

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 885 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M.G. Cannon	Locality:	
Date Desc.:	19/11/91	Elevation:	180 metres
Map Ref.:	Sheet No. : 8256 GPS	Rainfall:	No Data
Northing/Long.:	7703684 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	460300 Datum: AGD66	Drainage:	No Data

Geology

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

Land Form

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

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Eutrophic Hypernatric Brown Sodosol Medium Slightly gravelly Clay-loamy Clayey Moderately deep	Principal Profile Form:	Dy2.13
ASC Confidence:	Great Soil Group:	Solodic soil

All necessary analytical data are available.

Site Disturbance: No effective disturbance other than grazing by hoofed animals

Vegetation: Low Strata - Tussock grass, <0.25m, Mid-dense. *Species includes - None recorded
Mid Strata - Tree, 1.01-3m, Sparse. *Species includes - Eucalyptus thozetiana
Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus thozetiana, Eucalyptus brownii

Surface Coarse Fragments: 2-10%, cobbly, 60-200mm, subrounded, Serpentinite

Profile Morphology

A1	0 - 0.1 m	Brown (10YR4/3-Moist); ; Sandy clay loam (Light); Massive grade of structure; Earthy fabric; Moderately moist; Weak consistence; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.05);
B21	0.1 - 0.2 m	Brown (10YR4/3-Moist); ; Light medium clay; Moderate grade of structure, 5-10 mm, Prismatic; Smooth-ped fabric; Moderately moist; Strong consistence; , Calcareous, , , , Gypseous, , ; Field pH 9.5 (Raupach, 0.15);
B22	0.2 - 0.7 m	Yellowish brown (10YR5/4-Moist); ; Medium heavy clay; Strong grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Very strong consistence; 2-10%, medium gravelly, 6-20mm, subangular platy, dispersed, Siltstone, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 9.5 (Raupach, 0.3);
C	0.7 - 0.8 m	; , Calcareous, , , , Gypseous, , ; Field pH 9.5 (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