

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 510 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M.G. Cannon	Locality:	
Date Desc.:	09/04/90	Elevation:	280 metres
Map Ref.:	Sheet No. : 8158 GPS	Rainfall:	No Data
Northing/Long.:	7820803 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	437644 Datum: AGD66	Drainage:	Imperfectly drained

Geology

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

Land Form

Rel/Slope Class:	Gently undulating rises 9-30m 1-3%	Pattern Type:	Rises
Morph. Type:	Upper-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	Very gently sloped
Slope:	3 %	Aspect:	160 degrees

Surface Soil Condition (dry): Cracking, Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Haplic Eutrophic Brown Dermosol Medium Non-gravelly Clayey Clayey Shallow	Principal Profile Form:	Ug5.37
ASC Confidence:	Great Soil Group:	No suitable

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 ewartiana Mid Strata - Tree, 6.01-12m, Very sparse. *Species includes - Eucalyptus
erythrophloia, Eucalyptus papuana

Tall Strata - Tree, 12.01-20m, Very sparse. *Species includes - Eucalyptus crebra, Eucalyptus papuana

Surface Coarse Fragments:

Profile Morphology

A	0 - 0.12 m	Very dark grey (7.5YR3/1-Moist); ; Light clay; Moderate grade of structure, 5-10 mm, Angular blocky; Smooth-ped fabric; Moderately moist; Very firm consistence; Field pH 7 (Raupach, 0.05); Sharp, Smooth change to -
B2	0.12 - 0.3 m	Reddish brown (2.5YR4/4-Moist); ; Medium clay; Strong grade of structure, 5-10 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Strong consistence; 20-50%, cobbly, 60-200mm, angular platy, stratified, Metamorphic rock (unidentified), coarse fragments; Many (20 - 50 %), Calcareous, Medium (2 -6 mm), Concretions; , Gypseous, , ; Soil matrix is Highly calcareous; Field pH 7.5 (Raupach, 0.3); Sharp, Smooth change to -
BC	0.3 - 0.6 m	Reddish brown (2.5YR5/4-Moist); ; Light medium clay; Moderate grade of structure, Subangular blocky; Moderately moist; Firm consistence; Many (20 - 50 %), Calcareous, Coarse (6 - 20 mm), Concretions; , Gypseous, , ; Soil matrix is Highly calcareous; Field pH 8.5 (Raupach, 0.6); Sharp, Irregular change to -
C	0.6 - 0.65 m	; , Calcareous, , , , Gypseous, , ,

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