

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 280 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M. DeCorte	Locality:	
Date Desc.:	20/06/91	Elevation:	320 metres
Map Ref.:	Sheet No. : 8257 GPS	Rainfall:	No Data
Northing/Long.:	7754658 AMG zone: 55	Runoff:	Very slow
Easting/Lat.:	451515 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, Gabbro

Land Form

Rel/Slope Class:	Undulating rises 9-30m 3-10%	Pattern Type:	Rises
Morph. Type:	Lower-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	Gently inclined
Slope:	4 %	Aspect:	290 degrees

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Haplic Eutrophic Red Chromosol Medium Non-gravelly Loamy Clayey Moderately deep	Principal Profile Form:	Dr2.13
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, 0.51-1m, Mid-dense. *Species includes - Heteropogon contortus, Bothriochloa pertusa,
Bothriochloa decipiens Mid Strata - Tree, 1.01-3m, Very sparse. *Species includes - Eucalyptus erythrophloia

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

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.02 m	Very dark brown (10YR2/2-Moist); ; Loam; Massive grade of structure; Earthy fabric; Many (>5 per 100mm2) Medium (2-5mm) macropores, Dry; Very weak consistence; , Calcareous, , ; , Gypseous, , ; Common, fine (1-2mm) roots; Clear, Smooth change to -
A12	0.02 - 0.12 m	Dark brown (7.5YR3/2-Moist); ; Loamy fine sand (Heavy); Massive grade of structure; Earthy fabric; Many (>5 per 100mm2) Medium (2-5mm) macropores, Dry; Weak consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.05); Common, fine (1-2mm) roots; Gradual, Smooth change to -
B1	0.12 - 0.28 m	Dark reddish brown (5YR3/4-Moist); ; Sandy clay loam; Weak grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Many (>5 per 100mm2) Fine (1-2mm) macropores, Moderately moist; Weak consistence; , Calcareous, , ; , Gypseous, , ; Common, very fine (0-1mm) roots; Clear, Smooth change to -
B21	0.28 - 0.65 m	Reddish brown (5YR4/4-Moist); ; Medium clay (Heavy); Moderate grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Many (>5 per 100mm2) Fine (1-2mm) macropores, Moderately moist; Very firm consistence; Many cutans, >50% of ped faces or walls coated, distinct; , Calcareous, , ; , Gypseous, , ; Field pH 8.5 (Raupach, 0.6); Common, very fine (0-1mm) roots; Abrupt, Smooth change to -
C	0.65 - 0.7 m	; , Calcareous, , ; , Gypseous, , ;

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na Cmol (+)/kg	Acidity		%
0.02 - 0.12	6.5A								
0.28 - 0.65	7.5A		13.3J	5.9	0.1	0.3		15.5I	1.94

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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