

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 727 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M.G. Cannon	Locality:	
Date Desc.:	14/08/91	Elevation:	290 metres
Map Ref.:	Sheet No. : 8158 GPS	Rainfall:	No Data
Northing/Long.:	7805134 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	399395 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:	Level plain <9m <1%	Pattern Type:	Plain
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Level
Slope:	1 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting, Cracking

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Haplic Crusty Grey Vertosol Slightly gravelly Medium fine Medium fine Very deep	Principal Profile Form:	Ug5.28
ASC Confidence:	Great Soil Group:	Grey clay

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, 0.26-0.5m, Sparse. *Species includes - Echinochloa species, Heteropogon contortus,

Bothriochloa ewartiana Mid Strata - Tree, 3.01-6m, Sparse. *Species includes - Eucalyptus brownii

Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus brownii

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.02 m	Dark grey (10YR4/1-Moist); ; Medium heavy clay; Weak grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Dry; Weak consistence; 2-10%, rounded, dispersed, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , ; Clear change to -
A12	0.02 - 0.2 m	Weak red (2.5YR4/1-Moist); ; Medium heavy clay; Moderate grade of structure, 20-50 mm, Angular blocky; Moderate grade of structure, 5-10 mm, Angular blocky; Smooth-ped fabric; Dry; Very strong consistence; 2-10%, rounded, dispersed, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.05); Diffuse change to -
B21	0.2 - 0.5 m	Weak red (2.5YR4/1-Moist); ; Medium heavy clay; Moderate grade of structure, 100-200 mm, Lenticular; Moderate grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Very strong consistence; 0-2%, rounded, dispersed, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 9.5 (Raupach, 0.3); Diffuse change to -
B22k	0.5 - 1.15 m	Weak red (2.5YR4/1-Moist); ; Medium heavy clay; Strong grade of structure, 100-200 mm, Lenticular; Smooth-ped fabric; Moderately moist; Very strong consistence; 0-2%, rounded, dispersed, Quartz, coarse fragments; Very few (0 - 2 %), Calcareous, Fine (0 - 2 mm), Concretions; , Gypseous, , ; Field pH 9.5 (Raupach, 0.9); Diffuse change to -
B23	1.15 - 1.5 m	Weak red (2.5YR5/2-Moist); ; Medium heavy clay; Strong grade of structure, 100-200 mm, Lenticular; Smooth-ped fabric; Moderately moist; Very strong consistence; 0-2%, rounded, dispersed, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 9.5 (Raupach, 1.2);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

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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