

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 407 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M. DeCorte	Locality:	
Date Desc.:	03/09/91	Elevation:	240 metres
Map Ref.:	Sheet No. : 8256 GPS	Rainfall:	No Data
Northing/Long.:	7732893 AMG zone: 55	Runoff:	No runoff
Easting/Lat.:	449137 Datum: AGD66	Drainage:	Moderately 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:	Gently undulating plains <9m 1-3%	Pattern Type:	Plain
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Very gently sloped
Slope:	1 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Haplic Eutrophic Brown Chromosol Thick Non-gravelly Silty Clayey Moderately deep	Principal Profile Form:	Db1.33
ASC Confidence:	Great Soil Group:	No suitable

Analytical data are incomplete but reasonable confidence.

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

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Sparse. *Species includes - Eragrostis species, Aristida species
Mid Strata - Tree, 3.01-6m, Very sparse. *Species includes - Eucalyptus crebra, Eucalyptus brownii
Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus brownii, Eucalyptus crebra

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.08 m	Dark greyish brown (10YR4/2-Moist); ; Silty loam; Moderate grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , , ; Field pH 6 (Raupach, 0.05); Clear change to -
A2j	0.08 - 0.32 m	Yellowish brown (10YR5/4-Moist); ; Silty clay loam; Moderate grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , , ; Field pH 6 (Raupach, 0.3); Abrupt change to -
B21	0.32 - 0.46 m	Dark yellowish brown (10YR4/4-Moist); Mottles, 7.5YR5/8, 2-10% , 0-5mm, Faint; Mottles, 2-10% ; Medium clay; Strong grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Dry; Very firm consistence; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Soft segregations; , Calcareous, , , , Gypseous, , , ;
B22	0.46 - 0.9 m	Dark yellowish brown (10YR4/4-Moist); ; Medium heavy clay; Strong grade of structure, 2-5 mm, Subangular blocky; Smooth-ped fabric; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , , ; Field pH 8 (Raupach, 0.9);

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