

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 116 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By: M. DeCorte	Locality:
Date Desc.: 23/08/90	Elevation: 515 metres
Map Ref.: Sheet No. : 7860 GPS	Rainfall: No Data
Northing/Long.: 7899391 AMG zone: 55	Runoff: No runoff
Easting/Lat.: 272101 Datum: AGD66	Drainage: 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 rises 9-30m 1-3%	Pattern Type: Rises
Morph. Type: Mid-slope	Relief: No Data
Elem. Type: Hillslope	Slope Category: Very gently sloped
Slope: 2 %	Aspect: 330 degrees

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit: N/A
Haplic Eutrophic Red Chromosol Medium Non-gravelly Sandy Clayey Moderately deep	Principal Profile Form: Dr2.22
ASC Confidence:	Great Soil Group: Non-calcic brown soil
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, Sparse. *Species includes - Themeda triandra, Heteropogon contortus
 Mid Strata - Tree, 1.01-3m, Isolated plants. *Species includes - Acacia species, Albizia basaltica
 Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - Eucalyptus crebra, Eucalyptus papuana, Eucalyptus

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.1 m	Dark reddish brown (5YR3/2-Moist); ; Fine sandy loam; Massive grade of structure; Earthy fabric; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 5.8 (Raupach, 0.05); Common, very fine (0-1mm) roots; Gradual, Smooth change to -
A3	0.1 - 0.22 m	Dark reddish brown (5YR3/4-Moist); ; Sandy loam (Light); Weak grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , ; Common, very fine (0-1mm) roots; Clear, Smooth change to -
B1	0.22 - 0.35 m	Yellowish red (5YR4/6-Moist); ; Sandy loam (Light); Weak grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; Dry; Strong consistence; 0-2%, fine gravelly, 2-6mm, angular, dispersed, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , ; Few, fine (1-2mm) roots; Abrupt, Smooth change to -
B2	0.35 - 0.5 m	Red (2.5YR4/6-Moist); ; Medium heavy clay; Moderate grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Dry; Strong consistence; 2-10%, fine gravelly, 2-6mm, angular, dispersed, Quartz, coarse fragments; Many cutans, >50% of ped faces or walls coated, prominent; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.5); Few, fine (1-2mm) roots;

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:** 116 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

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 - 0.1	6.1A		5.3B	2.4	0.52	0.06			
0.35 - 0.5	5.8A		7.2J	4.8	0.4	0.2		15.11	1.32

[illegible][illegible]

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 116 **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 (Ca ²⁺ ,Mg ²⁺ ,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