

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 538 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M.G. Cannon	Locality:	
Date Desc.:	19/06/91	Elevation:	No Data
Map Ref.:	Sheet No. : 8157 GPS	Rainfall:	No Data
Northing/Long.:	7785688 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	413888 Datum: AGD66	Drainage:	Imperfectly drained

Geology

Exposure Type:	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:	Level plain <9m <1%	Pattern Type:	Plain
Morph. Type:	Crest	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Level
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Haplic Mesotrophic Brown Kandosol Medium Non-gravelly Loamy Clay-loamy Shallow	Principal Profile Form:	Gn2.44
ASC Confidence:	Great Soil Group:	Yellow earth

Analytical data are incomplete but reasonable confidence.

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

Vegetation: Low Strata - Tussock grass, 0.51-1m, Mid-dense. *Species includes - Eragrostis species, Phynchelytrum repens,
Chrysopogon fallax Mid Strata - Tree, 3.01-6m, Isolated plants. *Species includes - Melaleuca nervosa, Acacia species, Erythroxylon australe

Tall Strata - Tree, 6.01-12m, Very sparse. *Species includes - Eucalyptus crebra, Eucalyptus polycarpa

Surface Coarse Fragments:

Profile Morphology

A11	0 - 0.04 m	Dark brown (10YR3/3-Moist); ; Sandy loam (Light); Massive grade of structure; Dry; Very weak consistence; , Calcareous, , , , Gypseous, , ; Clear change to -
A12	0.04 - 0.1 m	Dark yellowish brown (10YR3/4-Moist); ; Sandy loam; Massive grade of structure; Dry; Very weak consistence; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.05); Clear change
A2	0.1 - 0.2 m	Dark yellowish brown (10YR4/4-Moist); ; Sandy loam; Massive grade of structure; Dry; Very weak consistence; , Calcareous, , , , Gypseous, , ; Gradual change to -
B2c	0.2 - 0.4 m	Yellowish brown (10YR5/6-Moist); ; Sandy clay loam; Massive grade of structure; Dry; Very weak consistence; Very many (50 - 100 %), Ferruginous, Coarse (6 - 20 mm), Nodules; , Calcareous, , , , Gypseous, , ; Field pH 5.8 (Raupach, 0.4);
	0.4 - 0.5 m	; , Calcareous, , , , Gypseous, , ; Ferricrete, Uncemented, Continuous, Nodular;

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na Cmol (+)/kg	Acidity		%
0 - 0.04	6.5A								
0.2 - 0.4	5.6A		1.8J	1.3	0.2	0.3		2.9I	10.34

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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