

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 501 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By: M.G. Cannon	Locality:
Date Desc.: 08/04/91	Elevation: 300 metres
Map Ref.: Sheet No. : 8258 GPS	Rainfall: No Data
Northing/Long.: 7802659 AMG zone: 55	Runoff: Slow
Easting/Lat.: 458155 Datum: AGD66	Drainage: Well drained

Geology

Exposure Type: No Data	Conf. Sub. is Parent. Mat.: No Data
Geol. Ref.: No Data	Substrate Material: Undisturbed soil core, Granodiorite

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: 1.5 %	Aspect: 150 degrees

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit: N/A
Haplic Eutrophic Red Chromosol Medium Non-gravelly Loamy Clayey Moderately deep	Principal Profile Form: Dr2.22
ASC Confidence:	Great Soil Group: Non-calcic brown soil
All necessary analytical data are available.	

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

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Mid-dense. *Species includes - Bothriochloa pertusa, Eragrostis species

Mid Strata - Tree, 6.01-12m, Very sparse. *Species includes - Eucalyptus erythrophloia, Eucalyptus crebra, Eucalyptus papuana

Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - Eucalyptus crebra, Eucalyptus erythrophloia, Eucalyptus

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.1 m	Dark brown (7.5YR3/2-Moist); ; Sandy loam (Heavy); Weak grade of structure, 5-10 mm, Subangular blocky; Earthy fabric; Moderately moist; Weak consistence; , Calcareous, , , Gypseous, , ; Field pH 6 (Raupach, 0.05); Few, very fine (0-1mm) roots; Gradual, Smooth change to -
A3	0.1 - 0.2 m	Brown (7.5YR4/3-Moist); ; Coarse sandy loam; Weak grade of structure, 5-10 mm, Subangular blocky; Earthy fabric; Moderately moist; Weak consistence; , Calcareous, , , Gypseous, , ; Few, very fine (0-1mm) roots; Clear, Smooth change to -
B2	0.2 - 0.55 m	Red (10R4/8-Moist); ; Medium clay; Moderate grade of structure, 20-50 mm, Prismatic; Strong grade of structure, 5-10 mm, Angular blocky; Smooth-ped fabric; Moderately moist; Very firm consistence; , Calcareous, , , Gypseous, , ; Field pH 5.8 (Raupach, 0.3); Few, medium (2-5mm) roots; Abrupt, Smooth change to -
BC	0.55 - 0.8 m	Red (2.5YR4/8-Moist); ; Clay loam, sandy; Weak grade of structure, 5-10 mm, Angular blocky; Smooth-ped fabric; Moderately moist; Firm consistence; , Calcareous, , , Gypseous, , ; Field pH 6.5 (Raupach, 0.6); Few, very fine (0-1mm) roots; Sharp, Smooth change to -
C	0.8 - 0.9 m	; Weak grade of structure, 5-10 mm, Subangular blocky; Earthy fabric; Moderately moist; Firm consistence; , Calcareous, , , Gypseous, , ; Field pH 7.5 (Raupach, 0.9);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

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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