

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1108 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	08/05/92	Elevation:	340 metres
Map Ref.:	Sheet No. : 8058 GPS	Rainfall:	No Data
Northing/Long.:	7823840 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	364777 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): Cracking, Self-mulching

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Endocalcareous Self-Mulching Grey Vertosol Slightly gravelly	Principal Profile Form:	Ug5.16
Medium fine Very fine Very deep	Great Soil Group:	Black earth

ASC Confidence:

No analytical data are available but confidence is fair.

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

Vegetation: Low Strata - , , . *Species includes - Dichanthium sericeum, Eulalia aurea, Chrysopogon fallax
Mid Strata - , , . *Species includes - None recorded
Tall Strata - Tree, 3.01-6m, Isolated plants. *Species includes - Eucalyptus erythrophloia

Surface Coarse Fragments: 2-10%, fine gravelly, 2-6mm, subrounded, Quartz

Profile Morphology

A1	0 - 0.06 m	Dark grey (5YR4/1-Moist); ; Medium clay (Light); Moderate grade of structure, 10-20 mm, Granular; 2-10%, fine gravelly, 2-6mm, subrounded, dispersed, Quartz, coarse fragments; ; Calcareous, , , ; Gypseous, , ; Soil matrix is Slightly calcareous; Field pH 6.5 (Raupach, 0.05);
B21	0.06 - 0.4 m	Dark grey (5YR4/1-Moist); ; Medium clay (Heavy); Moderate grade of structure, Subangular blocky; Smooth-ped fabric; 2-10%, fine gravelly, 2-6mm, subrounded, dispersed, Quartz, coarse fragments; ; Calcareous, , , ; Gypseous, , ; Field pH 6.5 (Raupach, 0.3);
B22	0.4 - 1.1 m	Dark reddish grey (5YR4/2-Moist); ; Medium heavy clay; Strong grade of structure, Lenticular; Smooth-ped fabric; 2-10%, fine gravelly, 2-6mm, subrounded, dispersed, Quartz, coarse fragments; Common cutans, 10-50% of ped faces or walls coated, distinct; ; Calcareous, , , ; Gypseous, , ; Field pH 8 (Raupach, 1);
B23	1.1 - 1.6 m	Weak red (2.5YR4/2-Moist); Mottles, 2-10% , 5-15mm, Distinct; Mottles, 2-10% ; Medium heavy clay; Moderate grade of structure, Polyhedral; Smooth-ped fabric; ; Calcareous, , , ; Gypseous, , ; Soil matrix is Slightly calcareous; Field pH 8.5 (Raupach, 1.5);
B24	1.6 - 1.9 m	Reddish brown (2.5YR5/4-Moist); ; Medium clay; Moderate grade of structure, 5-10 mm, Polyhedral; Few (2 - 10 %), Calcareous, Fine (0 - 2 mm), Soft segregations; ; Gypseous, , , ; Soil matrix is Moderately calcareous; Field pH 8.5 (Raupach, 1.9);

Morphological Notes

Observation Notes

Site Notes

Laboratory Test Results:

[illegible]

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Laboratory Analyses Completed for this profile

4A1 pH of 1:5 soil/water suspension