

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 120 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M. DeCorte	Locality:	
Date Desc.:	24/08/90	Elevation:	460 metres
Map Ref.:	Sheet No. : 7959 GPS	Rainfall:	No Data
Northing/Long.:	7886864 AMG zone: 55	Runoff:	Very rapid
Easting/Lat.:	315314 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:	Rolling hills 90-300m 10-32%	Pattern Type:	Hills
Morph. Type:	Mid-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	Gently inclined
Slope:	7 %	Aspect:	270 degrees

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Haplic Mesotrophic Brown Kandosol Medium Moderately gravelly Sandy Clay-loamy Moderately deep		Principal Profile Form:	Gn2.23
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 - Hummock grass, 0.26-0.5m, Very sparse. *Species includes - Triodia mitchellii, Aristida species
Mid Strata - Tree, 1.01-3m, Sparse. *Species includes - Acacia species, Eucalyptus brownii, Petalostigma
pubescens

Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus brownii

Surface Coarse Fragments: 20-50%, coarse gravelly, 20-60mm, subrounded, Rock outcrop

Profile Morphology

A1	0 - 0.1 m	Yellowish brown (10YR5/6-Moist); ; Clayey sand; Massive grade of structure; Earthy fabric; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , , ; Field pH 6.5 (Raupach, 0.05); Few, very fine (0-1mm) roots; Gradual, Smooth change to -
B1	0.1 - 0.4 m	Yellowish brown (10YR5/8-Moist); ; Sandy loam (Heavy); Massive grade of structure; Earthy fabric; Dry; Strong consistence; , Calcareous, , , , Gypseous, , , ; Field pH 6.5 (Raupach, 0.3); Few, very fine (0-1mm) roots; Diffuse, Smooth change to -
B2	0.4 - 0.9 m	Strong brown (7.5YR5/8-Moist); ; Sandy clay loam (Heavy); Massive grade of structure; Earthy fabric; Dry; Strong consistence; 0-2%, fine gravelly, 2-6mm, subrounded, dispersed, Detrital sedimentary rock (unidentified), coarse fragments; , Calcareous, , , , Gypseous, , , ; Field pH 7 (Raupach, 0.6);

Morphological Notes

Observation Notes

Site Notes

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 120 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Laboratory Test Results:

Depth m	pH	1:5 EC dS/m	Ca	Exchangeable Mg	Cations K	Na Cmol (+)/kg	Exchangeable Acidity	CEC	ECEC	ESP %
0 - 0.1	6.4A		0.86B	1.7	0.19	0.04				
0.1 - 0.4	5.9A		0.7J	2.8	0.4	0.2		2.8I		7.14
0.4 - 0.9	6A		0.17B	3.2	0.21	0.2				

[illegible][illegible]

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD
Project Code: DLR **Site ID:** 120 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Laboratory Analyses Completed for this profile

10B	Extractable sulfur(mg/kg) - Phosphate extractable sulfur
15A2_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_K	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_MG	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_NA	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
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