

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 261 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M. DeCorte	Locality:	
Date Desc.:	19/06/91	Elevation:	270 metres
Map Ref.:	Sheet No. : 8157 GPS	Rainfall:	No Data
Northing/Long.:	7781861 AMG zone: 55	Runoff:	Very slow
Easting/Lat.:	432062 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, Granulite

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:	3 %	Aspect:	180 degrees

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Haplic Eutrophic Brown Chromosol Medium Slightly gravelly	Principal Profile Form:	Dy2.12
Sandy Clayey Moderately deep		
ASC Confidence:	Great Soil Group:	No suitable

All necessary analytical data are available.

Site Disturbance: Complete clearing. Pasture, native or improved, cultivated at some stage

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Sparse. *Species includes - None recorded
Mid Strata - , , . *Species includes - None recorded
Tall Strata - , , . *Species includes - None Recorded

Surface Coarse Fragments: 2-10%, fine gravelly, 2-6mm, angular, Quartz

Profile Morphology

A1j	0 - 0.11 m	Very dark greyish brown (10YR3/2-Moist); ; Loamy sand; Massive grade of structure; Earthy fabric; Dry; Firm consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.05); Few, very fine (0-1mm) roots; Abrupt, Smooth change to -
B1	0.11 - 0.3 m	Yellowish brown (10YR5/6-Moist); Mottles, 7.5YR58, 2-10% , 5-15mm, Faint; Mottles, 2-10% ; Light clay; Weak grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Dry; Firm consistence; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.3); Few, very fine (0-1mm) roots; Clear, Smooth change to -
B2	0.3 - 0.6 m	Yellowish brown (10YR5/8-Moist); Mottles, 7.5YR58, 2-10% , 5-15mm, Faint; Mottles, 2-10% ; Light clay; Weak grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Firm consistence; Few cutans, <10% of ped faces or walls coated, faint; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 0.6); Clear, Smooth change to -
B/C	0.6 - 0.72 m	Substrate influence, 10-20% , 5-15mm, Distinct; Substrate influence, 10-20% ; Light clay; Weak grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Firm consistence; 2-10%, medium gravelly, 6-20mm, angular, dispersed, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , ; Clear, Smooth change to -
C	0.72 - 0.85 m	; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 0.8);

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