots; Abrupt, Smooth change to -
A12	0.03 - 0.09 m	Dark brown (10YR3/3-Moist); ; Fine sandy clay loam (Light); Moderate grade of structure, 2-5 mm, Subangular blocky; Smooth-ped fabric; Many (>5 per 100mm2) Medium (2-5mm) macropores, Moderately moist; , Calcareous, , , , Gypseous, , , ; Field pH 6 (Raupach, 0.05); Common, fine (1-2mm) roots; Diffuse, Smooth change to -
B1	0.09 - 0.3 m	Brown (10YR4/3-Moist); ; Fine sandy clay loam; Moderate grade of structure, 5-10 mm, Subangular blocky; Smooth-ped fabric; Many (>5 per 100mm2) Medium (2-5mm) macropores, Moderately moist; , Calcareous, , , , Gypseous, , , ; Field pH 6.5 (Raupach, 0.3); Common, fine (1-2mm) roots; Diffuse, Smooth change to -
B21	0.3 - 1 m	Dark yellowish brown (10YR3/4-Moist); ; Fine sandy clay loam; Moderate grade of structure, 5-10 mm, Subangular blocky; Smooth-ped fabric; Many (>5 per 100mm2) Medium (2-5mm) macropores, Moderately moist; , Calcareous, , , , Gypseous, , , ; Field pH 6.5 (Raupach, 0.6); Few, fine (1-2mm) roots; Diffuse, Smooth change to -
B22	1 - 1.8 m	Dark yellowish brown (10YR4/4-Moist); ; Fine sandy clay loam; Moderate grade of structure, 5-10 mm, Subangular blocky; Smooth-ped fabric; Many (>5 per 100mm2) Medium (2-5mm) macropores, Moderately moist; , Calcareous, , , , Gypseous, , , ; Field pH 7.5 (Raupach, 1.5); Few, fine (1-2mm) roots;

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