

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 517 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M.G. Cannon	Locality:	
Date Desc.:	11/04/91	Elevation:	250 metres
Map Ref.:	Sheet No. : 8257 GPS	Rainfall:	No Data
Northing/Long.:	7773014 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	486497 Datum: AGD66	Drainage:	Moderately 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:	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:	250 degrees

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Haplic Eutrophic Red Chromosol Thin Non-gravelly Loamy Clayey Moderately deep	Principal Profile Form:	Dr2.12
ASC Confidence:	Great Soil Group:	Non-calcic brown soil
All necessary analytical data are available.		

Site Disturbance: Extensive clearing, for example poisoning, ringbarking

Vegetation: Low Strata - Tussock grass, 0.51-1m, Mid-dense. *Species includes - Bothriochloa pertusa
Mid Strata - Tree, 6.01-12m, Isolated plants. *Species includes - Eucalyptus erythrophloia, Erythroxylon australe
Tall Strata - Tree, 12.01-20m, Isolated plants. *Species includes - Eucalyptus erythrophloia, Eucalyptus crebra

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.08 m	Brown (7.5YR4/3-Moist); ; Coarse sandy loam (Light); Massive grade of structure; Earthy fabric; Dry; Weak consistence; , Calcareous, , , , Gypseous, , , ; Field pH 6 (Raupach, 0.05); Few, very fine (0-1mm) roots; Clear, Smooth change to -
B1	0.08 - 0.18 m	Reddish brown (5YR4/4-Moist); ; Clay loam, sandy; Weak grade of structure, 5-10 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Strong consistence; , Calcareous, , , , Gypseous, , , ; Few, very fine (0-1mm) roots; Clear, Smooth change to -
B2	0.18 - 0.58 m	Red (2.5YR4/6-Moist); ; Medium clay; Strong grade of structure, 2-5 mm, Angular blocky; Smooth-ped fabric; Moderately moist; Strong consistence; , Calcareous, , , , Gypseous, , , ; Field pH 6 (Raupach, 0.3); , very fine (0-1mm) roots; Gradual, Smooth change to -
BC	0.58 - 0.8 m	Red (2.5YR4/6-Moist); ; Weak grade of structure, 5-10 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Very firm consistence; 2-10%, fine gravelly, 2-6mm, subangular tabular, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , ; Field pH 6 (Raupach, 0.6); , very fine (0-1mm) roots; Gradual, Wavy change to -
C	0.8 - 1 m	; Weak grade of structure, 5-10 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Weak consistence; 2-10%, fine gravelly, 2-6mm, subangular tabular, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , ; Field pH 7 (Raupach, 1);

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