

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 428 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M. DeCorte	Locality:	
Date Desc.:	23/09/91	Elevation:	330 metres
Map Ref.:	Sheet No. : 8156 GPS	Rainfall:	No Data
Northing/Long.:	7745982 AMG zone: 55	Runoff:	No runoff
Easting/Lat.:	416977 Datum: AGD66	Drainage:	Moderately well drained

Geology

ExposureType:	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:	Level
Slope:	1 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting, Cracking

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Sodic Eutrophic Grey Kandosol Thin Non-gravelly Clayey Clayey Deep		Principal Profile Form:	Ug3.2
ASC Confidence:		Great Soil Group:	Grey clay

All necessary analytical data are available.

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

Vegetation: Low Strata - Tussock grass, 0.51-1m, Sparse. *Species includes - Panicum species, Bothriochloa species
Mid Strata - Tree, 3.01-6m, Mid-dense. *Species includes - None recorded
Tall Strata - Tree, 6.01-12m, Very sparse. *Species includes - Eucalyptus brownii

Surface Coarse Fragments: 0-2%, coarse gravelly, 20-60mm, rounded, Igneous rock (unidentified)

Profile Morphology

A1	0 - 0.06 m	Dark brown (10YR3/3-Moist); ; Medium clay; Moderate grade of structure, 5-10 mm, Granular; Smooth-ped fabric; Dry; Very firm consistence; 2-10%, medium gravelly, 6-20mm, rounded, Metamorphic rock (unidentified), coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 5.5 (Raupach, 0.05); Abrupt change to -
A2j	0.06 - 0.2 m	Dark greyish brown (10YR4/2-Moist); ; Medium clay; Weak grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Dry; Strong consistence; 0-2%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , ; Clear change to -
B21	0.2 - 1.2 m	Dark greyish brown (10YR4/2-Moist); ; Medium clay; Massive grade of structure; Earthy fabric; Moderately moist; Very firm consistence; 0-2%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , ; Field pH 5.5 (Raupach, 0.9); Clear change to -
B22	1.2 - 1.5 m	Greyish brown (10YR5/2-Moist); ; Medium clay; Massive grade of structure; Earthy fabric; Moderately moist; Very firm consistence; , Calcareous, , , , Gypseous, , , ;

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