

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 516 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M.G. Cannon	Locality:	
Date Desc.:	10/04/91	Elevation:	300 metres
Map Ref.:	Sheet No. : 8158 GPS	Rainfall:	No Data
Northing/Long.:	7799608 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	433909 Datum: AGD66	Drainage:	Moderately well drained

Geology

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

Land Form

Rel/Slope Class:	Gently undulating rises 9-30m 1-3%	Pattern Type:	Rises
Morph. Type:	Upper-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	Level
Slope:	1 %	Aspect:	190 degrees

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Sodic Eutrophic Red Chromosol Medium Non-gravelly Loamy 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, Mid-dense. *Species includes - Phynchelytrum repens, Heteropogon
contortus,
 Themeda triandra Mid Strata - Tree, 6.01-12m, Very sparse. *Species includes - Eucalyptus
erythrophloia, Eucalyptus papuana, Eucalyptus
 crebra
 Tall Strata - Tree, 12.01-20m, Very sparse. *Species includes - Eucalyptus crebra, Eucalyptus papuana,
Eucalyptus
 erythrophloia

Surface Coarse Fragments:

Profile Morphology

A11	0 - 0.08 m	Dark brown (7.5YR3/4-Moist); ; Coarse sandy loam (Light); Weak grade of structure, 10-20 mm, Subangular blocky; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.05); Few, very fine (0-1mm) roots; Clear, Smooth change to -
A2	0.08 - 0.2 m	Dark reddish brown (5YR3/4-Moist); ; Sandy loam (Light); Weak grade of structure, 10-20 mm, Subangular blocky; , Calcareous, , , , Gypseous, , ; Few, very fine (0-1mm) roots; Clear, Smooth change to -
B1	0.2 - 0.3 m	Yellowish red (5YR4/6-Moist); ; Sandy light clay; Moderate grade of structure, 5-10 mm, Subangular blocky; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 0.3); Clear, Smooth change to -
B2	0.3 - 0.85 m	Yellowish red (5YR5/6-Moist); ; Light medium clay; Strong grade of structure, 5-10 mm, Angular blocky; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 0.6); Diffuse, Smooth change to -
BC	0.85 - 1 m	Yellowish red (5YR5/8-Moist); ; Medium heavy clay; Moderate grade of structure, 5-10 mm, Subangular blocky; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 0.9); Clear, Wavy change to -
C	1 - 1.2 m	; Massive grade of structure; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 1.15);

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