

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 880 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M.G. Cannon	Locality:	
Date Desc.:	08/11/91	Elevation:	No Data
Map Ref.:	Sheet No. : 8256 GPS	Rainfall:	No Data
Northing/Long.:	7723482 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	477824 Datum: AGD66	Drainage:	No Data

Geology

Exposure Type:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	No Data

Land Form

Rel/Slope Class:	Gently undulating rises 9-30m 1-3%	Pattern Type:	Rises
Morph. Type:	Simple-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	Gently inclined
Slope:	3 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Sodic Eutrophic Brown Chromosol Medium Non-gravelly Clay-loamy Clayey Deep	Principal Profile Form:	Dy3.53
ASC Confidence:	Great Soil Group:	No suitable

No analytical data are available but confidence is fair.

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

Vegetation: Low Strata - Tussock grass, 0.51-1m, Sparse. *Species includes - Aristida species
Mid Strata - , , . *Species includes - None recorded
Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - Eucalyptus brownii

Surface Coarse Fragments: 0-2%, medium gravelly, 6-20mm, angular, Quartz

Profile Morphology

A11	0 - 0.1 m	Dark greyish brown (10YR4/2-Moist); ; Clay loam, coarse sandy; Massive grade of structure; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.05); Clear change to -
A12	0.1 - 0.15 m	Brown (10YR4/3-Moist); ; Clay loam, coarse sandy (Heavy); Massive grade of structure; , Calcareous, , , , Gypseous, , , Clear change to -
B21	0.15 - 0.45 m	Yellowish brown (10YR5/8-Moist); ; Medium clay; Weak grade of structure, 10-20 mm, Subangular blocky; , Calcareous, , , , Gypseous, , , Field pH 9 (Raupach, 0.3); Clear change to -
B22	0.45 - 0.9 m	Yellowish brown (10YR5/8-Moist); Mottles, 2.5YR4/8, 10-20% , 5-15mm, Distinct; Mottles, 10-20% ; Light medium clay; Weak grade of structure, 10-20 mm, Subangular blocky; Common (10 - 20 %), Manganiferous, Medium (2 -6 mm), Veins; , Calcareous, , , , Gypseous, , , Field pH 8.5 (Raupach, 0.6); Gradual change to -
B3	0.9 - 1.5 m	Dark red (2.5YR3/6-Moist); Mottles, 10YR6/6, 2-10% , 0-5mm, Prominent; Mottles, 2-10% ; Light medium clay; Weak grade of structure, 10-20 mm, Subangular blocky; 2-10%, medium gravelly, 6-20mm, angular, dispersed, Metamorphic rock (unidentified), coarse fragments; Common (10 - 20 %), Manganiferous, Medium (2 -6 mm), Veins; , Calcareous, , , , Gypseous, , , Field pH 8 (Raupach, 1.3);

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