

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 229 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M. DeCorte	Locality:	
Date Desc.:	05/06/91	Elevation:	210 metres
Map Ref.:	Sheet No. : 8257 GPS	Rainfall:	No Data
Northing/Long.:	7761946 AMG zone: 55	Runoff:	Rapid
Easting/Lat.:	484511 Datum: AGD66	Drainage:	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:	Undulating rises 9-30m 3-10%	Pattern Type:	Rises
Morph. Type:	Upper-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	Gently inclined
Slope:	3 %	Aspect:	160 degrees

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Haplic Eutrophic Red Chromosol Thin Slightly gravelly Clay-loamy Clayey Shallow	Principal Profile Form:	Dr2.12

ASC Confidence:	Great Soil Group:	Non-calciic 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, Sparse. *Species includes - Bothriochloa pertusa
Mid Strata - , , , *Species includes - None recorded
Tall Strata - Tree, 3.01-6m, Sparse. *Species includes - Eucalyptus erythrophloia, Eucalyptus papuana

Surface Coarse Fragments: 2-10%, medium gravelly, 6-20mm, angular, Granodiorite

Profile Morphology

A1	0 - 0.08 m	Dark brown (7.5YR3/4-Moist); ; Sandy clay loam (Light); Weak grade of structure, 5-10 mm, Granular; Smooth-ped fabric; Many (>5 per 100mm2) Fine (1-2mm) macropores, Dry; Weak consistence; 0-2%, coarse gravelly, 20-60mm, angular, dispersed, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.05); Common, fine (1-2mm) roots; Clear, Smooth change to -
B21	0.08 - 0.38 m	Red (2.5YR4/6-Moist); ; Light clay; Strong grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Common (1-5 per 100mm2) Fine (1-2mm) macropores, Dry; Firm consistence; Many cutans, >50% of ped faces or walls coated, prominent; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.3); Few, very fine (0-1mm) roots; Gradual, Smooth change to -
B/C	0.38 - 0.75 m	Yellowish red (5YR4/6-Moist); Substrate influence, 10YR82, 10-20% , 0-5mm, Prominent; Substrate influence, 10-20% ; Clay loam (Light); Moderate grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Many (>5 per 100mm2) Fine (1-2mm) macropores, Dry; Firm consistence; 20-50%, fine gravelly, 2-6mm, angular, dispersed, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach, 0.6);

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